BABU BANARASI DAS
INSTITUTE OF TECHNOLOGY & MANAGEMENT
LUCKNOW

Affiliated to Dr. A P J Abdul Kalam Technical University, Lucknow
(AKTU College Code - 054)
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NATIONAL BOARD ACCREDITATION
B. Tech. - CSE, IT & ECE

RESEARCH AND DEVELOPMENT CELL
COMMITTEE

2022-2023 TO 2026-2027



BABU BANARASI DAS INSTITUTE OF TECHNOLOGY & MANAGEMENT, LUCKNOW

RESEARCH AND DEVELOPMENT CELL COMMITTEE

INDEX | Academic sessions 2022-23 to 2026-27

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RESEARCH AND DEVELOPMENT CELL COMMITTEE

INSTITUTE VISION & MISSION

VISION

To become a leading institute of providing professionally competent and socially responsive technocrats with high moral values.

MISSION

1. To create an eco-system for the dissemination of technical knowledge, to achieve academic excellence.
2. To develop technocrats with creative skills and leadership qualities, to solve local and global challenges.
3. To impart human values and ethics in students, to make them socially and eco-friendly responsible.



BABU BANARASI DAS INSTITUTE OF TECHNOLOGY & MANAGEMENT, LUCKNOW

ABOUT THE RESEARCH AND DEVELOPMENT CELL COMMITTEE

02

Institutional research, innovation and scholarly development

The Research and Development Cell Committee supports the planning, coordination and documentation of institutional research activities. Its focus is to strengthen a research culture across departments through quality publications, patents and designs, funded and seed-money projects, books and book chapters, consultancy, research training, professional development and interdisciplinary collaboration.

Research Culture	Research engagement across departments
Innovation & IPR	Patents, designs and translation of outcomes
Funding & Collaboration	Proposals, projects and external linkages



Prof. (Dr.) Manuj Darbari
Convener, R&D Cell Committee



R&D CELL COMMITTEE MEETING - Research review, documentation and coordination



Quarterly Research Progress Report
Structured department-wise research progress reporting



R&D Notice
Departmental research targets and periodic reporting framework

OBJECTIVES & FUNCTIONS

CORE OBJECTIVES

1. Create zeal amongst students and faculty members towards research and innovation.
2. Promote project laboratories and monitor the progress of research and development activities.
3. Work closely with industrial needs to support new or improved products, processes, systems and services.
4. Foster collaborations with universities, public and private sectors and R&D organizations.
5. Promote research across departments and encourage participation in national and international conferences.
6. Guide the preparation and submission of research proposals to funding agencies.
7. Ensure ethical research practices, plagiarism awareness and quality documentation.
8. Maintain records of publications, patents, funded projects and other research outcomes.

KEY FUNCTIONS

Research planning | Proposal facilitation | Publications and patents | Project monitoring | Consultancy | Professional development | Institutional collaborations | Research ethics | Records and evidence management | Periodic review and reporting

CURRENT RESEARCH AND DEVELOPMENT CELL COMMITTEE

Constitution for Academic Session 2026-2027

OFFICE ORDER REFERENCE	DATE
BBDITM/2026-27/014	**07-08-2026**

S. No.	Name	Role
1	**Dr. Manuj Darbari**	Incharge
2	**Dr. Diwakar Yagyasen**	Incharge
3	Dr. Usha Sharma	Member
4	Dr. Kamal Nath Tripathi	Member
5	Dr. Apoorva Srivastava	Member
6	Dr. Shailja Pandey	Member
7	Dr. Roopali Agarwal	Member
8	Dr. Abhimanyu Yadav	Member
9	Dr. Ashish Tiwari	Member
10	Dr. Neha Gupta	Member
11	Ms. Poonam Singh	Member



R&D CELL REVIEW MEETING - Institutional research records and departmental coordination

R&D POLICY

Research & Development Policy | Version 2.0

POLICY FOCUS

1. Strengthen institutional capacity for strategic, technical and operational planning of research activities.
2. Encourage faculty publications in reputed refereed and indexed journals.
3. Encourage research proposals for funding from national and international agencies.
4. Promote collaborative research with reputed institutions and organizations.
5. Support consultancy, innovation, patent activity and research-oriented professional participation.
6. Provide a structured framework for review, evidence, incentives and institutional research support.

OFFICIAL R&D POLICY

Institutional policy reference

Read the complete R&D Policy Version 2.0 (2025)

R&D POLICIES

POLICY 1.0

Earlier framework | Finalized 04 February 2020

Policy 1.0 established the framework for research support, conference participation, publications, patents, funded projects, consultancy and training. It stated financial limits within the policy and defined eligibility, evidence and approval procedures.

POLICY 2.0

Revised policy | Reviewed 18 March 2025

Policy 2.0 retains the research-support framework and refers scheme-wise financial provisions to Annexure A. It also explicitly covers seed money for student and faculty projects and approved departmental FDP/STTP activities, subject to the stated eligibility and approval process.

Annexure A - brief scope

Annexure A-I to A-VIII covers conferences, training, consultancy, publications, patents, funded proposals, seed money/institutional research grants and FDP/STTP/workshops. Applicable limits and conditions are set out in the Annexure.

Full policy documents and detailed provisions are available through the references below.

Official Version 1.0 PDF **Official Version 2.0 PDF (2025)** **Institutional Policies**

Sources: BBDITM Research Policy Versions 1.0 and 2.0; supplied Annexure A.

Publications, patents and books - consolidated summary

PUBLICATIONS

358 Research journals and conferences

SCI	35	Scopus	52
Refereed / Peer-reviewed	219	Conference	45
UGC-CARE	4	Cross-indexed / Other	3

SCI breakup: SCI 30 + Web of Science 5 = 35

Cross-indexed / Other: SCI/Scopus 1; ESCI/Scopus 1; Other 1

PATENTS / DESIGNS

80

76 Patents + 4 Designs

BOOKS / CHAPTERS

55

16 Books + 39 Chapters

ALL R&D RECORDS: 1,567

FDP / Training: 417 NPTEL / MOOCs: 240

Projects / Seed Money: 399 Achievements: 18

Projects: consolidated count; 79 detailed register entries.

DEPARTMENT-WISE RECORDS

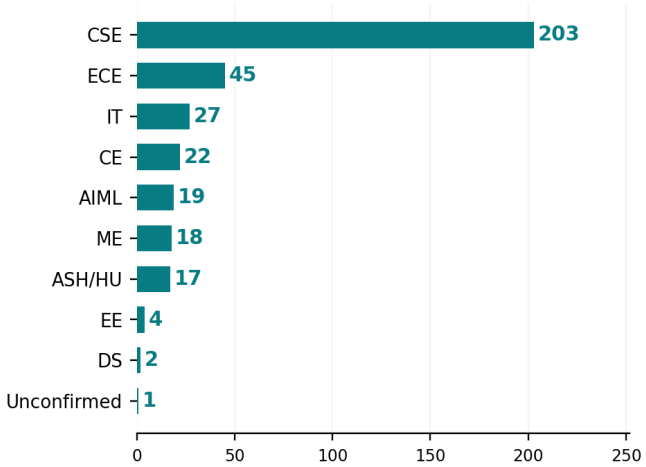
Department	Publications	Patents / IPR	Books / Ch.
CSE	203	21	39
ECE	45	8	1
IT	27	4	5
CE	22	4	0
AIML	19	6	2
ME	18	22	2
ASH/HU	17	7	0
EE	4	6	2
DS	2	2	0
CSE / IT	0	0	2
AIML / EE	0	0	1
ASH/HU / CSE	0	0	1
To be confirmed	1	0	0
TOTAL	**358**	**80**	**55**

Joint department labels are retained as recorded.

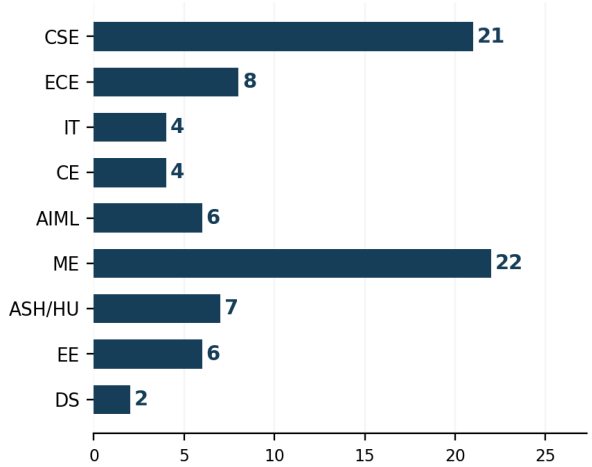
Pending department classification: 1 publication.

Research publications, patents and books - charts

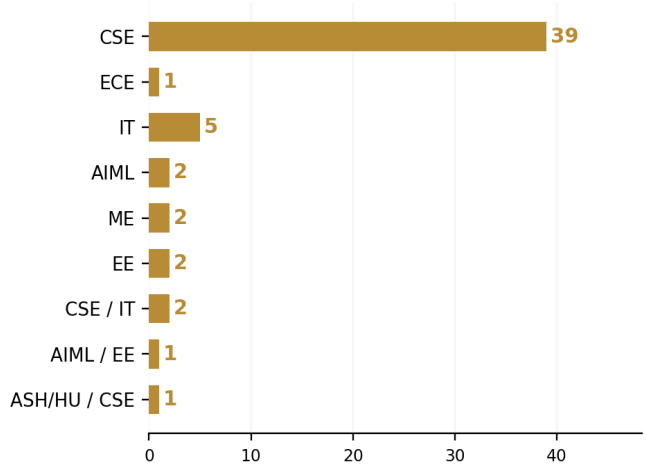
Publications by department - 358



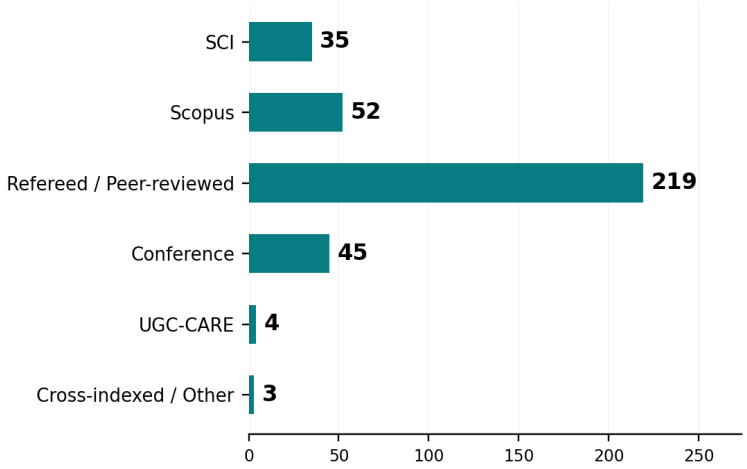
Patents / designs by department - 80



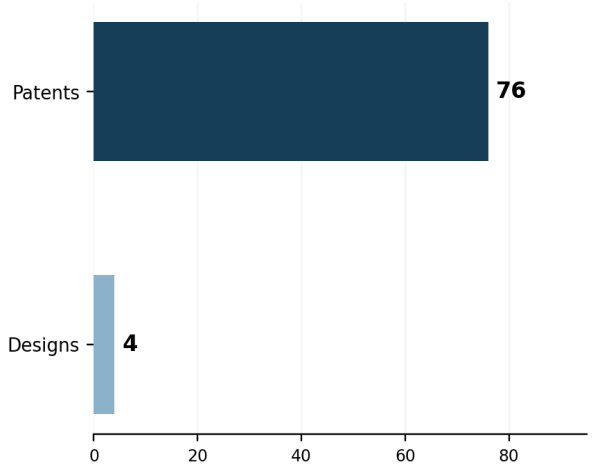
Books / chapters by department - 55



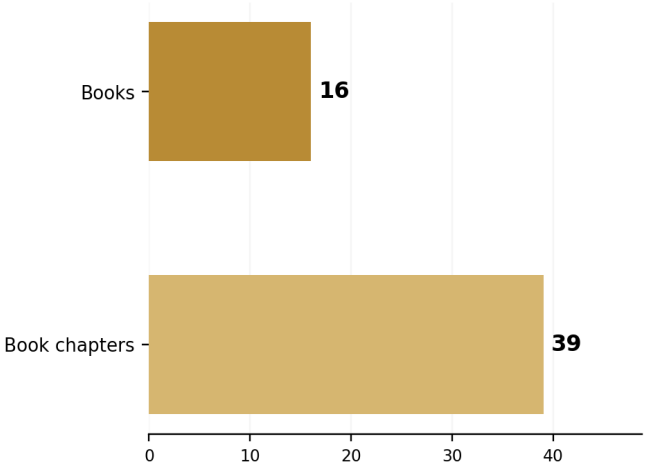
Publication classification - 358



Intellectual property - 80



Scholarly books - 55



SCI breakup: SCI 30 + Web of Science 5 = 35; Web of Science is included within SCI.

CURRENT SCHOLARLY UPDATES - status entries retained within the institutional publication section; verified consolidated publication count remains 358.

Session	Dept.	Status	Title	Authors	Venue / ID	Current Status	Source
2026-27	CSE	ACCEPTED	FAMIR: Fuzzy Adaptive Multi-Expert Image Retrieval under Domain Shift and Adverse Visual Conditions	Poonam Singh; Pooja Khanna; C. L. P. Gupta; Prem Shanker Yadav	ICACECT-2027 | Manuscript 391	Accepted for presentation	OPEN SOURCE
2026-27	CSE	ACCEPTED	Convex-Hull Guided Image Retrieval under Domain Shift and Adverse Visual Conditions: Bridging Classical Geometry with Vision Foundation Models	Poonam Singh; Pooja Khanna; C. L. P. Gupta; Prem Shanker Yadav	ISDDC-2026 | Paper 812	Accepted | Oral presentation	OPEN SOURCE
2026-27	CSE	ACCEPTED	A Review of Data-Driven Approaches for Comorbidity Prediction: From Machine Learning Models to Cloud-Based Systems	Chandan Kumar; Karthika M; R. Sabitha; K. Roopatharshini; Poonam Singh; T. Hemalatha	ICOSICS-2026 | Article 1124	Accepted for presentation	OPEN SOURCE
2026-27	EE	PUBLISHED	Performance Optimization and Net Yield Evaluation of a Fuzzy Logic-Driven Single vs. Dual-Axis Solar Tracker for 100 kW PV Systems under Lucknow's Climatic Profile	Priyank Srivastava; Asif Jamil Ansari; Monica Mehrotra; Akhlaque Ahmad Khan	IJAIML 6(11s), 982-994	Published | 22 Sep 2026	OPEN SOURCE
2026-27	ASH/HU	PUBLISHED	Thiosemicarbazone metal complexes as multifunctional therapeutic platforms: Advances, mechanisms, and future prospects	Kavita Dhariyal	European Journal of Medicinal Chemistry 320, 119334	Published | 21 Sep 2026	OPEN SOURCE
2025-26	CSE	PUBLISHED	AI-driven Stress Detection and Management	Khushi Sharma; Anju; Poonam Singh	IJERT 15(04) | IJERTV15IS042370	Published | 26 Apr 2026	OPEN SOURCE
2025-26	CSE	PUBLISHED	Lightweight Deep Learning-Based Alzheimer's Detection Using MobileNetV2 and Grad-CAM: A Comprehensive Review	Poonam Singh; Ayush Verma; Arushi Jaiswal; Ashish Shukla	IJARSCT 6(2) | DOI 10.48175/IJARSCT-31215	Published | Feb 2026	OPEN SOURCE

CONSOLIDATED PUBLICATION REGISTER - 358 RECORDS

No.	Session	Dept.	Faculty / Owner	Title / Details	Category / Source	Source
346	2026-27	CSE	Dr. Anurag Tiwari; Mr. Satish Singh Verma	A Review on Machine Learning Approaches for Early Detection of Lumpy Skin Disease in Cattle	Scopus Publication | Proceedings of International Conference on Computational Intelligence (ICCI 2025), Springer, Lecture Notes in	OPEN SOURCE
1248	2026-27	CSE	Dr. Ashish Tiwari	Cryptographic and discrete approaches to IoT cybersecurity: A risk management and security analysis	Networks and Systems (LNNS), Vol. 2063, pp. 107-121; First Online: 02-Aug-2026 Scopus Publication | Journal of Discrete Mathematical Sciences and Cryptography, Taru Publications; Article No. JDMSC-2747;	OPEN SOURCE
78	2025-26	AIML	Mr. Rafik Ahmad	Bridging renewable energy sources with non-isolated DC-DC	Pages 3207-3217; ISSN Online: 2169-0065; ISSN Print: 0972-0529; CiteScore 2025: 2.7 (Q1) SCI Publication | Discover Electronics	OPEN SOURCE
79	2025-26	AIML	Mr. Rafik Ahmad	converters: challen... Enhancing voltage regulation of a zeta converter using PI and PID	SCI Publication | Discover Electronics	OPEN SOURCE

PUBLICATIONS

358 consolidated records + current scholarly status updates

No.	Session	Dept.	Faculty / Owner	Title / Details	Category / Source	Source
283	2025-26	AIML	Mr. Joy Roy	controllers... Analytical Solutions for Scale and Time Dependent Solute	Referred Journal Publication | Journal of Water Resources and	OPEN SOURCE
284	2025-26	AIML	Mr. Joy Roy	Transport in Heterog... Analytical Solutions of Two-dimensional Solute Transport with	Ocean Sciences / Volume 12(I), pp. I-II, 2023.... Referred Journal Publication | Referred Journal	OPEN SOURCE
285	2025-26	AIML	Mr. Joy Roy	Spatially and T... Analytical solutions of one-dimensional scale dependent	Referred Journal Publication | Volume 16, 2022. DOI.org	OPEN SOURCE
286	2025-26	AIML	Mr. Joy Roy	advection-dispersion ... Numerical Solution for Advection-Dispersion Equation with	Referred Journal Publication | Environment and Earth Sciences	OPEN SOURCE
287	2025-26	AIML	Ms. Apoorva Srivastava	Uniform and Varying... Performance comparison of PI and AI-based controllers for solar	Research Journal / Volume 9(4), pp. 133-138, 2... Referred Journal Publication | Energy Storage and Conversion,	OPEN SOURCE
276	2025-26	ASH/H	Dr. Ashutosh K. Srivastava	PV-fed fast e... Synthesis, Characterization and Antimicrobial Activity of Novel	4(2), 4074, 2026 / DOI: 10.59400/esc4074 Referred Journal Publication | Research Journal of Chemistry and	OPEN SOURCE
277	2025-26	U ASH/H	Dr. Shahanshah Haider Abdi	2H-oxazinyl-t... Unraveling Mixed Ionic-Electronic Conduction in	Environment, Volume 29(12), Dec 2025 / DOI:... Referred Journal Publication | Research & Reviews: Journal of	OPEN SOURCE
278	2025-26	U ASH/H	Mr. Ashirwad Dubey	Lithium-Substituted Rubidium ... Performance Enhancement of Static Transfer Switch Using	Physics, 14(2), 19-29, 2025 / DOI: 10.37591/RR... Referred Journal Publication | IJCESEN, Volume 11(3),	OPEN SOURCE
279	2025-26	U ASH/H	Mr. Suraj Srivastava	Advanced State Estima... A flyer plates in explosive welding process with kinetic energy	4902-4909, 2025 / DOI: 10.22399/ijcesen.3304 Referred Journal Publication | Journal of Emerging Technologies	OPEN SOURCE
280	2025-26	U ASH/H U	Ms. Poonam	Bhagavad Gita Environment	and Innovative Research, Volume 12 Issue 8, ... Referred Journal Publication | International Journal for Multidisciplinary Research (IJFMR)	OPEN SOURCE
281	2025-26	ASH/H	Ms. Poonam	The Srimad Bhagavad Gita's Perspective on the Environment:	Referred Journal Publication | International Journal for	OPEN SOURCE
282	2025-26	U ASH/H	Ms. Richa Singh	Nature as Divine M... Characterization of Activated Carbon Nano-materials prepared	Multidisciplinary Research (IJFMR), Volume 7, Issue... Referred Journal Publication | KRONIKA JOURNAL, Volume 25	OPEN SOURCE
288	2025-26	U CE	Dr. D.S. Ray	from Sugarcane B... Design of Cement Concrete Lining of Canal: A Civil Engineering	Issue 12, 2025 Referred Journal Publication | International Journal for	OPEN SOURCE
14	2025-26	CSE	Dr. Sangeeta Mishra	Study Design of FAHP based Security Framework under Agile Software	Multidisciplinary Research (IJFMR), 8(1), 2026 SCI Journal Publication | International Journal of Intelligent	OPEN SOURCE
15	2025-26	CSE	Mr. Amit Kumar Sachan	Development AI Ethics: Bridging Innovation with Morality	Systems and Applications in Engineering(... SCI Journal Publication | Cuestiones de Fisioterapia (ISSN:	OPEN SOURCE
16	2025-26	CSE	Mr. Gyanendra Kumar	Enhancing trust in the social Internet of things: A comprehensive	1135-8599) SCI Journal Publication | Emerging Trends in Computer science	OPEN SOURCE
17	2025-26	CSE	Mr. Rajeev Srivastava	review Digital Dwelling Hub:Revolutioninzing Real Estate With AR and	and its Application (CRC Press) / DOI: 10... SCI Journal Publication | Emerging Trends in Computer Science	OPEN SOURCE

PUBLICATIONS

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No.	Session	Dept.	Faculty / Owner	Title / Details	Category / Source	Source
18	2025-26	CSE	Mr. Vinayak	Smart Home Inte... A refined VGG-19 model for accurate classification of Lung Cancer	and Its Application: Proceedings of the I... SCI Journal Publication | Journal of Dyanmics and Control /	OPEN SOURCE
19	2025-26	CSE	Mr. Vinayak	Mmt-Vin: An Intelligent lung cancer detection framework utilizing	9,2,1672-6553 SCI Journal Publication | Nanotechnology Perception /	OPEN SOURCE
20	2025-26	CSE	Mr. Vineet Agarwal	Machine Lea... Reform Dentistry: A web-based platform for revolutionizing	20,S13,1660-6795 SCI Journal Publication | Emerging Trends in Computer Science	OPEN SOURCE
21	2025-26	CSE	Ms. Neha Chauhan	dentistry Digitalization and Hospitalization: A Smart Hospital Management	and Its Application Proceedings of the In... SCI Journal Publication | International Journal of Scientific	OPEN SOURCE
22	2025-26	CSE	Ms. Richa Verma	Framework Machine Learning Algorithms Applied with Questionnaire Dataset	Research in Engineering and Management (I... SCI Journal Publication | Proceedings of The International	OPEN SOURCE
23	2025-26	CSE	Ms. Rudrendra Bahadur	to Investigate... A Review Article for Argumentation Mining of Text through	Conference on Recent Innovations in Computin... SCI Journal Publication | Journal of Information Systems	OPEN SOURCE
24	2025-26	CSE	Singh Ms. Rudrendra Bahadur	Machine Learning Te... Reconceptualizing Argument Mining as a Text-to-Text Generation	Engineering and Management, 2025, 10(26s) SCI Journal Publication | METSZET JOURNAL, Volume 10 Issue	OPEN SOURCE
75	2025-26	CSE	Singh Dr. Anurag Tiwari	Problem Dual Path Attention Fusion Network for Automated Lumpy Skin Disease Detection	5, 2025 SCI / Scopus Journal Publication | Indian Journal of Animal Research, Article ID B-5782, First Online 28-04-2026	OPEN SOURCE
76	2025-26	CSE	Mr. Vinayak	A critique of CNN Models for the Detection of early stage Lung	Scopus Publication | African Journal of Biological Sciences	OPEN SOURCE
289	2025-26	CSE	Dr. Diwakar Yagyasen	Cancer Robotic Gripper Advancements and Future Directions in Order to	Referred Journal Publication | Referred Journal, Volume 12(1), pp.	OPEN SOURCE
290	2025-26	CSE	Dr. Ram Bhushan	Improve Contro... A comprehensive Study on Smart Noise Alert & Detection System	159-175 Referred Journal Publication | International Journal of Scientific	OPEN SOURCE
291	2025-26	CSE	Dr. Ram Bhushan	Artificial Intelligence Technology Based on EEG Signals for	Research in Engineering and Management / ... Referred Journal Publication | Advancements in Communication	OPEN SOURCE
292	2025-26	CSE	Dr. Ram Bhushan	Monitoring the On... Enhancing Accessibility of Laplace Transform for Introductory	and Systems Referred Journal Publication | Advancements in Communication	OPEN SOURCE
293	2025-26	CSE	Dr. Ram Bhushan	Mathematics Edu... Exploring Mathematical Concepts in Ramcharit Manas: A Unique	and Systems Referred Journal Publication | International Journal of Recent	OPEN SOURCE
294	2025-26	CSE	Dr. Ram Bhushan	Perspective on N... Streetlight Controller and Management System (SCMS)	Trends in Multidisciplinary Research / 5, 1, ... Referred Journal Publication | International Journal of Scientific	OPEN SOURCE
295	2025-26	CSE	Dr. Sangeeta Mishra	Fuzzy AHP based new questionnaire process for improving	Research in Engineering and Management (I... Referred Journal Publication | Communications in Computer and	OPEN SOURCE
296	2025-26	CSE	Mr. Ajay Kumar	judgements under ASD ... TECH TRAJECTORY:AI-Enhanced Career Guidance System	Information Science, Referred Journal Publication | International Journal of Research in	OPEN SOURCE
297	2025-26	CSE	Mr. Ajay Kumar	VedaRoot - Medicinal Plant Detection Web Application	Engineering, Science and Management Referred Journal Publication | International Journal of Scientific	OPEN SOURCE

PUBLICATIONS

358 consolidated records + current scholarly status updates

No.	Session	Dept.	Faculty / Owner	Title / Details	Category / Source	Source
298	2025-26	CSE	Mr. Amit Kumar Sachan	A Machine Learning-Based Deanonymization Tool for Analyzing	Research and Engineering Development / Vo... Referred Journal Publication | Referred Journal	OPEN SOURCE
299	2025-26	CSE	Mr. Amit Kumar Sachan	Anonymized Networ... Advancing public information processing: a research of	Referred Journal Publication | International Research Journal of	OPEN SOURCE
300	2025-26	CSE	Mr. Amit Kumar Sachan	summarization and retr... Stock Price Prediction Model	Modernization in Engineering Technology and... Referred Journal Publication | International Journal of Scientific	OPEN SOURCE
301	2025-26	CSE	Mr. Chinmay Shukla	Farmer-Merchant Integration: A Digital Agricultural Marketplace	Research in Engineering and Management / ... Referred Journal Publication | 213-217 DOI: 10.27896	OPEN SOURCE
302	2025-26	CSE	Mr. Deepak Pant	System EduDevOps : The Ultimate CI CD Corporate Devops Pipeline	/metszet10.5/19 Referred Journal Publication | International Journal of scientific	OPEN SOURCE
303	2025-26	CSE	Mr. Gyanendra Kumar	Project VigilantNet:Intelligent Network and App Security Manager	research in engineering & management Referred Journal Publication | METSZET Journal	OPEN SOURCE
304	2025-26	CSE	Mr. Praveen Kumar Pandey	Cloud Native Evaluator Application : Based on Drops pipeline	Referred Journal Publication | International Journal of Scientific	OPEN SOURCE
305	2025-26	CSE	Mr. Praveen Kumar Pandey	Sign Ease : AI-Based Gesture Recognition	Research in Engineering and Management (I... Referred Journal Publication | IEEE Conference / Publication	OPEN SOURCE
306	2025-26	CSE	Mr. Rajeev Srivastava	BioStamp :-An IoT-Enabled Automated Physical Stamping System	Referred Journal Publication | Volume-9,Issue 05 May, _	OPEN SOURCE
307	2025-26	CSE	Mr. Rajeev Srivastava	Digital Dwelling Hub: Revolutionizing Real Estate with AR and	2025,ISSN No-2582--3930 Referred Journal Publication | Emerging Trends in Computer	OPEN SOURCE
308	2025-26	CSE	Mr. Sandeep Kumar Mishra	Smart Home Inte... Pediatric brain tumor detection in MRI	Science and Its Application: Proceedings of the I... Referred Journal Publication | Referred Journal	OPEN SOURCE
309	2025-26	CSE	Ms. Saroj Singh	Challenges in Software Engineering for Green Software	Referred Journal Publication | Referred Journal	OPEN SOURCE
310	2025-26	CSE	Mr. Saurabh Kumar Jain	Development Deep Fake Detection: Using a web Based Convolutional Neural	Referred Journal Publication | International Journal of Scientific	OPEN SOURCE
311	2025-26	CSE	Mr. Shekhar Srivastava	Network System Collaborative-IDE: A Collaborative Integrated Development	Research in Engineering and Management (I... Referred Journal Publication | International Research Journal of	OPEN SOURCE
312	2025-26	CSE	Mr. Shekhar Srivastava	Environment Street Animal Welfare System	Modernization in Engineering Technology and... Referred Journal Publication | International Journal of Scientific	OPEN SOURCE
313	2025-26	CSE	Mr. Shekhar Srivastava	Virtual Health Integration: A Digital Healthcare Service Integration	Research in Engineering and Management (I... Referred Journal Publication | International Journal of Scientific	OPEN SOURCE
314	2025-26	CSE	Mr. Vinayak	System Pulmonary Disease Prediction by Using Machine Learning	Research in Engineering and Management (I... Referred Journal Publication | International Journal of Scientific	OPEN SOURCE

PUBLICATIONS

358 consolidated records + current scholarly status updates

No.	Session	Dept.	Faculty / Owner	Title / Details	Category / Source	Source
315	2025-26	CSE	Mr. Vineet Agarwal	Techniques A comprehensive study on geofencingbased task management system: usability an...	Research in Engineering and Management (I... Referred Journal Publication | ACCENT JOURNAL OF ECONOMICS ECOLOGY & ENGINEERING Peer Reviewed and	OPEN SOURCE
316	2025-26	CSE	Mr. Vineet Agarwal	Deep Learning-Based Image Captioning: Integrating CNN-LSTM	Refereed ... Referred Journal Publication | Referred Journal	OPEN SOURCE
317	2025-26	CSE	Mr. Vineet Agarwal	Architectures with... Enhancing Human Pose Detection and Estimation Through	Referred Journal Publication | Emerging Trends in Computer	OPEN SOURCE
318	2025-26	CSE	Mr. Vineet Agarwal	MediaPipe and CNN Feedo(spreading smiles):connecting consumers with surplus food	Science and Its Application Proceedings of the In... Referred Journal Publication | International conference on indian	OPEN SOURCE
319	2025-26	CSE	Mr. Vineet Agarwal	Road accident analysis: a model for location based- aware accident analysis p...	knowledge systems: a catalyst for sustaina... Referred Journal Publication | International conference on indian knowledge systems: a catalyst for sustaina...	OPEN SOURCE
321	2025-26	CSE	Ms. Amrita Mishra	Incon-sdg 2026: advamcing sustainable development goals	Referred Journal Publication | Yenepoya bengaluru off campus	OPEN SOURCE
322	2025-26	CSE	Ms. Amrita Mishra	though innovation, te... Signify Connect: A Review of AI-Based Mobile Assistive System	karnataka and rsp condernece hub, coimbatore,ta... Referred Journal Publication | International Journal of Scientific	OPEN SOURCE
323	2025-26	CSE	Ms. Jyoti Gaur	for Sign langua... AI powered city safety	Research in Engineering and Management (I... Referred Journal Publication | International Research Journal of	OPEN SOURCE
324	2025-26	CSE	Ms. Jyoti Gaur	Driver Vigilance Monitoring System	Modernization in Engineering Technology and... Referred Journal Publication | METSZET Journal, Volume 10,	OPEN SOURCE
325	2025-26	CSE	Ms. Neha Chauhan	A Comprehensive Study on Enhancing Disaster Management with	Issue 5, May 2025, ISSN: 2061-2710 Referred Journal Publication | International Journal of Scientific	OPEN SOURCE
326	2025-26	CSE	Ms. Neha Chauhan	RescueNet: A Usab... Crop Growth Analysis Across Indian States: The Role of	Research in Engineering and Management (I... Referred Journal Publication | 2024 International Conference on	OPEN SOURCE
327	2025-26	CSE	Ms. Neha Kulshrestha	Temperature, Humidity,... Cloud Native Evaluator Application : Based on	Computational Intelligence and Communication... Referred Journal Publication | International Journal of Scientific	OPEN SOURCE
328	2025-26	CSE	Ms. Neha Kulshrestha	Real-Time Expense Tracking and Financial Forecasting Through	Research in Engineering and Management (I... Referred Journal Publication | Referred Journal	OPEN SOURCE
329	2025-26	CSE	Ms. Neha Kulshrestha	AI and Machine L... Revolutionizing Decentralized Transactions: The Power of Layer 2	Referred Journal Publication | International Journal of Scientific	OPEN SOURCE
330	2025-26	CSE	Ms. Neha Kulshrestha	Blockchain S... Sustain Track - Interactive and Accessible Carbon Footprint	Research in Engineering and Management (I... Referred Journal Publication | International Journal of Scientific	OPEN SOURCE
331	2025-26	CSE	Ms. Padmini Mishra	Analyzer Helmet and License Plate Detection	Research and Engineering Development / Vo... Referred Journal Publication | Journal of Emerging Technologies	OPEN SOURCE
332	2025-26	CSE	Ms. Padmini Mishra	TedXStudy a Smart Classroom Management System	and Innovative Research (Journal of Emerging... Referred Journal Publication | Referred Journal	OPEN SOURCE

PUBLICATIONS

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No.	Session	Dept.	Faculty / Owner	Title / Details	Category / Source	Source
333	2025-26	CSE	Ms. Priyanka Gupta	Make mates- Social Media Web Application	Referred Journal Publication | Referred Journal	OPEN SOURCE
334	2025-26	CSE	Ms. Raziya Siddiqui	A Fuzzy TOPSIS based Analysis to Prioritize Enabling Factors	Referred Journal Publication | Referred Journal	OPEN SOURCE
335	2025-26	CSE	Ms. Richa Verma	Factors for Stra... CAD - Prediction Model Using Artificial Intelligence	Referred Journal Publication | International Journal of Scientific	OPEN SOURCE
336	2025-26	CSE	Ms. Richa Verma	Evaluating the Effectiveness of Deep Learning Models in Network Intrusion Det...	Research in Engineering and Management (I... Referred Journal Publication | 2024 International Conference on Cybernation and Computation (CYBERCOM)	OPEN SOURCE
337	2025-26	CSE	Ms. Richa Verma	Sign Language Recognition System Sign Wave	Referred Journal Publication | Referred Journal	OPEN SOURCE
338	2025-26	CSE	Ms. Rudrendra Bahadur	A Generative Approach to Argument Structure Extraction	Referred Journal Publication | International Journal of Scientific	OPEN SOURCE
339	2025-26	CSE	Singh Ms. Rudrendra Bahadur	A Review of English Language by Argumentation Mining using	Research in Engineering and Management (I... Referred Journal Publication | P2.pdf uploaded paper evidence /	OPEN SOURCE
340	2025-26	CSE	Singh Ms. Rudrendra Bahadur	Machine Learning T... Bridging AI and Law: A Comprehensive NLP Platform for Legal	co-authors include BBDITM contributors Referred Journal Publication | Journal of Emerging Technologies	OPEN SOURCE
341	2025-26	CSE	Singh Ms. Rudrendra Bahadur	Document Processing Legal Natural Language Processing Platform	and Innovative Research (Journal of Emerging... Referred Journal Publication | Journal of Emerging Technologies	OPEN SOURCE
342	2025-26	CSE	Singh Ms. Rudrendra Bahadur	Pulmonary Disease Prediction by Using Machine Learning	and Innovative Research (Journal of Emerging... Referred Journal Publication | International Journal of Scientific	OPEN SOURCE
343	2025-26	CSE	Singh Ms. Rudrendra Bahadur	Technique Transformer-Based Argumentation Mining in English Language:	Research in Engineering and Management (I... Referred Journal Publication | Journal of Emerging Technologies	OPEN SOURCE
347	2025-26	CSE	Singh Mr. Surya Vikram Singh	BERT for Encoding... An Empirical Analysis of Multi-Objective Scheduling Mechanisms for Scheduling Workflows in Cloud Environment	and Innovative Research (Journal of Emerging... Conference Publication | 2026 International Conference on Intelligent Systems in Engineering, Secured Systems and	OPEN SOURCE
348	2025-26	CSE	Dr. Anurag Tiwari	A Novel Approach for Multi-Class Fetal ECG Arrhythmia	Cybersecurity (ICISESSC 2026), IEEE; Conference: 09-10 Apr 2026; Greater Noida, India Scopus Publication | International Journal of Computer Information	OPEN SOURCE
349	2025-26	CSE	Dr. Sangeeta Mishra	Classification by ResNet-50 Combined with Transformer Fuzzy AHP based new questionnaire process for improving	Systems and Industrial Management Applications (IJCISIM) Referred Journal Publication | Communications in Computer and	OPEN SOURCE
355	2025-26	CSE	Dr. Sangeeta Mishra; Dr. Ashish Tiwari	judgements under ASD Framework A Comparative Review Of AI-Driven Nutrition Analysis, Barcode Recognition, And Food Transparency Systems: Positioning	Information Science (Springer) Referred Journal Publication | International Journal of Scientific Research and Engineering Development, Vol. 9 Issue 2, Mar-Apr	OPEN SOURCE
356	2025-26	ECE	Mr. Dharmesh Kumar	YumCheck In The Modern Food Computing Landscape Cyber-Resilient Frequency Control Design for Interlinked Alternate	2026 ESCI / Scopus Journal Publication | Electrica, Vol. 25, Article 0002	OPEN SOURCE

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No.	Session	Dept.	Faculty / Owner	Title / Details	Category / Source	Source
352	2025-26	EE	Prof. Rafik Ahmad; Dr.	Current Microgrid System Bridging renewable energy sources with non-isolated DC-DC	(2025), published 26-Jun-2025 SCI Journal Publication | Discover Electronics, Vol. 2,	OPEN SOURCE
353	2025-26	EE	Apoorva Srivastava Prof. Rafik Ahmad; Dr. Apoorva Srivastava	converters: challenges and innovations Enhancing voltage regulation of a zeta converter using PI and PID controllers: a comparative study under input voltage and load variation	Article 69 (2025), Springer Nature SCI Journal Publication | Discover Electronics, Vol. 2, Article 82 (2025), Springer Nature	OPEN SOURCE
354	2025-26	EE	Dr. Apoorva Srivastava	Performance comparison of solar fed MPC and AI controller for	Journal Publication | Energy Storage and Conversion, Vol. 4 No. 2,	OPEN SOURCE
25	2025-26	IT	Dr. Usha Sharma	fast battery charging in electric vehicles An Investigation on the Effect of Mango Seed and Pangamic	Article 4291 (2026) SCI Journal Publication | Lubricants (Multidisciplinary Digital	OPEN SOURCE
26	2025-26	IT	Dr. Usha Sharma	Oil-Based Cutting F... Optimizing EDM of Gunmetal with Al2O3-Enhanced Dielectric:	Publishing Institute), Volume 13(8), SCI Journal Publication | Materials (Multidisciplinary Digital	OPEN SOURCE
344	2025-26	IT	Mr. Ankit Singh	Experimental Insig... A Blockchain and ML-Based Architecture for Fraud Detection in	Publishing Institute) Volume 18(19) Referred Journal Publication | International Journal of Research	OPEN SOURCE
345	2025-26	IT	Dr. Usha Sharma	DeFi Adaptive fault tolerance mechanisms for ensuring high availability	Publication and Reviews (IJRPR), Paper ID 1... SCI Journal Publication | Scientific Reports, Vol. 15, Article 41676	OPEN SOURCE
350	2025-26	IT	Dr. Usha Sharma	of digital twins in distributed edge computing systems An Investigation on the Effect of Mango Seed and Pongamia Oil-Based Cutting Fluids on Surface Morphology During Turning of	(2025), Springer Nature SCI Journal Publication | Lubricants, Vol. 13, Issue 8, Article 325 (2025), MDPI	OPEN SOURCE
351	2025-26	IT	Dr. Usha Sharma	AISI 304 Steel Optimizing EDM of Gunmetal with Al2O3-Enhanced Dielectric:	SCI Journal Publication | Materials, Vol. 18, Issue 19, Article 4578	OPEN SOURCE
357	2025-26	ME	Mr. Achman Mishra	Experimental Insights and Machine Learning Models Development and Parameter Optimization of Electrodes to Enhance Mechanical Properties in Underwater Wet Direct Current	(2025), MDPI SCI Journal Publication | Journal of Materials Engineering and Performance, Vol. 35, Issue 12	OPEN SOURCE
10	2024-25	AIML	Mr. Joy Roy	Welding of Fe 410 Steel Three-dimensional solute transport in finite and curved porous	SCI Journal Publication | Groundwater for Sustainable	OPEN SOURCE
72	2024-25	AIML	Mr. Rafik Ahmad	media with sur... GPS Integrated Landmine Detection Rover with Camera	Development Scopus Publication | International Conference on Signal	OPEN SOURCE
73	2024-25	AIML	Mr. Rafik Ahmad	IoT Based Continuous Hydration Monitoring System of Human	Processing and Advance Research in Computi... Scopus Publication | International Conference on Signal	OPEN SOURCE
71	2024-25	ASH/H	Mr. Shahab Ahmad	Body Accident Alert and Vehicle Theft Intimation System Using FSM	Processing and Advance Research in Computi... Scopus Publication | 2024 International Conference on Signal	OPEN SOURCE
120	2024-25	U CE	Mr. Abhay Yadav	Modem The recent progress in the advancement and efficiency of recycled	Processing and Advance Research in Co... Conference Publication |	OPEN SOURCE
255	2024-25	CE	Dr. D.S. Ray	steel fibre... Study of Soil Properties of Canal: A Geotechnical Engineering	Referred Journal Publication | International Journal for	OPEN SOURCE

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256	2024-25	CSE	Mr. Vinayak	Study SENSEI: Assistive AI agent with multimodal capabilities and custom tool integ...	Multidisciplinary Research (IJFMR), 8(1), 2026 Referred Journal Publication | International Research Journal of Modernization in Engineering Technology and...	OPEN SOURCE
257	2024-25	CSE	Mr. Vineet Agarwal	Deep learning based image captioning -itegrating cnn lstm	Referred Journal Publication | International Research Journal of	OPEN SOURCE
258	2024-25	CSE	Mr. Vineet Agarwal	Referred Journal	Engineering and Technology (International R... Referred Journal Publication | Referred Journal	OPEN SOURCE
259	2024-25	CSE	Ms. Neha Chauhan	Adaption of best methodology by comparing different algorithm to	Referred Journal Publication | Referred Journal	OPEN SOURCE
260	2024-25	CSE	Ms. Neha Kulshrestha	detect parki... Castella: Voice-Enabled Podcast Services	Referred Journal Publication | International Journal of Scientific	OPEN SOURCE
261	2024-25	CSE	Ms. Padmini Mishra	InstaScan: A Smart Document and Image Scanning System	Research in Engineering and Management (I... Referred Journal Publication | International Research Journal of	OPEN SOURCE
262	2024-25	CSE	Ms. Rudrendra Bahadur	Serverless computing: principles & paradigms	Modernization in Engineering Technology and... Referred Journal Publication | International Journal of Research	OPEN SOURCE
263	2024-25	DS	Singh Dr. Neha Pandey	Live- in relationship: an unending challenge?	and Analytical Reviews Referred Journal Publication | Knowledge Resonance, Volume 13,	OPEN SOURCE
264	2024-25	DS	Dr. Neha Pandey	Socioemotional Intelligence : A Valuable collection of Material from	No. 1, Jan - June, 2024. Referred Journal Publication | Mukt Shabd Journal, Volume XIII,	OPEN SOURCE
265	2024-25	ECE	Dr. Rupali Agarwal	Indian K... Hybrid Controlled Advanced Drone	Issue III, March 2024 Referred Journal Publication | International Journal of Research	OPEN SOURCE
266	2024-25	ECE	Mr. Amit Kumar Singh	Road Surface Analyser for Safety and Smoothness of Road	and Analytical Reviews (IJRAR) Referred Journal Publication | International Journal of Research	OPEN SOURCE
267	2024-25	ECE	Mr. Dharmesh Kumar	Cyber-Resilient Frequency Control Design for Interlinked Alternate	Publication and Reviews Referred Journal Publication | Electrica, 25, 1-13, 2025 / DOI:	OPEN SOURCE
268	2024-25	ECE	Mr. Diwakar Singh	Current Mi... Robotic Arm for Industrial Applications	10.5152/electrica.2025.25002 Referred Journal Publication | International Journal of Research	OPEN SOURCE
269	2024-25	ECE	Mr. Kishan Kumar	System to Check the Healthiness of the Earthing System and Alert	Publication and Reviews Referred Journal Publication | International Journal of Scientific	OPEN SOURCE
270	2024-25	ECE	Mr. Naveen Kumar	Staff in Cas... Cyclic oxidation of 304L and 316L stainless steel coated and	Research & Engineering Trends Referred Journal Publication | Materials Science-Poland, 43(1),	OPEN SOURCE
271	2024-25	ECE	Mr. Navneet Pandey	uncoated with Cr... Smart Wearable for Mountaineers	103-114, 2025 / DOI: 10.2478/msp-2025-0010 Referred Journal Publication | International Journal of Research	OPEN SOURCE
272	2024-25	ECE	Mr. Pankaj Verma	Surveillance drone using esp32	Publication and Reviews Referred Journal Publication | Journal of Emerging Technologies and Innovative Research (Journal of Emerging...	OPEN SOURCE

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No.	Session	Dept.	Faculty / Owner	Title / Details	Category / Source	Source
273	2024-25	ECE	Ms. Keerti Mishra	Smart stretcher for monitoring mobile patients	Referred Journal Publication | International Journal of Scientific	OPEN SOURCE
274	2024-25	ECE	Ms. Ravi Shankar	Solar Based EV Charging Station With IoT Networking	Research & Engineering Trends Referred Journal Publication | International Research Journal of	OPEN SOURCE
11	2024-25	IT	Dr. Santosh Kumar Shukla	Exploring innovations in cardiac arrhythmia detection: Evaluating	Modernization in Engineering Technology and... SCI Journal Publication | Systems and Soft Computing	OPEN SOURCE
12	2024-25	IT	Dr. Santosh Kumar Shukla	models, per... Improving Security In Wireless Mobile Communication Through	SCI Journal Publication | Journal of Theoretical and Applied	OPEN SOURCE
74	2024-25	IT	Dr. Usha Sharma	Machine Learning:... Semiconductors Technologies and Its Application along with	Information Technology Volume 103. (11), Scopus Publication | International Conference I3CEET-2024	OPEN SOURCE
83	2024-25	IT	Ms. Nida Hasib	Temperature Effects A Comparative Analysis on Appointment Booking System: A	UGC CARE Journal Publication | International Journal of Scientific	OPEN SOURCE
121	2024-25	IT	Dr. Santosh Kumar Shukla	review A Toxic Comment Detection Model Using Deep Learning	Research in Engineering and Management Conference Publication | ICCSAI-2025 organized by Galgotia	OPEN SOURCE
122	2024-25	IT	Dr. Santosh Kumar Shukla	Combating Cyber abuse: A Toxic Comment Detection Model Using	University, Greater Noida Conference Publication | International Conference on Computer	OPEN SOURCE
123	2024-25	IT	Dr. Shailja Pandey	Deep Learning A Review on Deep Learning Approaches for Combined Fake News	Science and Artificial Intelligence (ICC... Conference Publication | ICCSAI-2025 organized by Galgotia	OPEN SOURCE
124	2024-25	IT	Dr. Usha Sharma	Detection and Sen... MedEase: A Healthcare Management System	University, Greater Noida Conference Publication | International Conference on	OPEN SOURCE
125	2024-25	IT	Dr. Usha Sharma	Study of Track Obstacles detection system	Multidisciplinary Research Siam Technology Colleg... Conference Publication | International Conference on Computer	OPEN SOURCE
126	2024-25	IT	Ms. Dolley Srivastava	Predictive Maintenance for Industrial Equipment Using IoT	Science and Artificial Intelligence (ICC... Conference Publication | ICCSAI-2025 organized by Galgotia	OPEN SOURCE
127	2024-25	IT	Ms. Richa Sharma	Geolocation-Based Attendance Tracking System	University, Greater Noida Conference Publication | ICCSAI-2025 organized by Galgotia	OPEN SOURCE
275	2024-25	IT	Dr. Usha Sharma	Modelling of Fake Product Review Authentication system" Volume	University, Greater Noida Referred Journal Publication | International Journal of Scientific	OPEN SOURCE
13	2024-25	ME	Mr. Ankit Asthana	09 Issue:05 Development and Mechanical Properties Evaluation of	Research In Engineering and Management SCI Journal Publication |	OPEN SOURCE
62	2023-24	AIML	Mr. Rafik Ahmad	Environmentally Sustainab... Brain Tumor Detection Using Image Classifier	Scopus Publication | Lecture Notes in Electrical Engineering, vol	OPEN SOURCE
63	2023-24	AIML	Mr. Rafik Ahmad	Skin Lesion Segmentation Using Wavelet Transform on MATLAB	Scopus Publication | Lecture Notes in Electrical Engineering, vol	OPEN SOURCE
64	2023-24	AIML	Ms. Apoorva Srivastava	Model Predictive Control of Grid-Connected Wind Energy	1088. Springer, Singapore Scopus Publication | CRC Press Taylor and Francis (Book	OPEN SOURCE

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No.	Session	Dept.	Faculty / Owner	Title / Details	Category / Source	Source
65	2023-24	AIML	Ms. Apoorva Srivastava	Conversion System Usin... Model Predictive Control of Multiple Renewable Energy Sources in	Chapter) Scopus Publication | CRC Press Taylor and Francis (Book	OPEN SOURCE
86	2023-24	AIML	Mr. Surya Vikram Singh	Hybrid DC Mi... Anomaly Detection In Wireless Sensor Network	Chapter) Conference Publication | Taylor and Francis Group	OPEN SOURCE
235	2023-24	ASH/H	Mr. Vivek Narain	Air Compressed Engine: Design and Performance Analysis	Referred Journal Publication | International Research Journal of	OPEN SOURCE
236	2023-24	U ASH/H	Mr. Vivek Narain	Solar operated Hybrid Bicycle	Engineering and Technology / Volume 11 Referred Journal Publication | International Research Journal of	OPEN SOURCE
66	2023-24	U CE	Dr. D.S. Ray	Study and Design of Cement Concrete Lining of Canal	Engineering and Technology / Volume 11 Scopus Publication | Journal of Harbin Engineering University,	OPEN SOURCE
237	2023-24	CE	Mr. Aviral Tiwari	Design, Analysis and Estimation of Foot Bridge on NH-27	ISSN:1006-7043, Vol-44 NO 10,Octobe... Referred Journal Publication | International Journal of Novel	OPEN SOURCE
238	2023-24	CE	Mr. Gyanish	Tiwariganj Modelling Plume Rise from an Industry by Using AERMOD: An Air	Research and Development (IJNRD) Referred Journal Publication | International Journal of Novel	OPEN SOURCE
239	2023-24	CE	Mr. Prateek Verma	Quality Dispers... Cost Analysis and Comparison of RCC Retaining Wall with	Research and Development (IJNRD) Referred Journal Publication | International Journal of Creative	OPEN SOURCE
240	2023-24	CE	Mr. Sonu Chauhan	Geogrid Retaining Wall Analysis of Sugarcane Bagasse Ash for the Improvement in the	Research Thoughts (IJCRT) Referred Journal Publication | International Journal of Creative	OPEN SOURCE
241	2023-24	CE	Ms. Vaishnavi	Properties of Bl... Suggestive Method for Treatment of Waste Water Discharge from	Research Thoughts (IJCRT) Referred Journal Publication | International Journal of Novel	OPEN SOURCE
5	2023-24	CSE	Mr. Gyanendra Kumar	Balrampur Sugar... Android App Threat Analysis Techniques: A Review	Research and Development (IJNRD) SCI Journal Publication | Taylor and Francis Group	OPEN SOURCE
6	2023-24	CSE	Mr. Vineet Agarwal	2 filled in first response	SCI Journal Publication | Referred Journal	OPEN SOURCE
7	2023-24	CSE	Mr. Vineet Agarwal	International conference on advances in emerging trends in	SCI Journal Publication | International conference on advances in	OPEN SOURCE
8	2023-24	CSE	Ms. Padmini Mishra	computer applicati... A Review On Smart Health Diagnosis	emerging trends in computer applicati... SCI Journal Publication | Taylor and Francis Group	OPEN SOURCE
9	2023-24	CSE	Ms. Padmini Mishra	Advancements In Assistive Technologies For Web Accessibility: A Systematic Re...	SCI Journal Publication | Taylor and Francis Group	OPEN SOURCE
87	2023-24	CSE	Dr. Anurag Tiwari	Exploring The Impact Of Integrated Technological Solutions On	Conference Publication | Taylor and Francis Group	OPEN SOURCE
88	2023-24	CSE	Dr. Diwakar Yagyasen	Student Engagem... An In-Depth Review Of AI/ML Techniques In Emotion-Preserving	Conference Publication | Taylor and Francis Group	OPEN SOURCE
89	2023-24	CSE	Dr. Manuj Darbari	Multilingual Vid... A Exhaustive Review On Advancements And Challenges In Low	Conference Publication | Taylor and Francis Group	OPEN SOURCE

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90	2023-24	CSE	Mr. Amit Kumar Sachan	Power Wireless Sens... Vision Based Lip Reading System Using Deep Learning	Conference Publication | Taylor and Francis Group	OPEN SOURCE
91	2023-24	CSE	Mr. Ankit Khare	Advancements In Columburst Predictions: A Comprehensive	Conference Publication | Taylor and Francis Group	OPEN SOURCE
92	2023-24	CSE	Mr. Anurag Shukla	Review Of Tolls And T... Case Management And Hearing	Conference Publication | Taylor and Francis Group	OPEN SOURCE
93	2023-24	CSE	Mr. Anurag Shukla	Fake Social Media Profile Detection Using Machine Learning	Conference Publication | Taylor and Francis Group	OPEN SOURCE
94	2023-24	CSE	Mr. Anurag Shukla	Optimizing Patient Outcomes Through Integrated Health Analysis	Conference Publication | Taylor and Francis Group	OPEN SOURCE
95	2023-24	CSE	Mr. Deepak Pant	And Management... Prompted Large Language Models as Chatbot Modules for Long	Conference Publication | Taylor and Francis Group	OPEN SOURCE
96	2023-24	CSE	Mr. Gyanendra Kumar	Open-Domain Conver... Mind Matters: Psychological Analysis Using Cbt Chatbot	Conference Publication | Taylor and Francis Group	OPEN SOURCE
97	2023-24	CSE	Mr. Kamlesh Kumar	A Comprehensive Review On Multi-Disease Prediction Web App:	Conference Publication | Taylor and Francis Group	OPEN SOURCE
98	2023-24	CSE	Mr. Kamlesh Kumar	Quadradiag Comprehensive Examination Of System Surveillance Method	Conference Publication | Taylor and Francis Group	OPEN SOURCE
99	2023-24	CSE	Mr. Rajeev Srivastava	Employing Keystrokes ... Detection Of Phishing Attacks Using Machine Learning	Conference Publication | Taylor and Francis Group	OPEN SOURCE
100	2023-24	CSE	Mr. Rajeev Srivastava	Digital Dwelling Hub:Revolutionizing Real Estate With Ar And	Conference Publication | Emerging Trends in Computer Science	OPEN SOURCE
101	2023-24	CSE	Mr. Rudrendra Bahadur Singh	Smart Home Integ... Approach To Recognize Fake News	and Its Application: Proceedings of the I... Conference Publication | Taylor and Francis Group	OPEN SOURCE
102	2023-24	CSE	Mr. Sandeep Kumar Mishra	A Comprehensive Review On Tomato Plant Disease Detection	Conference Publication | Taylor and Francis Group	OPEN SOURCE
103	2023-24	CSE	Mr. Sandeep Kumar Mishra	Using Convolutional ... Data Leakage Detection: A Security Framework for Sensitive Information	Conference Publication | Taylor and Francis Group	OPEN SOURCE
104	2023-24	CSE	Mr. Sandeep Kumar Mishra	Potato Leaf Disease Classification and Prediction Using	Conference Publication | Taylor and Francis Group	OPEN SOURCE
105	2023-24	CSE	Mr. Saurabh Jain	Convolutional Neural ... Fake Video Detection Using Machine Learning Techniques	Conference Publication | Taylor and Francis Group	OPEN SOURCE
106	2023-24	CSE	Mr. Saurabh Kumar Jain	Agriculture: Soil Analysis For Suitable Crop And Fertilizer	Conference Publication | Taylor and Francis Group	OPEN SOURCE
107	2023-24	CSE	Mr. Saurabh Kumar Jain	Prediction Artificial Intelligence Genius: Integrated Intelligence Platform	Conference Publication | Taylor and Francis Group	OPEN SOURCE

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108	2023-24	CSE	Mr. Shekhar Srivastava	Blockchain Based E-Vault System For Legal Records	Conference Publication | Taylor and Francis Group	OPEN SOURCE
109	2023-24	CSE	Mr. Shekhar Srivastava	Predicting Bitcoin Prices: A Machine Learning Approach For	Conference Publication | Taylor and Francis Group	OPEN SOURCE
110	2023-24	CSE	Mr. Vinayak	Accurate Forecasting A Review on Malignancy Detection in Lung Nodules Using	Conference Publication | Taylor and Francis Group	OPEN SOURCE
111	2023-24	CSE	Mr. Vinayak	Convolutional Neural N... Early Stage Lung Cancer Detection Using Resnet	Conference Publication | Taylor and Francis Group	OPEN SOURCE
112	2023-24	CSE	Mr. Vinayak	MobileNet-V3: A Comprehensive Survey of Object Detection	Conference Publication | Taylor and Francis Group	OPEN SOURCE
113	2023-24	CSE	Mrs. Neha Chauhan	Algorithms Using Con... Crop Prediction System Using Machine Learning	Conference Publication | Taylor and Francis Group	OPEN SOURCE
114	2023-24	CSE	Mrs. Subha Mishra	Collegego : Leveraging Alumni Data For Improved College	Conference Publication | Taylor and Francis Group	OPEN SOURCE
115	2023-24	CSE	Ms. Madhulika Sharma	Placements Enhancing Electoral Processes: The Role Of "Smart Voting	Conference Publication | Taylor and Francis Group	OPEN SOURCE
116	2023-24	CSE	Ms. Neha Chauhan	Systems" Ideas To Boost Fitness Activities And Assist In Keeping Fit	Conference Publication | Taylor and Francis Group	OPEN SOURCE
117	2023-24	CSE	Ms. Rudrendra Bahadur	A Comprehensive Review Of Innovations In Stray Cattle Detection	Conference Publication | Taylor and Francis Group	OPEN SOURCE
118	2023-24	CSE	Singh Ms. Rudrendra Bahadur	Decision-Making Using Argumentation Mining Framework On	Conference Publication | Taylor and Francis Group	OPEN SOURCE
242	2023-24	CSE	Singh Mr. Amit Kumar Sachan	English Text Skin disease detection using image processing	Referred Journal Publication | International Research Journal of	OPEN SOURCE
320	2023-24	CSE	Mr. Vineet Agarwal	Reform Dentistry: A Web-Based platform revolutionizing dentistry reform denti...	Modernization in Engineering Technology and... Referred Journal Publication | Emerging Trends in Computer Science and Its Application Proceedings of the In...	OPEN SOURCE
119	2023-24	ECE	Mr. Kishan Kumar	Marine Current Energy coupled with a VSC-HVDC link	Conference Publication | International Conference on Cognitive	OPEN SOURCE
243	2023-24	ECE	Dr. Abhimanyu Kumar Yadav	Solar Powered Object Detector With Analytical Thinking For	Computing in Engineering, Communication... Referred Journal Publication | Journal of Emerging Technologies	OPEN SOURCE
244	2023-24	ECE	Dr. Shailendra Tahilyani	Warfield Spying Seamless Health Monitoring and Emergency Response Smart	and Innovative Research (Journal of Emerging... Referred Journal Publication | Journal of Emerging Technologies	OPEN SOURCE
245	2023-24	ECE	Mr. Amit Kumar Singh	watch Library Silence Breaking Alarm System	and Innovative Research Referred Journal Publication | Journal of Emerging Technologies	OPEN SOURCE

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246	2023-24	ECE	Mr. Dharmesh Kumar	Frequency Control of Interlinked Microgrid System Using	and Innovative Research (Journal of Emerging... Referred Journal Publication | Electrica, 24(2), 532-541, 2024 /	OPEN SOURCE
247	2023-24	ECE	Mr. Diwakar Singh	Fractional Order Cont... IoT Based Ration Vending Machine	DOI: 10.5152/electrica.2024.23199 Referred Journal Publication | Journal of Emerging Technologies	OPEN SOURCE
248	2023-24	ECE	Mr. Navneet Kumar Pandey	Arduino Based Sewage Blockage Detector	and Innovative Research (Journal of Emerging... Referred Journal Publication | Journal of Emerging Technologies	OPEN SOURCE
249	2023-24	ECE	Mr. Rajeev Singh	Vehicle's Exhaust Smoke And Noise Detection	and Innovative Research (Journal of Emerging... Referred Journal Publication | Tijer - International Research	OPEN SOURCE
250	2023-24	ECE	Ms. Keerti Mishra	Waste Segregation mechanism in Smart Dustbin	Journal Referred Journal Publication | Tijer - International Research	OPEN SOURCE
67	2023-24	IT	Prof. (Dr.) Manuj Darbari	Advanced Computational Victimology: Development of	Journal Scopus Publication | Library Progress International, Volume 44,	OPEN SOURCE
68	2023-24	IT	Prof. (Dr.) Manuj Darbari	Sustainable Framework for ... Identification of Sustainability Issues in Current Legal System	No.3, 2024 Scopus Publication | Library Progress International, Volume 44,	OPEN SOURCE
69	2023-24	IT	Dr. Santosh Kumar Shukla	Using Quality... A Deep Learning and Powerful Computational Framework for	No.3, 2024 Scopus Publication | Journal of The Institution of Engineers (India)	OPEN SOURCE
251	2023-24	IT	Mr. Ankit Singh	Brain Cancer MRI Ima... Influences of Artificial intelligence on the evolution of coding	Series B 105(6)(Springer) Referred Journal Publication | International Research Journal of	OPEN SOURCE
70	2023-24	ME	Mr. Ankit Asthana	languages Design And Fabrication of Vortex Cooler with High Pressure	Engineering and Technology (International R... Scopus Publication | Challenges & Opportunities for Innovation in	OPEN SOURCE
252	2023-24	ME	Dr. Neha Gupta	Stream For Cooling... Assessment of a LM Procedure using the ISM & AHP models in	India/ Volume 7 Referred Journal Publication | The 2nd International Conference on	OPEN SOURCE
253	2023-24	ME	Dr. Neha Gupta	Indian MSMEs Lean Manufacturing Research Gaps: A Comprehensive Review Of	“Recent Advances in Materials, Manufactur... Referred Journal Publication | International Conference on	OPEN SOURCE
254	2023-24	ME	Mr. Ankit Asthana	Analysis of Mechanical Properties of Coir/Portland Pozzolana	Referred Journal Publication | International Journal of Advanced	OPEN SOURCE
77	2023-24	To be	Faculty Name to be confirmed	Reinforced Polym... Application of Multidimensional Analytics to Address the Current	and Applied Sciences, Volume 1, No. 2, pp. ... SCI Publication | Cahiers Magellanes -NS, Vol 6, No.	OPEN SOURCE
1	2022-23	AIML	Ms. Apoorva Srivastava	Gaps in the ... Intelligent Control of DC Microgrid Involving Multiple Renewables	2, 2024 SCI Journal Publication | Electrical power components and	OPEN SOURCE
27	2022-23	AIML	Ms. Apoorva Srivastava	for Fast Ch... Artificial Intelligence Based Fast DC Charging Control of Electric	systems/0(0) Scopus Publication | International Journal on Energy	OPEN SOURCE
134	2022-23	AIML	Mr. Ramesh Vaish	Vehicles i... Artificial Intelligence Based Music Tunesmith	Conversion/12 Referred Journal Publication | International Journal of Innovative	OPEN SOURCE
135	2022-23	AIML	Mr. Ramesh Vaish	Fake review detection system	Research in Engineering (IJIRE) Referred Journal Publication | International Journal of Innovative	OPEN SOURCE

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80	2022-23	ASH/H	Ms. Poonam	Beyond materialism:Spiritual Knowledge from the Srimad	Research in Engineering (IJIRE) UGC CARE Journal Publication | Mukt Shabd Journal/ Volume XIII	OPEN SOURCE
128	2022-23	U ASH/H	Dr. Anjali Awasthi	Bhagavad Gita to Impro... Artificial Intelligence-Driven Sentiment Analyzer	Referred Journal Publication | International Journal of Scientific	OPEN SOURCE
129	2022-23	U ASH/H	Dr. Anjali Awasthi	Facial Emotion Recognition	Research in Engineering and Management (I... Referred Journal Publication | International Journal for Research in	OPEN SOURCE
130	2022-23	U ASH/H	Mr. Vivek Narain	Fabrication of Pneumatic Jack	Applied Science & Engineering Technolog... Referred Journal Publication | International Journal of Scientific	OPEN SOURCE
131	2022-23	U ASH/H	Mr. Vivek Narain	Portable wood Lathe Machine	Research in Engineering and Management (I... Referred Journal Publication | International Journal of Scientific	OPEN SOURCE
132	2022-23	U ASH/H	Ms. Poonam	Value Education Ensures Happiness, Prosperity and Peace in	Research in Engineering and Management (I... Referred Journal Publication | International Journal of Novel	OPEN SOURCE
133	2022-23	U ASH/H	Ms. Poonam	Human Life Value Education: Foundations of Human Values and Ethics	Research and Development (IJNRD), Volume 7, Is... Referred Journal Publication | International Journal of Novel	OPEN SOURCE
28	2022-23	U CE	Dr. D.S. Ray	Evaluation of dynamic behavior of tire on concrete pavement: A	Research and Development (IJNRD) Scopus Publication | Mathematical Statistician and Engineering	OPEN SOURCE
29	2022-23	CE	Dr. D.S. Ray	case study of ... Minimise seepage loss through canal slope and bed by reducing permeability of...	Application "ISSN:2094-0343,2326,Pa... Scopus Publication | The Ciencia and Engenharia-Science and Engineering Journal, ISSN:0103-944X, V...	OPEN SOURCE
30	2022-23	CE	Dr. D.S. Ray	Minimize Seepage Loss Through Canal Slope and Bed by	Scopus Publication | The Ciência & Engenharia - Science &	OPEN SOURCE
31	2022-23	CE	Dr. D.S. Ray	Reducing Permeability of... Study of Textural Behaviour of Concrete Pavement: A Case Study	Engineering Journal, Volume 10 Issue 1, ... Scopus Publication | International Journal of Civil	OPEN SOURCE
32	2022-23	CE	Dr. D.S. Ray	of Yamuna Expr... Study of tire behavior on concrete pavement and bituminous	Structural,Environmental and infrastructure en... Scopus Publication | Annals of Forest Research	OPEN SOURCE
136	2022-23	CE	Dr. D.S. Ray	Pavement: A case s... Fire & Flood Induced Disaster Mitigation - All India Workshop	65(1)3479-3490,2022,ISSN:18448135:2065:2445 Referred Journal Publication | Institution of Engineers (India), Uttar	OPEN SOURCE
137	2022-23	CE	Dr. Supriya Phurailatpam	paper/proceedings Design, Analysis and Estimation of Foot Bridge on NH-27	Pradesh State Centre, Lucknow Referred Journal Publication | International Journal of Novel	OPEN SOURCE
138	2022-23	CE	Dr. Supriya Phurailatpam	Tiwariganj Modelling Plume Rise from an Industry by Using AERMOD: An Air	Research and Development (IJNRD), May 2023 Referred Journal Publication | International Journal of Novel	OPEN SOURCE
139	2022-23	CE	Mr. Ashish Verma	Quality Dispers... Review Paper on Planning, Design and Estimation of G+3 Building	Research and Development (IJNRD), May 2023 Referred Journal Publication | International Journal of Creative	OPEN SOURCE
140	2022-23	CE	Mr. Ashwani Kumar Pandey	in Uttardhouna Comparative analysis of T-Beam along with deck slab by	Research Thoughts (IJCRT), May 2023 Referred Journal Publication | Materials Today: Proceedings,	OPEN SOURCE

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No.	Session	Dept.	Faculty / Owner	Title / Details	Category / Source	Source
141	2022-23	CE	Mr. Mohit Choubey	Courbon's method and S... Analysis of Sugarcane Bagasse Ash for the Improvement in the	Volume 56 Part 4, 2022 Referred Journal Publication | International Journal of Creative	OPEN SOURCE
142	2022-23	CE	Mr. Navneet Singh Yadav	Properties of Bl... Cost Analysis and Comparison of RCC Retaining Wall with	Research Thoughts (IJCRT), April 2023 Referred Journal Publication | International Journal of Creative	OPEN SOURCE
143	2022-23	CE	Ms. Shruti Singh Bisen	Geogrid Retaining Wall Suggestive Method for Treatment of Waste Water Discharge from	Research Thoughts (IJCRT), April 2023 Referred Journal Publication | International Journal of Novel	OPEN SOURCE
33	2022-23	CSE	Dr. Anurag Tiwari	Balrampur Sugar... A Hybrid Feature Selection Method Using an Improved Binary	Research and Development (IJNRD), May 2023 Scopus Publication | IEEE Access	OPEN SOURCE
34	2022-23	CSE	Dr. Anurag Tiwari	Butterfly Optimiza... A Multiclass EEG Signal Classification Model Using Channel	Scopus Publication | Lecture Notes in Computer Science (including	OPEN SOURCE
35	2022-23	CSE	Dr. Anurag Tiwari	Interaction Maximi... A hybrid feature selection approach based on information theory	subseries Lecture Notes in Artif... Scopus Publication | Expert Systems with Applications	OPEN SOURCE
36	2022-23	CSE	Dr. Anurag Tiwari	and dynamic b... A logistic binary Jaya optimization-based channel selection scheme for motor-...	Scopus Publication | Expert Systems with Applications	OPEN SOURCE
37	2022-23	CSE	Dr. Anurag Tiwari	Automatic EEG channel selection for multiclass brain-computer	Scopus Publication | Multimedia Tools and Applications	OPEN SOURCE
38	2022-23	CSE	Dr. Anurag Tiwari	interface class... Automatic channel selection using multiobjective X-shaped binary	Scopus Publication | Expert Systems with Applications	OPEN SOURCE
39	2022-23	CSE	Dr. Anurag Tiwari	butterfly al... Higher-Order Dynamic Mode Decomposition and Multichannel	Scopus Publication | 2022 International Conference for	OPEN SOURCE
40	2022-23	CSE	Dr. Anurag Tiwari	Singular Spectrum De... Hybrid Lawyer Recommendation System Based on AGE-MOEA	Advancement in Technology, ICONAT 2022 Scopus Publication | IEEE International Conference on Distributed	OPEN SOURCE
41	2022-23	CSE	Dr. Anurag Tiwari	Intelligent Traffic Controller: A Smart Traffic Management System	Computing and Electrical Circuit... Scopus Publication | International Journal of Information	OPEN SOURCE
42	2022-23	CSE	Dr. Anurag Tiwari	Wilson's disease classification using higher-order Gabor tensors	Technology (Singapore), Scopus Publication | Multimedia Tools and Applications	OPEN SOURCE
43	2022-23	CSE	Dr. Diwakar Yagyasen	and various ... IC Design: An Approach of Study in Bio-Medical and mHealth Care	Scopus Publication | Advanced Research in Electronic Devices for	OPEN SOURCE
44	2022-23	CSE	Dr. Diwakar Yagyasen	Applications Methods of Implementation in an Electric Vehicle Conversion and	Biomedical and mHealth Scopus Publication | Evergreen	OPEN SOURCE
45	2022-23	CSE	Dr. Diwakar Yagyasen	Vehicle Contr... Predicting Resilience of Blood Groups Against COVID-19 Delta	Scopus Publication | Advanced Research in Electronic Devices for	OPEN SOURCE
46	2022-23	CSE	Dr. Manuj Darbari	Variant Using Ma... Analysis of Ambient Air Quality by Exploring LoRaWAN based	Biomedical and mHealth Scopus Publication | Proceedings of 3rd International Conference	OPEN SOURCE
47	2022-23	CSE	Dr. Manuj Darbari	Connectivity in Fo... Application of Activity Theory in Technology Law	on Intelligent Engineering and Ma... Scopus Publication | Economics of Cyber law and Cyber Security",	OPEN SOURCE

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No.	Session	Dept.	Faculty / Owner	Title / Details	Category / Source	Source
48	2022-23	CSE	Dr. Manuj Darbari	Fog Computing Paradigm with Internet of Things to Solve	Springer Nature Series -2022 Scopus Publication | Communications in Computer and Information	OPEN SOURCE
49	2022-23	CSE	Dr. Manuj Darbari	Challenges of Cloud w... The Challenges of Enforcing Cybercrime Laws in the Age of	Science, Scopus Publication | International Conference on Advances in	OPEN SOURCE
84	2022-23	CSE	Mr. Vineet Agarwal	E-Governance Artificial intelligence based Data Pruning using Regression for	Emerging Trends in Computer Applicati... Conference Publication | International Journal of Research and	OPEN SOURCE
144	2022-23	CSE	Dr. Anurag Tiwari	Smart Apriori... A Research on flight fare prediction using ML algorithm random forest	Development in Applied Science and Engi... Referred Journal Publication | 2023 Sixth International Conference on Computational Intelligence and Communi...	OPEN SOURCE
145	2022-23	CSE	Dr. Anurag Tiwari	A stochastic approach to detect malicious traffic in network	Referred Journal Publication | Publication / conference acceptance	OPEN SOURCE
146	2022-23	CSE	Dr. Anurag Tiwari	Hand Gesture Controlled Movable Pick and Place Robot	status awaited Referred Journal Publication | International Conference on Data	OPEN SOURCE
147	2022-23	CSE	Dr. Diwakar Yagyasen	Drowsiness detection system using machine learning	Science and Applications (ICDSA 2023) Referred Journal Publication | International Journal of Scientific	OPEN SOURCE
148	2022-23	CSE	Dr. Diwakar Yagyasen	Recent Advancements in Customer Data Analytics: A	Development and Research Referred Journal Publication | International conference on	OPEN SOURCE
149	2022-23	CSE	Dr. Manuj Darbari	Comprehensive Survey of Tec... Byte Academy - coder hub	contemporary engineering and technology Referred Journal Publication | International Journal for Research in	OPEN SOURCE
150	2022-23	CSE	Dr. Manuj Darbari	Measuring the effects of TQM and TPM implementation on the	Applied Science & Engineering Technolog... Referred Journal Publication | International Journal of Quality	OPEN SOURCE
151	2022-23	CSE	Dr. Manuj Darbari	performance of the... Real time Sign Language Detection system with voice over	Engineering and Technology, 2023, 9(4), pp. ... Referred Journal Publication | International Journal of Research	OPEN SOURCE
152	2022-23	CSE	Dr. Ram Bhushan	Creating intuitive teaching methods for advanced mathematics	and Analytical Reviews (IJRAR) Referred Journal Publication | International Conference on Neural	OPEN SOURCE
153	2022-23	CSE	Mr. Amit Kumar Sachan	education: origi... Skin Diseases Detection using image processing	Information Processing, Referred Journal Publication | International Research Journal of	OPEN SOURCE
154	2022-23	CSE	Mr. Amit Kumar Sachan	Stock Prediction Using Financial News and Natural Language	Modernization in Engineering Technology and... Referred Journal Publication | International Journal of Research	OPEN SOURCE
155	2022-23	CSE	Mr. Anil Kumar Pandey	Understanding Artificial Intelligence Based Recruitment Tool	and Analytical Reviews (IJRAR) Referred Journal Publication | International Journal for Research in	OPEN SOURCE
156	2022-23	CSE	Mr. Anil Kumar Pandey	Augmented Reality Quiz using OpenCV and Gesture Recognition	Applied Science & Engineering Technolog... Referred Journal Publication | International Journal of novel	OPEN SOURCE
157	2022-23	CSE	Mr. Anil Kumar Pandey	Gesture Recognition (Sign Language Prediction)	research and development (ijnrd) Referred Journal Publication | International Research Journal of	OPEN SOURCE

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No.	Session	Dept.	Faculty / Owner	Title / Details	Category / Source	Source
158	2022-23	CSE	Mr. Ankit Khare	Abhidan: A Digital Knowledge and Language Processing System	Modernization in Engineering Technology and... Referred Journal Publication | International Research Journal of	OPEN SOURCE
159	2022-23	CSE	Mr. Ankit Khare	Student live behaviour monitoring during virtual classes using AI	Modernization in Engineering Technology & S... Referred Journal Publication | International Journal of scientific	OPEN SOURCE
160	2022-23	CSE	Mr. Ankur Srivastava	Flight Fare Prediction using Random Forest Regression	research in engineering and management. Referred Journal Publication | International Journal of Scientific	OPEN SOURCE
161	2022-23	CSE	Mr. Ankur Srivastava	Zero-Knowledge OAuth Authentication Framework	Referred Journal Publication | International Journal of Research	OPEN SOURCE
162	2022-23	CSE	Mr. Anurag Shukla	Speech recognition security system	and Analytical Reviews (IJRAR) Referred Journal Publication | International Journal of Research	OPEN SOURCE
163	2022-23	CSE	Mr. Anurag Shukla	Touchless Security: A Contactless Authentication and Surveillance	and Analytical Reviews (IJRAR) Referred Journal Publication | International Research Journal of	OPEN SOURCE
164	2022-23	CSE	Mr. Gyanendra Kumar	System Music Genre Classification and recommendation system	Modernization in Engineering Technology and... Referred Journal Publication | International Research Journal of	OPEN SOURCE
165	2022-23	CSE	Mr. Kamlesh Kumar	Analysis on HealthyMe Fitness Application	Modernization in Engineering Technology and... Referred Journal Publication | International Research Journal of	OPEN SOURCE
166	2022-23	CSE	Mr. Kamlesh Kumar	Auto-Blogger: An Automated Blogging and Content Generation	Modernization in Engineering Technology and... Referred Journal Publication | International Journal of Scientific	OPEN SOURCE
167	2022-23	CSE	Mr. Rudrendra Bahadur Singh	System Blockchain Enabled KYC Solution	Research in Engineering and Management Referred Journal Publication | International Journal of Research	OPEN SOURCE
168	2022-23	CSE	Mr. Rudrendra Bahadur Singh	Diabetes mellitus prediction using machine learning	and Analytical Reviews (IJRAR) Referred Journal Publication | International Journal for Research in	OPEN SOURCE
169	2022-23	CSE	Mr. Rudrendra Bahadur Singh	Serverless Computing and Infrastructure as Code	Applied Science & Engineering Technolog... Referred Journal Publication | International Journal for Research in	OPEN SOURCE
170	2022-23	CSE	Mr. Sandeep Kumar Mishra	Chili Leaf Disease Prediction using CNN	Applied Science & Engineering Technolog... Referred Journal Publication | International Journal for Research in	OPEN SOURCE
171	2022-23	CSE	Mr. Sandeep Kumar Mishra	Research paper on Detection of fake news using naive bayes and	Applied Science & Engineering Technolog... Referred Journal Publication | International research journal of	OPEN SOURCE
172	2022-23	CSE	Mr. Satish Singh Verma	passive agress... Twitter data radicalization using sentiment analysis techniques	modernisation of technology and science Referred Journal Publication | International Journal of research	OPEN SOURCE
173	2022-23	CSE	Mr. Saurabh Kumar Jain	Methodology Analysis for web application development using	publications and reviews Referred Journal Publication | International Journal of Research	OPEN SOURCE
174	2022-23	CSE	Mr. Saurabh Kumar Jain	MERN Vehicle owner information using number plate detection	and Analytical Reviews (IJRAR) Referred Journal Publication | International Journal of Research	OPEN SOURCE
175	2022-23	CSE	Mr. Shashank Singh	Medshop: An Online Pharmacy Application Using Salesforce	and Analytical Reviews (IJRAR) Referred Journal Publication | International Journal of Novel	OPEN SOURCE

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No.	Session	Dept.	Faculty / Owner	Title / Details	Category / Source	Source
176	2022-23	CSE	Mr. Shashank Singh	Segmentation of Microscopy images using Multi-Scale Retinex	Research and Development (IJNRD) Referred Journal Publication | Journal of Artificial Intelligence and	OPEN SOURCE
177	2022-23	CSE	Mr. Shekhar Srivastava	Specialized Telemedicine (STEM): A Digital Healthcare	Referred Journal Publication | International Research Journal of	OPEN SOURCE
178	2022-23	CSE	Mr. Shivam Dixit	Consultation System CliniNet: An Online Portal for all Healthcare Services	Modernization in Engineering Technology and... Referred Journal Publication | International Journal for Research in	OPEN SOURCE
179	2022-23	CSE	Mr. Shivam Dixit	Management of teaching and learning resources application	Applied Science & Engineering Technolog... Referred Journal Publication | International Journal for Research in	OPEN SOURCE
180	2022-23	CSE	Mr. Vinayak	Predicting Real Estate Price Using Linear Regression	Applied Science & Engineering Technolog... Referred Journal Publication | International Journal of Innovative	OPEN SOURCE
181	2022-23	CSE	Mr. Vinayak	Prediction of Malignancy in lung nodule at early stage	Research in Engineering Referred Journal Publication | International Journal of Research	OPEN SOURCE
182	2022-23	CSE	Mr. Vinayak	Web Traffic Analytical Application	and Analytical Reviews Referred Journal Publication | International Journal of Scientific	OPEN SOURCE
183	2022-23	CSE	Mr. Vineet Agarwal	An Approach to Predict House Price Using Machine Learning	Research in Engineering and Management Referred Journal Publication | International Journal of Research	OPEN SOURCE
184	2022-23	CSE	Mr. Vineet Agarwal	Fruit Quality Inspection and selling system using Artificial Neural	Publication and 4Reviews Referred Journal Publication | International Research Journal of	OPEN SOURCE
185	2022-23	CSE	Mr. Vineet Agarwal	network A... Fruit quality inspection and selling system	Modernization in Engineering Technology and... Referred Journal Publication | International Research Journal of	OPEN SOURCE
186	2022-23	CSE	Mrs. Shubha Mishra	Diabetes Prediction by Classification Using Machine Learning and	Modernization in Engineering Technology and... Referred Journal Publication | International Journal of Novel	OPEN SOURCE
187	2022-23	CSE	Mrs. Smiley Gandhi	Deep Learnin... Multiple disease detection using machine learning	Research and Development (IJNRD) Referred Journal Publication | International Journal of Scientific	OPEN SOURCE
188	2022-23	CSE	Ms. Anika Bisht	A web based system for mood detection and personalized	Research in Engineering and Management (I... Referred Journal Publication | International Research Journal of	OPEN SOURCE
189	2022-23	CSE	Ms. Anika Bisht	recommendation support... Electronic Procurement Platform: A Web-Based E-Procurement	Modernization in Engineering Technology and... Referred Journal Publication | International Research Journal of	OPEN SOURCE
190	2022-23	CSE	Ms. Anika Bisht	System Intrusion Detection System for IoT Networks: A Random Forest	Modernization in Engineering Technology and... Referred Journal Publication | International Journal of research and	OPEN SOURCE
191	2022-23	CSE	Ms. Dipti Ranjan	Model Approach A comprehensive review of next-gen cloud security: everaging big	analytical reviews Referred Journal Publication | International Research Journal of	OPEN SOURCE
192	2022-23	CSE	Ms. Dipti Ranjan	data and adv... Advancements In Brain Tumor Detection: A Comprehensive	Engineering and TechnologyS volume 6 issue ... Referred Journal Publication | International Journal of Creative	OPEN SOURCE
193	2022-23	CSE	Ms. Dipti Ranjan	Asessing the effectiveness and performance.of an integrated web	Referred Journal Publication | International Research Journal of	OPEN SOURCE

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194	2022-23	CSE	Ms. Dipti Ranjan	services fram... Continuous monitoring and tracing of objects in real-time for	Engineering and Technology VOLUME 11 ISSUES... Referred Journal Publication | International Research Journal of	OPEN SOURCE
195	2022-23	CSE	Ms. Dipti Ranjan	detection Facilitating automated data transference via soa paradigms for	Engineering and Technology VOLUME 11 ISSUES... Referred Journal Publication | International Research Journal of	OPEN SOURCE
196	2022-23	CSE	Ms. Dipti Ranjan	seamless integ... Future of Artificial intelligence and machine learning in automotive	Engineering and Technology VOLUME 11 ISSUES... Referred Journal Publication | International Research Journal of	OPEN SOURCE
197	2022-23	CSE	Ms. Dipti Ranjan	industry Influence of artificial intelligence on the evolution of coding	Engineering and Technology VOLUME 11 ISSUES... Referred Journal Publication | International Research Journal of	OPEN SOURCE
198	2022-23	CSE	Ms. Madhulika Sharma	language Image Caption Genrator Using VGG-16	Engineering and Technology VOLUME 11 ISSUES... Referred Journal Publication | International Research Journal of	OPEN SOURCE
199	2022-23	CSE	Ms. Neha Chauhan	Adaption of Best Methodology by Comparing Different Algorithm to	Modernization in Engineering Technology and... Referred Journal Publication | Referred Journal	OPEN SOURCE
200	2022-23	CSE	Ms. Neha Chauhan	Detect Parki... Digitalization of Hospitals: A Smart Healthcare Management	Referred Journal Publication | International Research Journal of	OPEN SOURCE
201	2022-23	CSE	Ms. Neha Chauhan	Framework Super Image Resolution Using Deep Learning Techniques	Modernization in Engineering Technology and... Referred Journal Publication | International Journal of Novel	OPEN SOURCE
202	2022-23	CSE	Ms. Padmini Mishra	Content Generation Using AI	Research and Development Referred Journal Publication | International Research Journal of	OPEN SOURCE
203	2022-23	CSE	Ms. Padmini Mishra	Helmet and license plate dectection	Modernization in Engineering Technology and... Referred Journal Publication | Journal of Emerging Technologies	OPEN SOURCE
204	2022-23	CSE	Ms. Raziya Siddiqui	A Fuzzy TOPSIS based Analysis to Prioritize Enabling Factors for	and Innovative Research (Journal of Emerging... Referred Journal Publication | Referred Journal	OPEN SOURCE
205	2022-23	CSE	Ms. Sakshi Singh	Strategic In... Framework for Minimizing Threats through Text Encryption using	Referred Journal Publication | International Journal of Research	OPEN SOURCE
206	2022-23	CSE	Ms. Sakshi Singh	ECC RESEARCH ARTICLE DESCRIBING THE MODEL FOR	and Analytical Reviews Referred Journal Publication | International Research Journal of	OPEN SOURCE
207	2022-23	CSE	Ms. Smiley Gandhi	PREDICTING BREAST CANCER Visual Discovery Engine: An Image-Based Search and Retrieval	Modernization in Engineering Technology and... Referred Journal Publication | International Journal for Research in	OPEN SOURCE
208	2022-23	CSE	Ms. Vandana Tripathi	System Sentiment Analysis of Movie Review using Ensemble Model	Applied Science & Engineering Technolog... Referred Journal Publication | International Research Journal of	OPEN SOURCE
209	2022-23	CSE	Ms. Vandana tripathi	Fraud Detection using Isolation Forest Algorithm in Credit Card	Referred Journal Publication | International Journal of Research	OPEN SOURCE
2	2022-23	ECE	Dr. Rupali Agarwal	Performance of multi-antenna relay based cooperative spectrum	and Analytical Reviews SCI Journal Publication | International Journal of Electronics	OPEN SOURCE
85	2022-23	ECE	Dr. Rupali Agarwal	sensing in cogn... Gesticulated Robotic Arm: A Gesture-Controlled Robotic Arm	Letters Conference Publication | IETE Zonal seminar on “Data Science,	OPEN SOURCE

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211	2022-23	ECE	Dr. Abhimanyu Kumar Yadav	System A Smart stretcher with integrated medical intelligence system	Communication and Information Security" Referred Journal Publication | Tijer - International Research	OPEN SOURCE
212	2022-23	ECE	Dr. Abhimanyu Yadav	Smart Bin Using IoT	Journal Referred Journal Publication | Journal of Emerging Technologies	OPEN SOURCE
213	2022-23	ECE	Dr. Rupali Agarwal	Smart Wearable for Rescuers/ Victims	and Innovative research Referred Journal Publication | Journal of Emerging Technologies	OPEN SOURCE
214	2022-23	ECE	Dr. Shailendra Tahilyani	Solar Panel Cleaning Robot for Residential Applications	and Innovative Research Referred Journal Publication | Tijer - International Research	OPEN SOURCE
215	2022-23	ECE	Dr. Shailendra Tahilyani	Speed Limiting and Control of Vehicle in Restricted Zone	Journal Referred Journal Publication | International Journal for Research in	OPEN SOURCE
216	2022-23	ECE	Mr. Amit Kumar Singh	Automatically Speaking System for Dumb People Using Hand Gesture	Applied Science & Engineering Technolog... Referred Journal Publication | International Journal of Innovative	OPEN SOURCE
217	2022-23	ECE	Mr. Dharmesh Kumar	Smart Cities Through IOTs	Research in Engineering Referred Journal Publication | International Journal for Research in	OPEN SOURCE
218	2022-23	ECE	Mr. Dharmesh Kumar	Smart Sewage System: An IoT-Based Sewage Monitoring and	Applied Science & Engineering Technology Referred Journal Publication | International Journal for Research in	OPEN SOURCE
219	2022-23	ECE	Mr. Diwakar Singh	Management System IoT Based Circuit Breaker	Applied Science & Engineering Technolog... Referred Journal Publication | Journal of Emerging Technologies	OPEN SOURCE
220	2022-23	ECE	Mr. Kishan Kumar	Detection system of an electric meter for a household	and Innovative Research (Journal of Emerging... Referred Journal Publication | International Journal of Creative	OPEN SOURCE
221	2022-23	ECE	Mr. Kishan Kumar	Landmine Detector Robotic Vehicle	Research Thoughts (IJCRT) Referred Journal Publication | International Journal For	OPEN SOURCE
222	2022-23	ECE	Mr. Kishan Kumar	Smart Energy Meter Using Arduino and WIFI Module	Multidisciplinary Research Referred Journal Publication | International Journal for Scientific	OPEN SOURCE
223	2022-23	ECE	Mr. Navneet Kumar Pandey	Intrusion Detection and Prevention for Agricultural Land	Research & Development Referred Journal Publication | Journal of Emerging Technologies	OPEN SOURCE
224	2022-23	ECE	Mr. Navneet Pandey	Water Quality Management using IOT	Referred Journal Publication | Journal of Emerging Technologies	OPEN SOURCE
225	2022-23	ECE	Mr. Pankaj Verma	IOT based person/wheelchair fall detection system	and Innovative research Referred Journal Publication | Journal of Emerging Technologies	OPEN SOURCE
226	2022-23	ECE	Mr. Pankaj Verma	Smart Helmet with sensor	and Innovative Research (ISSN : 2349-5162), ... Referred Journal Publication | Journal of Emerging Technologies	OPEN SOURCE
227	2022-23	ECE	Mr. Rajeev Singh	Home Automation and Security System Using ESP32	and Innovative Research (Journal of Emerging... Referred Journal Publication | Tijer - International Research	OPEN SOURCE
228	2022-23	ECE	Mr. Rajeev Singh	Vehicle Exhaust smoke and Noise Detection with Location	Journal Referred Journal Publication | TIJER - International Research	OPEN SOURCE

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229	2022-23	ECE	Mr. Ravi Shankar	Tracking Hybrid Technology for Military Communication	Journal Referred Journal Publication | Journal of Emerging Technologies	OPEN SOURCE
230	2022-23	ECE	Mr. Ravi Shankar	Vehicle To Vehicle Communication Using Li-Fi Technology	and Innovative Research(Journal of Emerging ... Referred Journal Publication | International Journal of Advances in	OPEN SOURCE
231	2022-23	ECE	Ms. Keerti Mishra	Corona Robot Using Arduino and Esp8266 Wi-Fi Module	Engineering and Management (IJAEM) Referred Journal Publication | International Journal of All Research	OPEN SOURCE
232	2022-23	ECE	Ms. Keerti Mishra	Gsm Crash Protego Using Arduino	Education and Scientific Methods Referred Journal Publication | Tijer - International Research	OPEN SOURCE
233	2022-23	ECE	Ms. Ravi Shankar	Agriculture Pesticides Spraying Drone	Journal Referred Journal Publication | Journal of Emerging Technologies	OPEN SOURCE
210	2022-23	EE	Mr. Anil Singh Rathore	GPS and GSM based Guiding System For Blind Person	and Innovative Research (Journal of Emerging... Referred Journal Publication | International Research Journal of	OPEN SOURCE
3	2022-23	IT	Dr. Santosh Kumar Shukla	Local-Moment-Driven Robust Reversible Data Hiding	Modernization In Engineering Technology And... SCI Journal Publication | Applied Sciences (Multidisciplinary Digital	OPEN SOURCE
50	2022-23	IT	Ms. Mahendra Kumar	Prediction of Air Quality for Sustainability Environment using Big	Publishing Institute), Volume 12,... Scopus Publication | Computer Integrated Manufacturing Systems	OPEN SOURCE
81	2022-23	IT	Prof. (Dr.) Manuj Darbari	Data Minin... A Exhaustive Review of Advancement in Technology and current	UGC CARE Journal Publication |	OPEN SOURCE
82	2022-23	IT	Ms. Nida Hasib	Legal Framework ... Review of Facial Recognition Techniques	UGC CARE Journal Publication | International Journal for	OPEN SOURCE
234	2022-23	IT	Ms. Yamini Yadav	Smart Public Transport Tracking and Parking Slot Detection	Research in Applied Science & Engineering Technolog... Referred Journal Publication | Journal of Emerging Technologies	OPEN SOURCE
4	2022-23	ME	Dr. Shailendra Singh	Development and Mechanical Properties Evaluation of	SCI Journal Publication | Case Studies in Construction Materials	OPEN SOURCE
51	2022-23	ME	Chauhan Dr. Neha Gupta	Environmentally Sustainab... Implementation of Lean Manufacturing for SMEs in Uttar Pradesh:	Scopus Publication | Eur. Chem. Bull., October, 2022, 11 (Regular	OPEN SOURCE
52	2022-23	ME	Dr. Neha Gupta	A Sectorial A... Interactions of Lean Enablers in Manufacturing SMEs Using an	Issue 11), pp.1778-1794, ISSN: 2... Scopus Publication | International Journal of Mechanical	OPEN SOURCE
53	2022-23	ME	Dr. Neha Gupta	Analytical Hiera... SWOT Analysis for Lean Manufacturing Strategic &	Engineering, Volume 7 No. 12, December, 2... Scopus Publication | International Journal of Mechanical	OPEN SOURCE
54	2022-23	ME	Dr. Shailendra Singh	Implementation Issues in Sma... Converting gasoline vehicle into an electric vehicle (EV)-A review	Engineering, Volume 7 No. 11, November, 2... Scopus Publication | Materials Today: Proceedings	OPEN SOURCE
55	2022-23	ME	Chauhan Dr. Shailendra Singh	Review paper on thermal expansion and tribological behaviour of	Scopus Publication | Materials Today: Proceedings	OPEN SOURCE
56	2022-23	ME	Chauhan Dr. Shailendra Singh	composite mat... Sawdust-Reinforced Glass Fiber Epoxy-Based Composite:	Scopus Publication | Journal of The Institution of Engineers (India):	OPEN SOURCE

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57	2022-23	ME	Chauhan Mr. Ankit Asthana	Fabrication and Analysi... A Interpretive structural modeling approach to lean manufacturing	Series D Scopus Publication | International Journal of mechanical	OPEN SOURCE
58	2022-23	ME	Mr. Ankit Asthana	obstacles Analysis of mechanical strength and YoungIs modulus of	Engineering/ Vol 7(5) Scopus Publication | Advances in Materials and Processing	OPEN SOURCE
59	2022-23	ME	Mr. Ankit Asthana	ultrasonically functio... Mechanical behavior of silk/hemp/steel wool - Epoxy composite	Technologies, Volume- 7 (2) Scopus Publication | ElsevierIs-Materials Today, Volume - 44 (P1)	OPEN SOURCE
60	2022-23	ME	Ms. Jyoti Singh	A concise review of optimization potentials on working fluids used	Scopus Publication | European Chemical Bulletin	OPEN SOURCE
61	2022-23	ME	Ms. Jyoti Singh	in power c... Effect of design conditions on reheat gas turbine combined cycle power using ...	Scopus Publication | European chemical bulletin (ECB)	OPEN SOURCE

PATENTS / DESIGNS

80 institutional records

No.	Session	Dept.	Inventor / Owner	Patent / Design Title	Application / Status	Source
419	2025-26	ASH/HU	Dr. Uday Shankar	Design Application	Design Application No. 465337-001 | Published	OPEN SOURCE
421	2025-26	CSE	Dr. Sangeeta Mishra	AI-powered personalized learning platform	202511027359 | Published	OPEN SOURCE
422	2025-26	CSE	Dr. Sangeeta Mishra	Computer Peripheral Device with Display Screen	UK Design Registration No. 6511860 | Published	OPEN SOURCE
423	2025-26	CSE	Ms. Amrita Mishra	AI BASED USB DEVICE FOR MANAGING MULTIPLE SMART DEVICES	458511-001 | Published	OPEN SOURCE
424	2025-26	CSE	Ms. Amrita Mishra	Machine Learning based Cyber Security Detecting Device for Wireless Networks	464296-001 | Published	OPEN SOURCE
425	2025-26	CSE	Ms. Amrita Mishra	AI based USB device for managing multiple smart devices	458511-001 | Published	OPEN SOURCE
426	2025-26	CSE	Ms. Amrita Mishra	Machine Learning based Cyber Security Detecting Device for Wireless Networks	464296-001 | Published	OPEN SOURCE
427	2025-26	CSE	Ms. Archana Dwivedi	Crop Monitoring Sensor	6424450(Design Number) | Published	OPEN SOURCE
428	2025-26	CSE	Ms. Archana Dwivedi	Serverless Cloud Computing Architecture for High-Performance AI Processing	202541035287 A | Published	OPEN SOURCE
420	2025-26	EE	Dr. Apoorva Srivastava; Mr. Kishan Kumar; Mr. Priyank Srivastava; Mr. Diwakar Singh	Fast Charging Pole Using Wind and Solar Energy	Design No. 463549-001 | Registered	OPEN SOURCE
429	2025-26	EE	Prof. Shivanand; Prof. Rafik Ahmad; Mr. Shahab Ahmad	Vacuum Cleaning Robot	458927-001 | Registered	OPEN SOURCE
436	2025-26	EE	Prof. Rafik Ahmad; Prof. Shivanand	Smart Wheelchair with Health Monitoring	| Registered	OPEN SOURCE
437	2025-26	EE	Prof. Rafik Ahmad; Prof. Fazlur Rahman	Compact Bottle Filling Machine	| Registered	OPEN SOURCE
430	2025-26	IT	Dr. Santosh Kumar Shukla	AI-powered detection sensors monitoring system	462818-001 | Published	OPEN SOURCE
431	2025-26	IT	Mr. Ankit Singh	Product Based Customers Sentiment Analysis Device	6832415 | Published	OPEN SOURCE
432	2025-26	IT	Mr. Manish Singh	AI based smart concierge device	444278001 | Published	OPEN SOURCE

PATENTS / DESIGNS

80 institutional records

No.	Session	Dept.	Inventor / Owner	Patent / Design Title	Application / Status	Source
433	2025-26	ME	Dr. Zakir Hussain	Hybrid Internal Combustion Engine	UK Design Registration No. 6433081 | Granted	OPEN SOURCE
434	2025-26	ME	Dr. Neha Gupta	Solar-Assisted Personal Mobility Electric Vehicle with Idle-State Energy Harvesting and Mode-Based Energy Management	| Published	OPEN SOURCE
435	2025-26	ME	Dr. Neha Gupta	System for Autonomous Stabilization and Collision Mitigation in a Two-Wheeled Vehicle	Application No. 202511078320 A | Published	OPEN SOURCE
394	2024-25	AIML	Dr. Mohit Gangwar, Rudrendra Bahadur Singh, Surya Vikram Singh, Rohit Srivastava, Himanshu Kumar Shukla, Etc	IoT enabled healthcare management system for the remote monitoring of a patient to intelligently care	202111038768A | Published	OPEN SOURCE
395	2024-25	AIML	Mr. Rafik Ahmad	Apparatus for dispensing sanitary napkins	202411031989 | Published	OPEN SOURCE
396	2024-25	AIML	Ms. Apoorva Srivastava	Model Predictive Control System for Power Sharing in Hybrid AC/DCMicro-Grid and its method thereof	550514 | Granted	OPEN SOURCE
391	2024-25	ASH/HU	Dr. Ranjana Shukla	NanoStructured Liposomes for Enhanced Delivery of Paclitaxel in Cancer	202411023771 A | Published	OPEN SOURCE
392	2024-25	ASH/HU	Mr. Shahab Ahmad	System for Monitoring and filtering vehicular emissions	202411046950 | Published	OPEN SOURCE
393	2024-25	ASH/HU	Mr. Shushant Shukla	A Method for solving Linear Equations with Visual and Kinesthetic Learning	202411038829 | Published	OPEN SOURCE
397	2024-25	CE	Prof.(Dr.) D.S. Ray, Mr. Abhay Yadav	Use of Sugarcane Bagasse Ash for Brick Making	202511042956A | Published	OPEN SOURCE
398	2024-25	CSE	Diwakar Yagyasen	Automatic human personality detection system using machine learning	202111028620 A | Published	OPEN SOURCE
399	2024-25	CSE	Dr. Ram Bhushan	Artificial Intelligence Technology Based on EEG Signals for Monitoring the Online Education Industry	201721007292 | Published	OPEN SOURCE
400	2024-25	CSE	Dr. Ram Bhushan	Fl heed fuzzy logic based heed protocol for wireless sensor networks, cope	UK Design Registration No. 6433081 | Published	OPEN SOURCE
401	2024-25	CSE	Mr. Amit Kr. Sachan	Finance forecasting AI- device	442095-001 | Published	OPEN SOURCE
402	2024-25	CSE	Mr. Singh, Yashpal; Dwivedi, Anurag; Sharma, Anuj Kumar; Agrawal, Amit; Singh, Anand; Singh	IoT based intelligent device more than one parking available notification using RFID	2021102038 | Published	OPEN SOURCE

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No.	Session	Dept.	Inventor / Owner	Patent / Design Title	Application / Status	Source
403	2024-25	CSE	Ms. Priyanka Gupta	AI-powered digital grading pen	423516-001 | Published	OPEN SOURCE
404	2024-25	DS	Dr. Neha Pandey	Analysis of how Online video sharing and Social Media Plateform develop the Online E- Commerece Business	202411030788 A | Published	OPEN SOURCE
405	2024-25	DS	Mr. Om Awasthi	Compost Machine: Organic Waste Composting System	418182001 | Published	OPEN SOURCE
406	2024-25	ECE	Dr. Shailendra Singh Chauhan	Underactuated Finger Mechanism for a Mechanical Hand	202411043500 | Published	OPEN SOURCE
407	2024-25	ECE	Mr. Dharmesh Kumar	Plant Disease detection using Image processing techniques	202141047291 | Published	OPEN SOURCE
408	2024-25	IT	Dr. Santosh Kumar Shukla	AI based intruder identification	404638-001 | Published	OPEN SOURCE
409	2024-25	ME	Dr. Mohit Gangwar, Rohit Srivastava, Himanshu Kumar Shukla, Chandrabhan Singh, Rohit, Dr. Sapna	Machine Learning Based Method For optimization of mobile health services and medical resources in rural and remote areas	201921040631 | Published	OPEN SOURCE
410	2024-25	ME	Dr. Neha Gupta	Concentrated Solar Power (CSP)System	202411043501 | Published	OPEN SOURCE
411	2024-25	ME	Dr. Shailendra Singh Chauhan	Systems and methods for detection and notification of earthquake	202011027395 | Published	OPEN SOURCE
412	2024-25	ME	Dr. Shailendra Singh Chauhan	Systems and methods for recycling of plastic waste to manufacture an object	202111008148 | Published	OPEN SOURCE
413	2024-25	ME	Dr. Shailendra Singh Chauhan, Dr. Nagendra Kumar Maurya	Development of glass fiber epoxy/ saw dust composite and evaluation of their mechanical properties	202011027394 | Published	OPEN SOURCE
414	2024-25	ME	Dr. Shailendra Singh Chauhan and Dr. A. K. Khare	Academic Competency and Commitment Based Self-Assessment by Institutions Seeking Ranking in NIRF	202111040595 | Published	OPEN SOURCE
415	2024-25	ME	Dr. Tarun Kumar Gupta, Dr. Shailendra Singh Chauhan, Sandeep Chauhan	Shoulder heating pad	202111012052 | Published	OPEN SOURCE
416	2024-25	ME	Mr. Mohit Gangwar	: internet of things (IoT) enabled healthcare management system for the remote monitoring of a patient to intelligently care	202111038768 A | Published	OPEN SOURCE
417	2024-25	ME	Mr. Mohit Gangwar	Internet of Things Enabled Healthcare Management System for the Remote Monitoring of a Patient to Intelligently care	202111038768A | Published	OPEN SOURCE

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No.	Session	Dept.	Inventor / Owner	Patent / Design Title	Application / Status	Source
418	2024-25	ME	Mr. Mohit Gangwar	Machine learning based method for optimization of mobile health services and medical resources in rural and remote area	201921040631 A | Published	OPEN SOURCE
382	2023-24	ASH/HU	Mr. Achman Mishra	Analysis of library management automation system through RFID integrated with IoT techniques	202341026969 A | Published	OPEN SOURCE
383	2023-24	CE	Prof.(Dr.) D.S. Ray, Mr. Abhay Yadav	Method of Construction of sidewalk Pavement Using Environmentally Friendly Binder Composition	202411020278A | Published	OPEN SOURCE
384	2023-24	CSE	Dr. Anurag Tiwari, Dr. Manuj Darbari	Social media based framework for community mobilisation during and post pandemic	202031046235 | Published	OPEN SOURCE
387	2023-24	ECE	Dr. Shailendra Tahilyani	Electronics Commerce Supply Chain Management System for Decorative Materials using Machine Learning	202022106961 | Published	OPEN SOURCE
385	2023-24	EE	Mr. Rafeek Ahmad	Crowd Counting Drone	202311029245 | Published	OPEN SOURCE
386	2023-24	EE	Mr. Rafeek Ahmad	Hybrid Electric Smart Pole	387453001 | Granted	OPEN SOURCE
388	2023-24	ME	Dr. Neha Gupta	AI Based Multifunctional Industrial Robotic Hand	368974-001 | Published	OPEN SOURCE
389	2023-24	ME	Dr. Neha Gupta	Solar powered and battery swappable electric kart	202311034820 | Published	OPEN SOURCE
390	2023-24	ME	Mr. Naveen Prakash	Method and system to identify an optimal crop for a land	202111059113 | Published	OPEN SOURCE
360	2022-23	AIML	Ms. Apoorva Srivastava	A System for Controlling Multiple Renewable Energy Sources to Share Energy in...	202022102389 | Granted	OPEN SOURCE
361	2022-23	AIML	Ms. Apoorva Srivastava	Machine Learning & IoT Based Renewable Energy in Smart Grids	202221032625 | Published	OPEN SOURCE
362	2022-23	AIML	Ms. Apoorva Srivastava	Machine learning and IoT based Renewable energy systems in smart grid	202221032625 | Published	OPEN SOURCE
358	2022-23	ASH/HU	Dr. Manisha Shukla	Novel organoarsenic as antimicrobial and its synthesis thereof	202211033611A | Published	OPEN SOURCE
359	2022-23	ASH/HU	Mr. Kamleshwar Dhar Dwivedi	Solar powered water surface cleaning robot	202211030200A | Published	OPEN SOURCE

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No.	Session	Dept.	Inventor / Owner	Patent / Design Title	Application / Status	Source
363	2022-23	CE	Dr. Supriya Phurailatpum, Mr. Abhay Yadav, Mrs. Shruti Singh Bisen, Mr. Ashish Verma, Mr. Mohit Choubey	Analyze the Processes of Composition to Sustainably Substitute Natural Sand in Concrete	202311064037A | Published	OPEN SOURCE
364	2022-23	CE	Mr. Abhay Yadav	Construction of Eco-Friendly Buildings	202211039111A | Published	OPEN SOURCE
365	2022-23	CSE	Dr. Anurag Tiwari	Hybrid Lawer Recommendation system based on Age- Moea	202231003110 | Published	OPEN SOURCE
366	2022-23	CSE	Mr. Anurag Shukla	A Block chain based system provided for automated certificate revocation for 5G IOTand method thereof	202211049044 | Published	OPEN SOURCE
367	2022-23	CSE	Mr. Anurag Shukla	A System for providing smart contracts and consumer relations and repercussions of block chain technology and consumer protection and method thereof	202211066485 | Published	OPEN SOURCE
368	2022-23	CSE	Mr. Divyanshu Sinha,Sujeet Singh Bhadouria, Pradeep Kumar Bhatia, Dr. Anusha Preetham, Dr. Pooja Nayak...	Intelligent IoT device for automating fingerprints using machine learning and statistical payload fingerprints	20 2022 100 016.6 | Published	OPEN SOURCE
369	2022-23	CSE	Mr. Prajjwal Jain, Prashant Yadav, Vishvas Mishra, Aniket Singh	Electric Go-kart	202211023738A | Published	OPEN SOURCE
370	2022-23	CSE	Mr. Vineet Agarwal	Intelligent IoT Device for Automating Fingerprints Using Machine Learning and Statistical Payload	20 2022 100 016 | Granted	OPEN SOURCE
371	2022-23	ECE	Dr. Abhimanyu Kumar Yadav	Automatic Vehicle Speed Control System	201721007292 | Published	OPEN SOURCE
372	2022-23	ECE	Dr. Rupali Agrawal	A wide band rectangular microstrip array antenna	202211006161 | Published	OPEN SOURCE
373	2022-23	ECE	Dr. Shailendra Tahilyani	Process To Improve The Consumer Buying Behaviour Towards Medicine	202211042302 | Published	OPEN SOURCE
374	2022-23	ECE	Dr. Shailendra Tahilyani	Solve Customer Problems In Seconds Through Chatbox Using Machine Learning And Deep Learning	202211042303 | Published	OPEN SOURCE
375	2022-23	ECE	Dr. Shailendra Tahilyani	System for Intelligent Resource Management for Distributed Machine Learning Tasks	202022104275 | Published	OPEN SOURCE
376	2022-23	ME	Dr. Neha Gupta	Electric Go-Kart	202211023738 A | Published	OPEN SOURCE

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No.	Session	Dept.	Inventor / Owner	Patent / Design Title	Application / Status	Source
377	2022-23	ME	Dr. Neha Gupta	Internet of things based solar powered robot	202211027933A | Published	OPEN SOURCE
378	2022-23	ME	Dr. Neha Gupta	Method for generating power using GYM equipment	202211023863 | Published	OPEN SOURCE
379	2022-23	ME	Dr. Neha Gupta	Smart Biometric Control System for Money Access in Banks	368404-001 | Published	OPEN SOURCE
380	2022-23	ME	Mr. Naveen Prakash	A face identification method based on the combination dct-svm	202211004954 | Published	OPEN SOURCE
381	2022-23	ME	Mr. Naveen Prakash	An IoT based object Identification system using color sensing	202211010411 | Published	OPEN SOURCE

BOOKS & BOOK CHAPTERS

16 books | 39 book chapters | total 55

No.	Session	Dept.	Author / Editor	Book / Chapter Title	Type / Publisher	Source
494	2025-26	AIML	Dr. Vinayak Shukla	Book chapter contribution in Enhancing Surveillance With Blockchain and IoT Drone Technology	Book Chapter | Enhancing Surveillance With Blockchain and IoT Drone Technology, IGI Global Scientific Publishing, 2026	OPEN SOURCE
444	2025-26	ASH/HU / CSE	Dr. Ruchita Tripathi; Dr. Arti Singh; Dr. Sangeeta Mishra; Dr. Umesh Prasad Patel; Dr. Jitendra Kumar Patel	The Blueprint of Life: Exploring DNA and Genetic Innovations	Book	OPEN SOURCE
446	2025-26	CSE	Dr. Sangeeta Mishra	AI Driven Health Care	Book | 9789365565256	OPEN SOURCE
447	2025-26	CSE	Mr. Vineet Agarwal	AI & IoT Smart Agriculture	Book | 9781032565873	OPEN SOURCE
448	2025-26	CSE	Mr. Vineet Agarwal	Artificial Intelligence and Internet of Things for Smart Agriculture	Book | 9781003676102	OPEN SOURCE
449	2025-26	CSE	Ms. Amrita Mishra; Mr. Rudrendra Bahadur Singh; Ms. Priyanka Gupta; Dr. Sangeeta Mishra	AI-Based Big Data Observation System	Book | GeH Press | 978-93-6717-947-5	OPEN SOURCE
450	2025-26	CSE	Ms. Archana Dwivedi; Ms. Nandini Sharma; Dr. Pallavi Singh; Ms. Dabbeeru Priyanka; Mrs. D. Kavitha	Intelligent System: An Introduction to Artificial Intelligence and Machine Learning	Book	OPEN SOURCE
451	2025-26	CSE	Ms. Priyanka Gupta	The Global Economy Leading to Sustainability: A Multidisciplinary Approach	Book | 9789360873202	OPEN SOURCE
486	2025-26	CSE	Mr. Deepak Pant	AI - Based Quantum Computing Algorithm Development	Book Chapter | 9781970596724	OPEN SOURCE
487	2025-26	CSE	Ms. Poonam Singh	AI-Driven Cybersecurity for Smart Networks	Book Chapter | 978-81-688160-5-3	OPEN SOURCE
490	2025-26	CSE	Dr. Anurag Tiwari; Dr. Diwakar Yagyasen	Principles and Scope of Modern AI: Machine Learning, Deep Learning, Generative AI, and Agentic AI	Book | Deep Science Publishing | 978-93-7185-074-2	OPEN SOURCE
491	2025-26	CSE	Dr. Anurag Tiwari	Integration of Hybrid Quantum-Neuromorphic AI with Cloud, Edge, and High-Performance Computing Environments	Book Chapter | Emerging Hybrid Models for Neuromorphic AI and Quantum Computing, IGI Global Scientific Publishing, pp. 201-232 | DOI:...	OPEN SOURCE
443	2025-26	CSE / IT	Ms. Priyanka Gupta; Dr. Sangeeta Mishra; Mr. Amit Kumar Sachan; Mr. Manish Singh	Waterfall vs. Agile: Selecting the Best Development Method	Book | Crown Publishing | 9789364265623	OPEN SOURCE

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No.	Session	Dept.	Author / Editor	Book / Chapter Title	Type / Publisher	Source
445	2025-26	CSE / IT	Dr. Usha Sharma; Dr. Preeti Singh; Ms. Dipti Ranjan Tiwari; Ms. Archana Dwivedi	Deep Learning: Models for Real-Time Speech Recognition	Book | 978-93-6348-602-7	OPEN SOURCE
488	2025-26	EE	Dr. Apoorva Srivastava	Maximum Power Extraction from Wind Energy Conversion System Based on Artificial Intelligence	Book Chapter | Taylor & Francis (CRC Press)	OPEN SOURCE
452	2025-26	IT	Dr. Richa Sharma; Prof. Shailja Pandey; Ms. Dolley Srivastava; Dr. Mahima Shanker Pandey	Machine Learning Using Python: Algorithms, and Applications	Book | 978-93-7196-138-7	OPEN SOURCE
492	2025-26	ME	Dr. Neha Gupta; Mr. Vivek Narain	Flipped Classroom on Academic Achievement: The Challenge of Students' Resistance	Book Chapter | Education Unbound: Perspectives, Policies, and Practices | ISBN: 978-93-6884-726-7	OPEN SOURCE
493	2025-26	ME	Dr. Neha Gupta; Mr. Kamaleshwar Dhar Dwivedi	Teacher Continuous Professional Development in Climate Change Education: Analyzing Teacher's Perspectives	Book Chapter | Education Unbound: Perspectives, Policies, and Practices | ISBN: 978-93-6884-726-7	OPEN SOURCE
441	2024-25	CSE	Dr. Sangeeta Mishra	Artificial Intelligence and Prediction Approaches	Book | 9789370024298	OPEN SOURCE
442	2024-25	CSE	Dr. Sangeeta Mishra	Smart Contracts and Blockchain Transforming Digital Transactions	Book | 9789362948236	OPEN SOURCE
463	2024-25	CSE	Dr. Diwakar Yagyasen	AI/ML techniques in multilingual video translation	Book Chapter | 9781032999005	OPEN SOURCE
464	2024-25	CSE	Dr. Diwakar Yagyasen	An in-depth review of AI/ML techniques in emotion-preserving multilingual video translation for practical cross-cultural communication	Book Chapter | 9781032999005	OPEN SOURCE
465	2024-25	CSE	Dr. Diwakar Yagyasen	IC Design: An Approach of Study in Bio-Medical and mHealth Care Applications	Book Chapter | 9781774915165	OPEN SOURCE
466	2024-25	CSE	Dr. Diwakar Yagyasen	Predicting Resilience of Blood Groups Against COVID-19 Delta Variant Using Machine Learning	Book Chapter | 9781774915165	OPEN SOURCE
467	2024-25	CSE	Dr. Ram Bhushan Agnihotri	Artificial Intelligence Technology Based on EEG Signals for Monitoring the Online Education Industry	Book Chapter	OPEN SOURCE
468	2024-25	CSE	Mr. Rajeev Srivastava	International Conference on Advances in Emerging Trends in Computer Applications	Book Chapter | 9781032999005	OPEN SOURCE
469	2024-25	CSE	Mr. Sandeep Kumar Mishra	A exhaustive review on advancements and challenges in low power wireless sensor networks	Book Chapter | 9781032999005	OPEN SOURCE
470	2024-25	CSE	Mr. Sandeep Kumar Mishra	Data Leakage Detection: A Security Framework for Sensitive Information	Book Chapter | 9781032999005	OPEN SOURCE

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No.	Session	Dept.	Author / Editor	Book / Chapter Title	Type / Publisher	Source
471	2024-25	CSE	Mr. Sandeep Kumar Mishra	Potato Leaf Disease Classification and Prediction Using CNN	Book Chapter | 9781032999005	OPEN SOURCE
473	2024-25	CSE	Ms. Saroj Singh	AI-Powered Surveillance: Security, Compliance, and Ethical Considerations	Book Chapter | 9781779645319	OPEN SOURCE
474	2024-25	CSE	Ms. Saroj Singh	Technical Challenges to Automated Detection of Toxic Language	Book Chapter | 9789819701803	OPEN SOURCE
476	2024-25	CSE	Ms. Neha Chauhan	A Comprehensive Crop Prediction Model Leveraging Optimization Algorithms and Machine Learning Classifiers	Book Chapter | 9781032999005	OPEN SOURCE
477	2024-25	CSE	Ms. Neha Chauhan	A Comprehensive Framework for Anonymizing Structured Health Data	Book Chapter | 9781032621463	OPEN SOURCE
478	2024-25	CSE	Ms. Neha Chauhan	Crop Prediction System Using Machine Learning, Scopus Indexed	Book Chapter | 9781032999005	OPEN SOURCE
479	2024-25	CSE	Ms. Neha Chauhan	Ideas to Boost Fitness Activities and Assist in Keeping Fit	Book Chapter | 9781032999005	OPEN SOURCE
480	2024-25	CSE	Ms. Padmini Mishra	Revolutionizing Education With AI and ML	Book Chapter | 9798369381519	OPEN SOURCE
481	2024-25	CSE	Ms. Padmini Mishra	Revolutionizing Education with Artificial Intelligence and Machine Learning	Book Chapter | 9798369381519	OPEN SOURCE
482	2024-25	CSE	Ms. Priyanka Gupta	Sustainable Technology Innovation for a Greener Future	Book Chapter | 9789360873202	OPEN SOURCE
483	2024-25	CSE	Ms. Priyanka Gupta	Sustainable Technology Innovation for a Greener Future Shashwat Publication	Book Chapter | 9789360873202	OPEN SOURCE
484	2024-25	CSE	Ms. Priyanka Gupta	The Global Green Economy Leading to Sustainability: A Multidisciplinary Approach	Book Chapter | 9789360873202	OPEN SOURCE
485	2024-25	ECE	Dr. Rupali Agarwal	Smart Weeding Systems: Advancements and Challenges	Book Chapter | 9781032565873	OPEN SOURCE
440	2023-24	AIML / EE	Ms. Apoorva Srivastava	Electrical Engineering: Concepts and Fundamentals	Book | 9788196769086	OPEN SOURCE

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16 books | 39 book chapters | total 55

No.	Session	Dept.	Author / Editor	Book / Chapter Title	Type / Publisher	Source
456	2023-24	CSE	Dr. Diwakar Yagyasen	IC Design: An Approach of Study in Bio-Medical and mHealth Care Applications	Book Chapter | 9781774915165	OPEN SOURCE
457	2023-24	CSE	Dr. Diwakar Yagyasen	Predicting Resilience of Blood Groups Against COVID-19 Delta Variant Using Machine Learning	Book Chapter | 9781774915165	OPEN SOURCE
458	2023-24	CSE	Mr. Rudrendra Bahadur Singh	A comprehensive review of innovations in stray cattle detection	Book Chapter | 9781003606635	OPEN SOURCE
459	2023-24	CSE	Mr. Rudrendra Bahadur Singh	Approach to recognize fake news	Book Chapter | 9781003606635	OPEN SOURCE
460	2023-24	CSE	Mr. Rudrendra Bahadur Singh	CollegeGo: leveraging alumni data for improved college placements	Book Chapter | 9781003606635	OPEN SOURCE
461	2023-24	CSE	Mr. Rudrendra Bahadur Singh	Decision-making using argumentation mining framework on English text	Book Chapter | 9781003606635	OPEN SOURCE
462	2023-24	CSE	Mr. Rudrendra Bahadur Singh	Mobilenet-v3: A comprehensive survey of object detection algorithms using CNN	Book Chapter | 9781003606635	OPEN SOURCE
489	2023-24	EE	Dr. Apoorva Srivastava	Model Predictive Control of Grid-Connected Wind Energy Conversion System Using VSC-Based Shunt Controllers	Book Chapter | Distributed Energy Resources and Electric Vehicle, CRC Press / Taylor & Francis, pp. 158-179 (2024) | DOI: 10.1201/9781003311829-8	OPEN SOURCE
453	2022-23	AIML	Ms. Apoorva Srivastava	Model Predictive Control of Multiple Renewable Energy Sources in Hybrid DC Microgrids for Power Flow Control	Book Chapter | 9781032318721	OPEN SOURCE
438	2022-23	IT	Dr. Santosh Kumar Shukla; Mr. Ritesh Kumar Upadhyay; Ms. Nandini Tomar; Mr. Shivam Awasthi	Concepts of Internet of Things	Book | 9789359110233	OPEN SOURCE
439	2022-23	IT	Dr. Santosh Kumar Shukla; Ms. Anum Kamal; Mr. Ravendra Ratan Singh Jandail; Mr. Maneesh Singhal	Digital Marketing: A New Business Strategy	Book | 9789359111049	OPEN SOURCE
454	2022-23	IT	Dr. Santosh Kumar Shukla	Concept Of Internet Of Things	Book Chapter	OPEN SOURCE
455	2022-23	IT	Dr. Santosh Kumar Shukla	Digital Marketing: A New Business Strategy	Book Chapter	OPEN SOURCE

RESEARCH PROJECTS / SEED MONEY

Final consolidated count 399 | 79 detailed register entries available

Ref.	Dept.	Faculty / Mentor	Project Title	Outcome / Organization	Status
1	CE	Dr. D.S. Ray	Design and Estimation of Concrete Pavement in Mati on EMKDC Road	Durable, cost-effective concrete pavement design	Amount Utilized
2	CE	Dr. D.S. Ray	Planning and Estimation of Solar Power in E-Block	Optimized solar planning with accurate cost estimation	Amount Utilized
3	CE	Dr. Phurailatam Supriya	Modeling Plume Rise from an Industry using AERMOD, an Air Quality Dispersion Model	Accurate prediction of industrial pollutant dispersion	Amount Utilized
4	CE	Dr. Supriya Phurailatam	Analyze the Processes of Composition to Sustainably Substitute Natural Sand in Concrete	Patent Published	Amount Utilized
5	CE	Mr. Ashwani Kumar Pandey	Study of Glass Fiber Reinforced Concrete	Enhanced strength and durability of concrete	Amount Utilized
6	CE	Mr. Abhay Yadav	Design and Analysis of 200 Bedded Hospital Building in Safedabad, Barabanki	Safe, efficient and structurally sound hospital design	Amount Utilized
7	CE	Mr. Ashish Verma	Planning, Design and Estimation of G+3 Residential Building in Uttardhauna	Cost-effective, safe, and sustainable building design	Amount Utilized
8	CE	Mr. Mohit Choubey	Improvement of Strength Parameter of Expansive Soil (Black Cotton Soil)	Improved strength and stability of expansive soil	Amount Utilized
9	CE	Mr. Mohit Choubey	Study of Clayey Soil by using Nano Aluminum Oxide with Addition of Fly Ash	Enhanced soil strength using nano-modified stabilizers	Amount Utilized
10	CE	Mr. Navneet Singh Yadav	Analysis and Design of Retaining Wall at Crossing of Kishan Path and Kursi Road	Stable, safe and cost-efficient retaining wall design	Amount Utilized
11	CE	Mr. ASHWAN KUMAR PANDEY	Water Absorbing Roads: A New Construction Technique for Road in India	Reduced flooding with improved road drainage system	Amount Utilized
12	CE	Mr. Abhay Yadav	Construction of Eco-friendly Buildings	Patent Published	Amount Utilized
13	CE	Mrs. Shruti Singh Bisen	Suggestive Method of Waste Water Discharge from Sugar Mills of Rozagaon	Eco-friendly and efficient wastewater disposal method	Amount Utilized
14	CE	Ms. Kajal Singh	Analysis of Pedestrian Behavior Remedial Measure at Major Intersection at Lohiya Park Chauraha	Improved pedestrian safety and traffic flow	Amount Utilized
15	CE	Shivangi Singh	Comparative Study of Plastic Waste Road, Patel Nagar, Alam Bagh	Improved road durability using recycled plastic waste	Amount Utilized
16	CE	Shivangi Singh	Repairing of Cracks of BBDITM Building by Self Healing Concrete	Autonomous crack repair improving structural durability	Amount Utilized

RESEARCH PROJECTS / SEED MONEY

Final consolidated count 399 | 79 detailed register entries available

Ref.	Dept.	Faculty / Mentor	Project Title	Outcome / Organization	Status
17	ECE	Dharmesh Kumar	Smart Sewage System	Hardware Model	Amount Utilized
18	ECE	Dr. Abhimanyu Kumar Yadav	Smart Stretcher with Integrated Medical Intelligence System	Hardware Model	Amount Utilized
19	ECE	Dr. Rupali Agarwal	Gesticulated Robotic Arm	Hardware Model	Amount Utilized
20	ECE	Dr. Rupali Agarwal	Solar Wireless EV Charging System	Hardware Model	Amount Utilized
21	ECE	Dr. Shailendra Tahilyani	Process To Improve The Consumer Buying Behaviour Towards Medicine	Patent Published	Amount Utilized
22	ECE	Dr. Shailendra Tahilyani	Solar Panel Cleaning Robot for Residential Application.	Hardware Model	Amount Utilized
23	ECE	Dr. Shailendra Tahilyani	Solve Customer Problems In Seconds Through Chatbox Using Machine Learning And Deep Learning	Patent Published	Amount Utilized
24	ECE	Dr. Shailendra Tahilyani	Speed Limiting and Control of Vehicle in Restricted Zone Automatically	Hardware Model	Amount Utilized
25	ECE	Mr. Amit Kumar Singh	Speaking System for Dumb People using Hand Gesture	Hardware Model	Amount Utilized
26	ECE	Mr. Diwakar Singh	IOT Circuit Breaker	Hardware Model	Amount Utilized
27	ECE	Mr. Kishan Kumar	Landmine Detector Robotic Vehicle	Hardware Model	Amount Utilized
28	ECE	Mr. Navneet Kumar Pandey	Intrusion Detection and Prevention for Agricultural Land	Hardware Model	Amount Utilized
29	ECE	Mr. Pankaj Verma	Smart Helmet with Sensors	Hardware Model	Amount Utilized
30	ECE	Mr. Rajeev Singh	Home Automation & Security using ESP320	Hardware Model	Amount Utilized
31	ECE	Mr. Ravi Shankar	Agricultural Pesticide Spraying Drone	Hardware Model	Amount Utilized
32	ECE	Mrs. Keerti Mishra	GSM Crash Protego System Using Arduino	Hardware Model	Amount Utilized

RESEARCH PROJECTS / SEED MONEY

Final consolidated count 399 | 79 detailed register entries available

Ref.	Dept.	Faculty / Mentor	Project Title	Outcome / Organization	Status
33	CE	Dr. D.S. Ray	Design and Estimation of Flexible pavement	Flexible pavement design and cost estimation completed	Amount Utilized
34	CE	Dr. D.S. Ray	Method of Construction of sidewalk Pavement Using Environmentally Friendly Binder Composition	Patent Published	Amount Utilized
35	CE	Dr. Phurailatpam Supriya	Design of a Upflow Anaerobic Sludge Blanket (UASB) system for a waste water treatment	Efficient wastewater treatment with enhanced biogas recovery	Amount Utilized
36	CE	Mr. Abhay Yadav	Construction of Sidewalk Pavement Using Environmentally Friendly Binder Composition	Eco-friendly binder enhances durable sidewalk pavement	Amount Utilized
37	CE	Mr. Abhay Yadav	Design and Estimation of INTZE TANK	Design and estimation of Intze tank completed	Amount Utilized
38	CE	Mr. Ashish Verma	Replacement of coarse aggregate by jhama bricks in concrete	Improved lightweight concrete with alternative aggregate	Amount Utilized
39	CE	Mr. Ashish Verma	Widening and strengthening of CHINHAT SATRIKH ROAD	Widening and strengthening of road with cost estimation completed	Amount Utilized
40	CE	Mr. Ashwani kumar pandey	To study of Structural Health Monitoring for Bridge Structures	Early damage detection for safer bridge structures	Amount Utilized
41	CE	Mr. Avinash Kumar Upadhyay	Use of Manufactured sand as an alternative to natural river sand	Sustainable alternative improving concrete performance	Amount Utilized
42	CE	Mr. Avinash Kumar Upadhyay	Use of bamboo as a building materials in construction projects.	Sustainable, cost-effective and eco-friendly construction material	Amount Utilized
43	CE	Mr. Mohit Choubey	Design And Estimation of sound proof sleepers hall with help of permeable membrane BBDITM Lucknow	Effective soundproofing with optimized design and cost estimation	Amount Utilized
44	CE	Mr. Navneet Singh Yadav	Design and Estimation of GUIDE BUNDH GOMTI RIVER LUCKNOW	Design and estimation of guide bund on Gomti River completed	Amount Utilized
45	CE	Ms. Kajal Singh	Design and Estimation of Advanced pavement design up to 1 km.	Advanced pavement design and 1 km cost estimation completed	Amount Utilized
46	CE	Ms. Kajal Singh	Design and Estimation of Cross-section of railway track	Design and estimation of railway track cross-section completed	Amount Utilized
47	CE	Ms. Shruti Singh Bisen	Analysis of Mineral admixtures for high performance concrete	Enhanced durability and strength of high-performance concrete	Amount Utilized
48	CE	Ms. Shruti Singh Bisen	Traffic Volume study and control	Optimized traffic flow and improved congestion control	Amount Utilized

RESEARCH PROJECTS / SEED MONEY

Final consolidated count 399 | 79 detailed register entries available

Ref.	Dept.	Faculty / Mentor	Project Title	Outcome / Organization	Status
49	CE	Shivangi Singh	Design and Estimation of Irrigation Canal and canal outlets	Design and estimation of irrigation canal and outlets completed	Amount Utilized
50	CE	Shivangi Singh	Design and Estimation of waste water treatment plant	Efficient wastewater treatment plant design and estimation completed	Amount Utilized
51	ECE	Dr. Abhimanyu Kumar Yadav	Solar Powered Object Detector with Analytical Thinking for Warfield Spying	Hardware Model	Amount Utilized
52	ECE	Dr. Rupali Agarwal	Smart Wearable for Victim/Rescue	Hardware Model	Amount Utilized
53	ECE	Dr. Shailendra Tahilyani	Seamless Health Monitoring and Emergency Response Smartwatch	Hardware Model	Amount Utilized
54	ECE	Mr. Amit Kumar Singh	Library Silence Breaking Alarm System	Hardware Model	Amount Utilized
55	ECE	Mr. Diwakar Singh	IOT Based Ration Vending Machine	Hardware Model	Amount Utilized
56	ECE	Mr. Kishan Kumar	Artificial Intelligence Based fast DC charging Control of Electric Vehicle in Standalone Mode Involving Multiple Renewable Energy Resources	Publication	Amount Utilized
57	ECE	Mr. Kishan Kumar	Overload Detection System of an Electric Meter for a Household	Hardware Model	Amount Utilized
58	ECE	Mr. Navneet Kumar Pandey	Arduino Based Sewage Blockage Detector	Hardware Model	Amount Utilized
59	ECE	Mr. Pankaj Verma	IOT Based Person/Wheelchair Fall Detection System	Hardware Model	Amount Utilized
60	ECE	Mr. Rajeev Singh	Vehicle Exhaust Smoke and Noise Detection with Location Tracking	Hardware Model	Amount Utilized
61	ECE	Mr. Ravi Shankar	Hybrid Technology for Military Vehicle Communication	Hardware Model	Amount Utilized
62	ECE	Mrs. Keerti Mishra	Waste Segregation Mechanism in Smart Wastebin	Hardware Model	Amount Utilized
63	CE	Dr. D.S. Ray	Use of Sugarcane Bagasse Ash for Brick Making	Patent Published	Amount Utilized
64	CE	Dr. Phurailatpam Supriya	Design, analysis and cost estimation for an underground water tank.	Underground water tank design ensures efficient storage and durability	Amount Utilized

RESEARCH PROJECTS / SEED MONEY

Final consolidated count 399 | 79 detailed register entries available

Ref.	Dept.	Faculty / Mentor	Project Title	Outcome / Organization	Status
65	CE	Mr. Ashish Verma	Risk Assessment due to municipal solid waste dumpsites and geoenvironmental measures for closer	Risk assessment guides safe waste closure measures	Amount Utilized
66	CE	Mr. Avinash Kumar Upadhyay	Strength and micro structural behaviour of manufacturing sand by replacing natural sand.	Improved strength with sustainable sand replacement	Amount Utilized
67	CE	Mr. Mohit Choubey	Soil characterization and modelling of alluvial soil	Alluvial soil characterization improves modelling accuracy and prediction	Amount Utilized
68	CE	Ms. Kajal Singh	Design and cost estimation of roller barrier of system for highway accidental	Enhanced safety with cost-effective accident prevention	Amount Utilized
69	CE	Ms. Shruti Singh Bisen	Paper crete brick	Lightweight bricks with good insulation properties	Amount Utilized
70	ECE	Dr. Rupali Agarwal	Hybrid controlled advance drone	Hardware Model	Amount Utilized
71	ECE	Mr. Amit Kumar Singh	Road surface analyser for safety and smoothness of road	Hardware Model	Amount Utilized
72	ECE	Mr. Diwakar Singh	Robotics hand for Industrial Application	Hardware Model	Amount Utilized
73	ECE	Mr. Kishan Kumar	Marine Current Energy coupled with a VSC-HVDC link integrated with the grid	Publication	Amount Utilized
74	ECE	Mr. Kishan Kumar	System to check healthiness of earthing system and alert staff in case of malfunction.	Hardware Model	Amount Utilized
75	ECE	Mr. Kishan Kumar &	FAST CHARGING POLE USING WIND AND SOLAR ENERGY	Patent Design	Amount Utilized
76	ECE	Mr. Navneet Kumar Pandey	Smart wearable for mountaineers.	Hardware Model	Amount Utilized
77	ECE	Mr. Pankaj Verma	Surveillance drone using ESP32	Hardware Model	Amount Utilized
78	ECE	Mr. Ravi Shankar	Solar based EV Charging station with IOT networking	Hardware Model	Amount Utilized
79	ECE	Mrs. Keerti Mishra	Smart Stretcher for Monitoring mobile patients	Hardware Model	

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Ref.	Session	Dept.	Faculty	Programme	Dates / Duration	Organizer
417	2026-27	BBDITM	Prof. (Dr.) Pratul Arvind	One Week Short Term Course (STC) on "Driving Clean Energy Transition: Green Hydrogen & Net-Zero Emissions"	20-07-2026 to 24-07-2026 | 5 days	Department of Electrical Engineering, National Institute of Technology Delhi
403	2026-27	CSE	Mrs. Poonam Singh	Advancements in Artificial Intelligence and Machine Learning for Real-World Applications	13-07-2026 to 18-07-2026 | 6 days	Department of Computer Science and Information Systems, Institute of Technology, Shri Ramswaroop Memorial University, Barabanki, Uttar Pradesh
82	2025-26	ASH/HU	Mr. Mohd. Aquib	Sustainable Construction Materials	22-09-2025 to 26-09-2025 | 5 days	Netaji Subhas University of Technology
83	2025-26	CE	Dr. Supriya Phurailatpam	Sustainable Construction Materials	22-09-2025 to 26-09-2025 | 5 days	Netaji Subhas University of Technology
84	2025-26	CE	Mr. Avinash Kumar Upadhayay	Sustainable Construction Materials	22-09-2025 to 26-09-2025 | 5 days	Netaji Subhas University of Technology
85	2025-26	CE	Mr. Mohit Choubey	Sustainable Construction Materials	22-09-2025 to 26-09-2025 | 5 days	Netaji Subhas University of Technology
46	2025-26	CSE	Mrs. Poonam Singh	Quantum Communication: Recent Progress and Future Research Direction	19-01-2026 to 24-01-2026 | 6 days	AICTE Training and Learning (ATAL) Academy at National Institute of Technology, Tiruchirappalli
98	2025-26	CSE	Mr. Prasanna Kumar Pandey	APEX Faculty Development Program in Artificial Intelligence	136	TCS
404	2025-26	CSE	Mr. Prasanna Kumar Pandey	APEX Faculty Development Program in Artificial Intelligence	136	TCS
99	2025-26	CSE	Mrs. Poonam Singh	Artificial Intelligence and Computer Vision	136	C-DAC Hyderabad under Electronics & ICT Academy Scheme Phase II
100	2025-26	CSE	Mrs. Poonam Singh	Exploring the Frontiers of High Performance Computing: Techniques, Trends and Applications	136	AICTE Training and Learning (ATAL) Academy, Navarasam Arts and Science College for Women
101	2025-26	CSE	Mrs. Poonam Singh	Generative & Agentic AI - Tools & Demos	136	Sardar Vallabhbhai National Institute of Technology (SVNIT) with IEEE Gujarat Section & Pantech Solutions
102	2025-26	CSE	Mrs. Poonam Singh	Recent Trends in AI: Text, Vision and Hardware Implementation Models	136	Panimalar Engineering College in association with STEP-NITK, Surathkal & Pantech Solutions Pvt Ltd
405	2025-26	CSE	Mrs. Poonam Singh	Artificial Intelligence and Computer Vision	136	C-DAC Hyderabad under Electronics & ICT Academy Scheme Phase II
406	2025-26	CSE	Mrs. Poonam Singh	Exploring the Frontiers of High Performance Computing: Techniques, Trends and Applications	136	AICTE Training and Learning (ATAL) Academy, Navarasam Arts and Science College for Women

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Ref.	Session	Dept.	Faculty	Programme	Dates / Duration	Organizer
407	2025-26	CSE	Mrs. Poonam Singh	Generative & Agentic AI - Tools & Demos	136	Sardar Vallabhbhai National Institute of Technology (SVNIT) with IEEE Gujarat Section & Pantech Solutions
408	2025-26	CSE	Mrs. Poonam Singh	Recent Trends in AI: Text, Vision and Hardware Implementation Models	136	Panimalar Engineering College in association with STEP-NITK, Surathkal & Pantech Solutions Pvt Ltd
103	2025-26	CSE	Rohit Agarwal	Harnessing Artificial Intelligence for Innovative Teaching and Learning in Higher Education	136	AIU Poornima University Academic and Administrative Development Centre (10th to 14th March 2026)
409	2025-26	CSE	Rohit Agarwal	Harnessing Artificial Intelligence for Innovative Teaching and Learning in Higher Education	136	AIU Poornima University Academic and Administrative Development Centre (10th to 14th March 2026)
1	2025-26	ECE	Amit Kumar Singh	FDP on Disruptive Technologies	22-06-2026 to 27-06-2026 | 6 days	Department of ECE, Panimalar Engineering College
2	2025-26	ECE	Diwakar Singh	FDP on Disruptive Technologies	22-06-2026 to 27-06-2026 | 6 days	Department of ECE, Panimalar Engineering College
3	2025-26	ECE	Dr. Abhimanyu Yadav	FDP on Disruptive Technologies	22-06-2026 to 27-06-2026 | 6 days	Department of ECE, Panimalar Engineering College
4	2025-26	ECE	Dr. Rupali Agarwal	FDP on Disruptive Technologies	22-06-2026 to 27-06-2026 | 6 days	Department of ECE, Panimalar Engineering College
5	2025-26	ECE	Keerti Mishra	FDP on Disruptive Technologies	22-06-2026 to 27-06-2026 | 6 days	Department of ECE, Panimalar Engineering College
6	2025-26	ECE	Kishan Kumar	FDP on Disruptive Technologies	22-06-2026 to 27-06-2026 | 6 days	Department of ECE, Panimalar Engineering College
7	2025-26	ECE	Navneet Kr Pandey	FDP on Disruptive Technologies	22-06-2026 to 27-06-2026 | 6 days	Department of ECE, Panimalar Engineering College
8	2025-26	ECE	Pankaj Verma	FDP on Disruptive Technologies	22-06-2026 to 27-06-2026 | 6 days	Department of ECE, Panimalar Engineering College
9	2025-26	ECE	Ravi Shankar	FDP on Disruptive Technologies	22-06-2026 to 27-06-2026 | 6 days	Department of ECE, Panimalar Engineering College
10	2025-26	ECE	Amit Kumar Singh	Underwater Robotics and Acoustic Communication Networks (URACN-2026)	25-05-2026 to 05-06-2026 | 2 weeks	Electronics and ICT Academy, NIT Patna and NIT Jamshedpur under the "Scheme of financial assistance for setting up of Electronics and ICT Academies (Phase- II)"

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Ref.	Session	Dept.	Faculty	Programme	Dates / Duration	Organizer
11	2025-26	ECE	Diwakar Singh	Underwater Robotics and Acoustic Communication Networks (URACN-2026)	25-05-2026 to 05-06-2026 | 2 weeks	Electronics and ICT Academy, NIT Patna and NIT Jamshedpur under the "Scheme of financial assistance for setting up of Electronics and ICT Academies (Phase- II)"
12	2025-26	ECE	Dr. Abhimanyu Yadav	Underwater Robotics and Acoustic Communication Networks (URACN-2026)	25-05-2026 to 05-06-2026 | 2 weeks	Electronics and ICT Academy, NIT Patna and NIT Jamshedpur under the "Scheme of financial assistance for setting up of Electronics and ICT Academies (Phase- II)"
13	2025-26	ECE	Dr. Dharmesh Kumar	FPGA-based Communication System Design (FCSD-2026)	25-05-2026 to 05-06-2026 | 2 weeks	Electronics and ICT Academy, NIT Patna and NIT Jamshedpur under the "Scheme of financial assistance for setting up of Electronics and ICT Academies (Phase- II)"
14	2025-26	ECE	Dr. Rupali Agarwal	Underwater Robotics and Acoustic Communication Networks (URACN-2026)	25-05-2026 to 05-06-2026 | 2 weeks	Electronics and ICT Academy, NIT Patna and NIT Jamshedpur under the "Scheme of financial assistance for setting up of Electronics and ICT Academies (Phase- II)"
15	2025-26	ECE	Dr. Shailendra Tahilyani	Underwater Robotics and Acoustic Communication Networks (URACN-2026)	25-05-2026 to 05-06-2026 | 2 weeks	Electronics and ICT Academy, NIT Patna and NIT Jamshedpur under the "Scheme of financial assistance for setting up of Electronics and ICT Academies (Phase- II)"
16	2025-26	ECE	Keerti Mishra	Underwater Robotics and Acoustic Communication Networks (URACN-2026)	25-05-2026 to 05-06-2026 | 2 weeks	Electronics and ICT Academy, NIT Patna and NIT Jamshedpur under the "Scheme of financial assistance for setting up of Electronics and ICT Academies (Phase- II)"
17	2025-26	ECE	Kishan Kumar	Underwater Robotics and Acoustic Communication Networks (URACN-2026)	25-05-2026 to 05-06-2026 | 2 weeks	Electronics and ICT Academy, NIT Patna and NIT Jamshedpur under the "Scheme of financial assistance for setting up of Electronics and ICT Academies (Phase- II)"
18	2025-26	ECE	Navneet Kr Pandey	Underwater Robotics and Acoustic Communication Networks (URACN-2026)	25-05-2026 to 05-06-2026 | 2 weeks	Electronics and ICT Academy, NIT Patna and NIT Jamshedpur under the "Scheme of financial assistance for setting up of Electronics and ICT Academies (Phase- II)"
19	2025-26	ECE	Pankaj Verma	Underwater Robotics and Acoustic Communication Networks (URACN-2026)	25-05-2026 to 05-06-2026 | 2 weeks	Electronics and ICT Academy, NIT Patna and NIT Jamshedpur under the "Scheme of financial assistance for setting up of Electronics and ICT Academies (Phase- II)"

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Ref.	Session	Dept.	Faculty	Programme	Dates / Duration	Organizer
20	2025-26	ECE	Rajeev Singh	Underwater Robotics and Acoustic Communication Networks (URACN-2026)	25-05-2026 to 05-06-2026 | 2 weeks	Electronics and ICT Academy, NIT Patna and NIT Jamshedpur under the "Scheme of financial assistance for setting up of Electronics and ICT Academies (Phase- II)"
21	2025-26	ECE	Ravi Shankar	Underwater Robotics and Acoustic Communication Networks (URACN-2026)	25-05-2026 to 05-06-2026 | 2 weeks	Electronics and ICT Academy, NIT Patna and NIT Jamshedpur under the "Scheme of financial assistance for setting up of Electronics and ICT Academies (Phase- II)"
22	2025-26	ECE	Amit Kumar Singh	Digital Transformation AI Integration and E Governance in Higher Education	04-05-2026 to 08-05-2026 | 1 week	AIU- AADC and Poornima University
23	2025-26	ECE	Diwakar Singh	Digital Transformation AI Integration and E Governance in Higher Education	04-05-2026 to 08-05-2026 | 1 week	AIU- AADC and Poornima University
24	2025-26	ECE	Dr. Abhimanyu Yadav	Digital Transformation AI Integration and E Governance in Higher Education	04-05-2026 to 08-05-2026 | 1 week	AIU- AADC and Poornima University
25	2025-26	ECE	Dr. Rupali Agarwal	Digital Transformation AI Integration and E Governance in Higher Education	04-05-2026 to 08-05-2026 | 1 week	AIU- AADC and Poornima University
26	2025-26	ECE	Dr. Shailendra Tahilyani	Digital Transformation AI Integration and E Governance in Higher Education	04-05-2026 to 08-05-2026 | 1 week	AIU- AADC and Poornima University
27	2025-26	ECE	Keerti Mishra	Digital Transformation AI Integration and E Governance in Higher Education	04-05-2026 to 08-05-2026 | 1 week	AIU- AADC and Poornima University
28	2025-26	ECE	Kishan Kumar	Digital Transformation AI Integration and E Governance in Higher Education	04-05-2026 to 08-05-2026 | 1 week	AIU- AADC and Poornima University
29	2025-26	ECE	Navneet Kr Pandey	Digital Transformation AI Integration and E Governance in Higher Education	04-05-2026 to 08-05-2026 | 1 week	AIU- AADC and Poornima University
30	2025-26	ECE	Pankaj Verma	Digital Transformation AI Integration and E Governance in Higher Education	04-05-2026 to 08-05-2026 | 1 week	AIU- AADC and Poornima University
31	2025-26	ECE	Rajeev Singh	Digital Transformation AI Integration and E Governance in Higher Education	04-05-2026 to 08-05-2026 | 1 week	AIU- AADC and Poornima University
32	2025-26	ECE	Ravi Shankar	Digital Transformation AI Integration and E Governance in Higher Education	04-05-2026 to 08-05-2026 | 1 week	AIU- AADC and Poornima University
33	2025-26	ECE	Keerti Mishra	Advanced Generative AI	07-04-2026 to 11-04-2026 | 5 days	HCL GUVI in collboration with BBD University, Lucknow.

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Ref.	Session	Dept.	Faculty	Programme	Dates / Duration	Organizer
34	2025-26	ECE	Keerti Mishra	Digital VLSI Design Using Industry Standard EDA Tools	09-03-2026 to 14-03-2026 | 6 days	Department of Electronics and Communication Engineering at Vel Tech Multi Tech Dr. Rangarajan Dr. Sakunthala Engineering College, Avadi, Chennai
35	2025-26	ECE	Ravi Shankar	Digital VLSI Design Using Industry Standard EDA Tools	09-03-2026 to 14-03-2026 | 6 days	Department of Electronics and Communication Engineering at Vel Tech Multi Tech Dr. Rangarajan Dr. Sakunthala Engineering College, Avadi, Chennai
36	2025-26	ECE	Amit Kumar Singh	Generative & Agentic AI - Tools & Demos	16-02-2026 to 21-02-2026 | 1 week	Department of CSE, Sardar Vallabhbhai National Institute of Technology technically co-sponsored by IEEE- Gujarat Section & partnered with Pantech Solutions (India) Pvt., Ltd
37	2025-26	ECE	Diwakar Singh	Generative & Agentic AI - Tools & Demos	16-02-2026 to 21-02-2026 | 1 week	Department of CSE, Sardar Vallabhbhai National Institute of Technology technically co-sponsored by IEEE- Gujarat Section & partnered with Pantech Solutions (India) Pvt., Ltd
38	2025-26	ECE	Dr. Abhimanyu Yadav	Generative & Agentic AI - Tools & Demos	16-02-2026 to 21-02-2026 | 1 week	Department of CSE, Sardar Vallabhbhai National Institute of Technology technically co-sponsored by IEEE- Gujarat Section & partnered with Pantech Solutions (India) Pvt., Ltd
39	2025-26	ECE	Dr. Rupali Agarwal	Generative & Agentic AI - Tools & Demos	16-02-2026 to 21-02-2026 | 1 week	Department of CSE, Sardar Vallabhbhai National Institute of Technology technically co-sponsored by IEEE- Gujarat Section & partnered with Pantech Solutions (India) Pvt., Ltd
40	2025-26	ECE	Keerti Mishra	Generative & Agentic AI - Tools & Demos	16-02-2026 to 21-02-2026 | 1 week	Department of CSE, Sardar Vallabhbhai National Institute of Technology technically co-sponsored by IEEE- Gujarat Section & partnered with Pantech Solutions (India) Pvt., Ltd
41	2025-26	ECE	Kishan Kumar	Generative & Agentic AI - Tools & Demos	16-02-2026 to 21-02-2026 | 1 week	Department of CSE, Sardar Vallabhbhai National Institute of Technology technically co-sponsored by IEEE- Gujarat Section & partnered with Pantech Solutions (India) Pvt., Ltd

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Ref.	Session	Dept.	Faculty	Programme	Dates / Duration	Organizer
42	2025-26	ECE	Navneet Kr Pandey	Generative & Agentic AI - Tools & Demos	16-02-2026 to 21-02-2026 | 1 week	Department of CSE, Sardar Vallabhbhai National Institute of Technology technically co-sponsored by IEEE- Gujarat Section & partnered with Pantech Solutions (India) Pvt., Ltd
43	2025-26	ECE	Pankaj Verma	Generative & Agentic AI - Tools & Demos	16-02-2026 to 21-02-2026 | 1 week	Department of CSE, Sardar Vallabhbhai National Institute of Technology technically co-sponsored by IEEE- Gujarat Section & partnered with Pantech Solutions (India) Pvt., Ltd
44	2025-26	ECE	Rajeev Singh	Generative & Agentic AI - Tools & Demos	16-02-2026 to 21-02-2026 | 1 week	Department of CSE, Sardar Vallabhbhai National Institute of Technology technically co-sponsored by IEEE- Gujarat Section & partnered with Pantech Solutions (India) Pvt., Ltd
45	2025-26	ECE	Ravi Shankar	Generative & Agentic AI - Tools & Demos	16-02-2026 to 21-02-2026 | 1 week	Department of CSE, Sardar Vallabhbhai National Institute of Technology technically co-sponsored by IEEE- Gujarat Section & partnered with Pantech Solutions (India) Pvt., Ltd
47	2025-26	ECE	Dr. Dharmesh Kumar	Emerging Trends in Fluid, Thermal and Energy Harvesting	05-01-2026 to 10-01-2026 | 1 week	Human Resource Development Cell (HRDC), Harcourt Butler Technical University, Kanpur (HBTUK)
48	2025-26	ECE	Amit Kumar Singh	Research Methodology for Commerce & Management	20-12-2025 to 03-01-2026 | 2 weeks	Mahatma Hansraj Malaviya Mission Teacher Training Centre (MH-MMTTC), Hansraj College, University of Delhi in collaboration with Dr. Akhilesh Das Gupta Institute of Professional ...
49	2025-26	ECE	Diwakar Singh	Research Methodology for Commerce & Management	20-12-2025 to 03-01-2026 | 2 weeks	Mahatma Hansraj Malaviya Mission Teacher Training Centre (MH-MMTTC), Hansraj College, University of Delhi in collaboration with Dr. Akhilesh Das Gupta Institute of Professional ...
50	2025-26	ECE	Dr. Abhimanyu Yadav	Research Methodology for Commerce & Management	20-12-2025 to 03-01-2026 | 2 weeks	Mahatma Hansraj Malaviya Mission Teacher Training Centre (MH-MMTTC), Hansraj College, University of Delhi in collaboration with Dr. Akhilesh Das Gupta Institute of Professional ...

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Ref.	Session	Dept.	Faculty	Programme	Dates / Duration	Organizer
51	2025-26	ECE	Dr. Rupali Agarwal	Research Methodology for Commerce & Management	20-12-2025 to 03-01-2026 | 2 weeks	Mahatma Hansraj Malaviya Mission Teacher Training Centre (MH-MMTTC), Hansraj College, University of Delhi in collaboration with Dr. Akhilesh Das Gupta Institute of Professional ...
52	2025-26	ECE	Dr. Shailendra Tahilyani	Research Methodology for Commerce & Management	20-12-2025 to 03-01-2026 | 2 weeks	Mahatma Hansraj Malaviya Mission Teacher Training Centre (MH-MMTTC), Hansraj College, University of Delhi in collaboration with Dr. Akhilesh Das Gupta Institute of Professional ...
53	2025-26	ECE	Keerti Mishra	Research Methodology for Commerce & Management	20-12-2025 to 03-01-2026 | 2 weeks	Mahatma Hansraj Malaviya Mission Teacher Training Centre (MH-MMTTC), Hansraj College, University of Delhi in collaboration with Dr. Akhilesh Das Gupta Institute of Professional ...
54	2025-26	ECE	Kishan Kumar	Research Methodology for Commerce & Management	20-12-2025 to 03-01-2026 | 2 weeks	Mahatma Hansraj Malaviya Mission Teacher Training Centre (MH-MMTTC), Hansraj College, University of Delhi in collaboration with Dr. Akhilesh Das Gupta Institute of Professional ...
55	2025-26	ECE	Navneet Kr Pandey	Research Methodology for Commerce & Management	20-12-2025 to 03-01-2026 | 2 weeks	Mahatma Hansraj Malaviya Mission Teacher Training Centre (MH-MMTTC), Hansraj College, University of Delhi in collaboration with Dr. Akhilesh Das Gupta Institute of Professional ...
56	2025-26	ECE	Pankaj Verma	Research Methodology for Commerce & Management	20-12-2025 to 03-01-2026 | 2 weeks	Mahatma Hansraj Malaviya Mission Teacher Training Centre (MH-MMTTC), Hansraj College, University of Delhi in collaboration with Dr. Akhilesh Das Gupta Institute of Professional ...
57	2025-26	ECE	Rajeev Singh	Research Methodology for Commerce & Management	20-12-2025 to 03-01-2026 | 2 weeks	Mahatma Hansraj Malaviya Mission Teacher Training Centre (MH-MMTTC), Hansraj College, University of Delhi in collaboration with Dr. Akhilesh Das Gupta Institute of Professional ...
58	2025-26	ECE	Ravi Shankar	Research Methodology for Commerce & Management	20-12-2025 to 03-01-2026 | 2 weeks	Mahatma Hansraj Malaviya Mission Teacher Training Centre (MH-MMTTC), Hansraj College, University of Delhi in collaboration with Dr. Akhilesh Das Gupta Institute of Professional ...

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Ref.	Session	Dept.	Faculty	Programme	Dates / Duration	Organizer
59	2025-26	ECE	Amit Kumar Singh	Modern Web Development & AI Integration	15-12-2025 to 19-12-2025 | 5 days	Edunet Foundation under Next Gen Employability Program
60	2025-26	ECE	Diwakar Singh	Modern Web Development & AI Integration	15-12-2025 to 19-12-2025 | 5 days	Edunet Foundation under Next Gen Employability Program
61	2025-26	ECE	Dr. Abhimanyu Yadav	Modern Web Development & AI Integration	15-12-2025 to 19-12-2025 | 5 days	Edunet Foundation under Next Gen Employability Program
62	2025-26	ECE	Dr. Dharmesh Kumar	Modern Web Development & AI Integration	15-12-2025 to 19-12-2025 | 5 days	Edunet Foundation under Next Gen Employability Program
63	2025-26	ECE	Dr. Rupali Agarwal	Modern Web Development & AI Integration	15-12-2025 to 19-12-2025 | 5 days	Edunet Foundation under Next Gen Employability Program
64	2025-26	ECE	Dr. Shailendra Tahilyani	Modern Web Development & AI Integration	15-12-2025 to 19-12-2025 | 5 days	Edunet Foundation under Next Gen Employability Program
65	2025-26	ECE	Keerti Mishra	Modern Web Development & AI Integration	15-12-2025 to 19-12-2025 | 5 days	Edunet Foundation under Next Gen Employability Program
66	2025-26	ECE	Kishan Kumar	Modern Web Development & AI Integration	15-12-2025 to 19-12-2025 | 5 days	Edunet Foundation under Next Gen Employability Program
67	2025-26	ECE	Navneet Kr Pandey	Modern Web Development & AI Integration	15-12-2025 to 19-12-2025 | 5 days	Edunet Foundation under Next Gen Employability Program
68	2025-26	ECE	Pankaj Verma	Modern Web Development & AI Integration	15-12-2025 to 19-12-2025 | 5 days	Edunet Foundation under Next Gen Employability Program
69	2025-26	ECE	Rajeev Singh	Modern Web Development & AI Integration	15-12-2025 to 19-12-2025 | 5 days	Edunet Foundation under Next Gen Employability Program
70	2025-26	ECE	Ravi Shankar	Modern Web Development & AI Integration	15-12-2025 to 19-12-2025 | 5 days	Edunet Foundation under Next Gen Employability Program
71	2025-26	ECE	Amit Kumar Singh	Advances in Augmented & Virtual Reality and Blockchain Technologies	29-09-2025 to 04-10-2025 | 5 days	Department of CSE and IT, Bansilal Ramnath Agarwal Charitable Trust's Vishwakarma Institute of Technology, Pune.
72	2025-26	ECE	Diwakar Singh	Advances in Augmented & Virtual Reality and Blockchain Technologies	29-09-2025 to 04-10-2025 | 5 days	Department of CSE and IT, Bansilal Ramnath Agarwal Charitable Trust's Vishwakarma Institute of Technology, Pune.

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Ref.	Session	Dept.	Faculty	Programme	Dates / Duration	Organizer
73	2025-26	ECE	Dr. Abhimanyu Yadav	Advances in Augmented & Virtual Reality and Blockchain Technologies	29-09-2025 to 04-10-2025 | 5 days	Department of CSE and IT, Bansilal Ramnath Agarwal Charitable Trust's Vishwakarma Institute of Technology, Pune.
74	2025-26	ECE	Dr. Rupali Agarwal	Advances in Augmented & Virtual Reality and Blockchain Technologies	29-09-2025 to 04-10-2025 | 5 days	Department of CSE and IT, Bansilal Ramnath Agarwal Charitable Trust's Vishwakarma Institute of Technology, Pune.
75	2025-26	ECE	Dr. Shailendra Tahilyani	Advances in Augmented & Virtual Reality and Blockchain Technologies	29-09-2025 to 04-10-2025 | 5 days	Department of CSE and IT, Bansilal Ramnath Agarwal Charitable Trust's Vishwakarma Institute of Technology, Pune.
76	2025-26	ECE	Keerti Mishra	Advances in Augmented & Virtual Reality and Blockchain Technologies	29-09-2025 to 04-10-2025 | 1 week	Department of CSE and IT, Bansilal Ramnath Agarwal Charitable Trust's Vishwakarma Institute of Technology, Pune.
77	2025-26	ECE	Kishan Kumar	Advances in Augmented & Virtual Reality and Blockchain Technologies	29-09-2025 to 04-10-2025 | 5 days	Department of CSE and IT, Bansilal Ramnath Agarwal Charitable Trust's Vishwakarma Institute of Technology, Pune.
78	2025-26	ECE	Navneet Kr Pandey	Advances in Augmented & Virtual Reality and Blockchain Technologies	29-09-2025 to 04-10-2025 | 5 days	Department of CSE and IT, Bansilal Ramnath Agarwal Charitable Trust's Vishwakarma Institute of Technology, Pune.
79	2025-26	ECE	Pankaj Verma	Advances in Augmented & Virtual Reality and Blockchain Technologies	29-09-2025 to 04-10-2025 | 5 days	Department of CSE and IT, Bansilal Ramnath Agarwal Charitable Trust's Vishwakarma Institute of Technology, Pune.
80	2025-26	ECE	Rajeev Singh	Advances in Augmented & Virtual Reality and Blockchain Technologies	29-09-2025 to 04-10-2025 | 5 days	Department of CSE and IT, Bansilal Ramnath Agarwal Charitable Trust's Vishwakarma Institute of Technology, Pune.
81	2025-26	ECE	Ravi Shankar	Advances in Augmented & Virtual Reality and Blockchain Technologies	29-09-2025 to 04-10-2025 | 5 days	Department of CSE and IT, Bansilal Ramnath Agarwal Charitable Trust's Vishwakarma Institute of Technology, Pune.

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Ref.	Session	Dept.	Faculty	Programme	Dates / Duration	Organizer
86	2025-26	ECE	Amit Kumar Singh	NEP 2020 Orientation & Sensitization Programme	04-08-2025 to 14-08-2025 | 10 days	Mahatma Hansraj Malaviya Mission Teacher Training Centre (MH-MMTTC), Hansraj College, University of Delhi in collaboration with BBDITM, Lucknow.
87	2025-26	ECE	Diwakar Singh	NEP 2020 Orientation & Sensitization Programme	04-08-2025 to 14-08-2025 | 10 days	Mahatma Hansraj Malaviya Mission Teacher Training Centre (MH-MMTTC), Hansraj College, University of Delhi in collaboration with BBDITM, Lucknow.
88	2025-26	ECE	Dr. Abhimanyu Yadav	NEP 2020 Orientation & Sensitization Programme	04-08-2025 to 14-08-2025 | 10 days	Mahatma Hansraj Malaviya Mission Teacher Training Centre (MH-MMTTC), Hansraj College, University of Delhi in collaboration with BBDITM, Lucknow.
89	2025-26	ECE	Dr. Dharmesh Kumar	Generative AI	04-08-2025 to 08-08-2025 | 5 days	Brainovision Solutions India Pvt. Ltd. In collaboration with AICTE and hosted by Integral University, Lucknow.
90	2025-26	ECE	Dr. Rupali Agarwal	NEP 2020 Orientation & Sensitization Programme	04-08-2025 to 14-08-2025 | 10 days	Mahatma Hansraj Malaviya Mission Teacher Training Centre (MH-MMTTC), Hansraj College, University of Delhi in collaboration with BBDITM, Lucknow.
91	2025-26	ECE	Dr. Shailendra Tahilyani	NEP 2020 Orientation & Sensitization Programme	04-08-2025 to 14-08-2025 | 10 days	Mahatma Hansraj Malaviya Mission Teacher Training Centre (MH-MMTTC), Hansraj College, University of Delhi in collaboration with BBDITM, Lucknow.
92	2025-26	ECE	Keerti Mishra	NEP 2020 Orientation & Sensitization Programme	04-08-2025 to 14-08-2025 | 10 days	Mahatma Hansraj Malaviya Mission Teacher Training Centre (MH-MMTTC), Hansraj College, University of Delhi in collaboration with BBDITM, Lucknow.
93	2025-26	ECE	Kishan Kumar	NEP 2020 Orientation & Sensitization Programme	04-08-2025 to 14-08-2025 | 10 days	Mahatma Hansraj Malaviya Mission Teacher Training Centre (MH-MMTTC), Hansraj College, University of Delhi in collaboration with BBDITM, Lucknow.
94	2025-26	ECE	Navneet Kr Pandey	NEP 2020 Orientation & Sensitization Programme	04-08-2025 to 14-08-2025 | 10 days	Mahatma Hansraj Malaviya Mission Teacher Training Centre (MH-MMTTC), Hansraj College, University of Delhi in collaboration with BBDITM, Lucknow.
95	2025-26	ECE	Pankaj Verma	NEP 2020 Orientation & Sensitization Programme	04-08-2025 to 14-08-2025 | 10 days	Mahatma Hansraj Malaviya Mission Teacher Training Centre (MH-MMTTC), Hansraj College, University of Delhi in collaboration with BBDITM, Lucknow.

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Ref.	Session	Dept.	Faculty	Programme	Dates / Duration	Organizer
96	2025-26	ECE	Rajeev Singh	NEP 2020 Orientation & Sensitization Programme	04-08-2025 to 14-08-2025 | 10 days	Mahatma Hansraj Malaviya Mission Teacher Training Centre (MH-MMTTC), Hansraj College, University of Delhi in collaboration with BBDITM, Lucknow.
97	2025-26	ECE	Ravi Shankar	NEP 2020 Orientation & Sensitization Programme	04-08-2025 to 14-08-2025 | 10 days	Mahatma Hansraj Malaviya Mission Teacher Training Centre (MH-MMTTC), Hansraj College, University of Delhi in collaboration with BBDITM, Lucknow.
104	2025-26	IT	Ankit Singh	Advancements in Next-Generation Computing and Communications in the IoT Age	136	Sister Nivedita University, Kolkata
410	2025-26	IT	Ankit Singh	Advancements in Next-Generation Computing and Communications in the IoT Age	136	Sister Nivedita University, Kolkata
105	2024-25	ASH/HU	Mr. Mohd. Aquib	Agentic AI and PEGA: Practical Foundations (Five Day Online Faculty Development Program)	16-06-2025 to 20-06-2025 | 5 days	BBD University, IEEE Computational Intelligence Society (Uttar Pradesh Section) & RVS Computing Research Circle
132	2024-25	ASH/HU	Mr. Mohd. Aquib	Computational Techniques and Simulation for Engineering Applications (CTSEA-2025)	02-06-2025 to 06-06-2025 | 5 days	Amity Institute of Engineering & Technology, School of Engineering & Technology, Amity University Lucknow Campus
143	2024-25	ASH/HU	Dr. Neha Pandey	Teaching with Soul: Rediscovering Joy, Balance and Meaning in Academic Work-life	12-05-2025 to 17-05-2025 | 6 days	Post Graduate Department of English and Institution's Innovation Council, Sri Guru Teg Bahadur Khalsa College in collaboration with Nucleus of Learning and Development
144	2024-25	ASH/HU	Dr. Pooja Singh	Teaching with Soul: Rediscovering Joy, Balance and Meaning in Academic Work-life	12-05-2025 to 17-05-2025 | 6 days	Post Graduate Department of English and Institution's Innovation Council, Sri Guru Teg Bahadur Khalsa College in collaboration with Nucleus of Learning and Development
145	2024-25	ASH/HU	Mr. Ravi Gupta	Teaching with Soul: Rediscovering Joy, Balance and Meaning in Academic Work-life	12-05-2025 to 17-05-2025 | 6 days	Post Graduate Department of English and Institution's Innovation Council, Sri Guru Teg Bahadur Khalsa College in collaboration with Nucleus of Learning and Development

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Ref.	Session	Dept.	Faculty	Programme	Dates / Duration	Organizer
146	2024-25	ASH/HU	Ms. Poonam	Teaching with Soul: Rediscovering Joy, Balance and Meaning in Academic Work-life	12-05-2025 to 17-05-2025 | 6 days	Post Graduate Department of English and Institution's Innovation Council, Sri Guru Teg Bahadur Khalsa College in collaboration with Nucleus of Learning and Development
147	2024-25	ASH/HU	Dr. Neha Pandey	Dalit Literature and Postmodern Challenge: Rewriting Identity	24-04-2025 to 30-04-2025 | 1 week	Faculty of Arts, Humanities and Social Sciences, Gokul Global University in collaboration with Nucleus of Learning and Development
148	2024-25	ASH/HU	Dr. Pooja Singh	Dalit Literature and Postmodern Challenge: Rewriting Identity	24-04-2025 to 30-04-2025 | 1 week	Faculty of Arts, Humanities and Social Sciences, Gokul Global University in collaboration with Nucleus of Learning and Development
149	2024-25	ASH/HU	Mr. Ravi Gupta	Dalit Literature and Postmodern Challenge: Rewriting Identity	24-04-2025 to 30-04-2025 | 1 week	Faculty of Arts, Humanities and Social Sciences, Gokul Global University in collaboration with Nucleus of Learning and Development
150	2024-25	ASH/HU	Ms. Poonam	Dalit Literature and Postmodern Challenge: Rewriting Identity	24-04-2025 to 30-04-2025 | 1 week	Faculty of Arts, Humanities and Social Sciences, Gokul Global University in collaboration with Nucleus of Learning and Development
151	2024-25	ASH/HU	Mr. Mohd. Aquib	Innovation and Entrepreneurship	25-03-2025 to 29-03-2025 | 5 days	Innovation Hub, Dr. A.P.J. Abdul Kalam Technical University (AKTU), Lucknow in association with AICTE & Ministry of Education's Innovation Cell (MIC)
163	2024-25	ASH/HU	Mr. Mohd. Aquib	Faculty Development Program on BIM	24-03-2025 to 29-03-2025 | 6 days	Autodesk, NICMAR Delhi-NCR Campus & Tata Projects, supported by SW Systems
175	2024-25	ASH/HU	Dr. Neha Pandey	Structural Equation Modelling: Advances in Research Methodology and Research Publications	27-01-2025 to 31-01-2025 | 5 days	Greater Noida Institute of Technology (MBA Institute)
176	2024-25	ASH/HU	Dr. Pooja Singh	Structural Equation Modelling: Advances in Research Methodology and Research Publications	27-01-2025 to 31-01-2025 | 5 days	Greater Noida Institute of Technology (MBA Institute)
177	2024-25	ASH/HU	Ms. Poonam	Structural Equation Modelling: Advances in Research Methodology and Research Publications	27-01-2025 to 31-01-2025 | 5 days	Greater Noida Institute of Technology (MBA Institute)
212	2024-25	ASH/HU	Dr. Neha Pandey	Generative AI and Advanced Tools for Academic Research	23-09-2024 to 29-09-2024 | 1 week	SCROLLWELL

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Ref.	Session	Dept.	Faculty	Programme	Dates / Duration	Organizer
213	2024-25	ASH/HU	Mr. Mohd. Aquib	Recent Trends in Civil and Mechanical Engineering	09-09-2024 to 14-09-2024 | 6 days	Department of Civil Engineering & Department of Mechanical Engineering, BBDITM
106	2024-25	CE	Dr. D.S.Ray	Agentic AI and PEGA: Practical Foundations (Five Day Online Faculty Development Program)	16-06-2025 to 20-06-2025 | 5 days	BBD University, IEEE Computational Intelligence Society (Uttar Pradesh Section) & RVS Computing Research Circle
107	2024-25	CE	Dr. Supriya Phurailatpam	Agentic AI and PEGA: Practical Foundations (Five Day Online Faculty Development Program)	16-06-2025 to 20-06-2025 | 5 days	BBD University, IEEE Computational Intelligence Society (Uttar Pradesh Section) & RVS Computing Research Circle
108	2024-25	CE	Mr. Abhay Yadav	Agentic AI and PEGA: Practical Foundations (Five Day Online Faculty Development Program)	16-06-2025 to 20-06-2025 | 5 days	BBD University, IEEE Computational Intelligence Society (Uttar Pradesh Section) & RVS Computing Research Circle
109	2024-25	CE	Mr. Ashish Verma	Agentic AI and PEGA: Practical Foundations (Five Day Online Faculty Development Program)	16-06-2025 to 20-06-2025 | 5 days	BBD University, IEEE Computational Intelligence Society (Uttar Pradesh Section) & RVS Computing Research Circle
110	2024-25	CE	Mr. Ashwani Kumar Pandey	Agentic AI and PEGA: Practical Foundations (Five Day Online Faculty Development Program)	16-06-2025 to 20-06-2025 | 5 days	BBD University, IEEE Computational Intelligence Society (Uttar Pradesh Section) & RVS Computing Research Circle
111	2024-25	CE	Mr. Avinash Kumar Upadhayay	Agentic AI and PEGA: Practical Foundations (Five Day Online Faculty Development Program)	16-06-2025 to 20-06-2025 | 5 days	BBD University, IEEE Computational Intelligence Society (Uttar Pradesh Section) & RVS Computing Research Circle
112	2024-25	CE	Mr. Mohit Choubey	Agentic AI and PEGA: Practical Foundations (Five Day Online Faculty Development Program)	16-06-2025 to 20-06-2025 | 5 days	BBD University, IEEE Computational Intelligence Society (Uttar Pradesh Section) & RVS Computing Research Circle
113	2024-25	CE	Mr. Navneet Singh Yadav	Agentic AI and PEGA: Practical Foundations (Five Day Online Faculty Development Program)	16-06-2025 to 20-06-2025 | 5 days	BBD University, IEEE Computational Intelligence Society (Uttar Pradesh Section) & RVS Computing Research Circle
114	2024-25	CE	Mrs. Shruti Singh Bisen	Agentic AI and PEGA: Practical Foundations (Five Day Online Faculty Development Program)	16-06-2025 to 20-06-2025 | 5 days	BBD University, IEEE Computational Intelligence Society (Uttar Pradesh Section) & RVS Computing Research Circle

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Ref.	Session	Dept.	Faculty	Programme	Dates / Duration	Organizer
115	2024-25	CE	Ms. Kajal Singh	Agentic AI and PEGA: Practical Foundations (Five Day Online Faculty Development Program)	16-06-2025 to 20-06-2025 | 5 days	BBD University, IEEE Computational Intelligence Society (Uttar Pradesh Section) & RVS Computing Research Circle
133	2024-25	CE	Dr. D.S.Ray	Computational Techniques and Simulation for Engineering Applications (CTSEA-2025)	02-06-2025 to 06-06-2025 | 5 days	Amity Institute of Engineering & Technology, School of Engineering & Technology, Amity University Lucknow Campus
134	2024-25	CE	Dr. Supriya Phurailatpam	Computational Techniques and Simulation for Engineering Applications (CTSEA-2025)	02-06-2025 to 06-06-2025 | 5 days	Amity Institute of Engineering & Technology, School of Engineering & Technology, Amity University Lucknow Campus
135	2024-25	CE	Mr. Abhay Yadav	Computational Techniques and Simulation for Engineering Applications (CTSEA-2025)	02-06-2025 to 06-06-2025 | 5 days	Amity Institute of Engineering & Technology, School of Engineering & Technology, Amity University Lucknow Campus
136	2024-25	CE	Mr. Ashish Verma	Computational Techniques and Simulation for Engineering Applications (CTSEA-2025)	02-06-2025 to 06-06-2025 | 5 days	Amity Institute of Engineering & Technology, School of Engineering & Technology, Amity University Lucknow Campus
137	2024-25	CE	Mr. Ashwani Kumar Pandey	Computational Techniques and Simulation for Engineering Applications (CTSEA-2025)	02-06-2025 to 06-06-2025 | 5 days	Amity Institute of Engineering & Technology, School of Engineering & Technology, Amity University Lucknow Campus
138	2024-25	CE	Mr. Avinash Kumar Upadhayay	Computational Techniques and Simulation for Engineering Applications (CTSEA-2025)	02-06-2025 to 06-06-2025 | 5 days	Amity Institute of Engineering & Technology, School of Engineering & Technology, Amity University Lucknow Campus
139	2024-25	CE	Mr. Mohit Choubey	Computational Techniques and Simulation for Engineering Applications (CTSEA-2025)	02-06-2025 to 06-06-2025 | 5 days	Amity Institute of Engineering & Technology, School of Engineering & Technology, Amity University Lucknow Campus
140	2024-25	CE	Mr. Navneet Singh Yadav	Computational Techniques and Simulation for Engineering Applications (CTSEA-2025)	02-06-2025 to 06-06-2025 | 5 days	Amity Institute of Engineering & Technology, School of Engineering & Technology, Amity University Lucknow Campus

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Ref.	Session	Dept.	Faculty	Programme	Dates / Duration	Organizer
141	2024-25	CE	Mrs. Shruti Singh Bisen	Computational Techniques and Simulation for Engineering Applications (CTSEA-2025)	02-06-2025 to 06-06-2025 | 5 days	Amity Institute of Engineering & Technology, School of Engineering & Technology, Amity University Lucknow Campus
142	2024-25	CE	Ms. Kajal Singh	Computational Techniques and Simulation for Engineering Applications (CTSEA-2025)	02-06-2025 to 06-06-2025 | 5 days	Amity Institute of Engineering & Technology, School of Engineering & Technology, Amity University Lucknow Campus
152	2024-25	CE	Dr. D.S.Ray	Innovation and Entrepreneurship	25-03-2025 to 29-03-2025 | 5 days	Innovation Hub, Dr. A.P.J. Abdul Kalam Technical University (AKTU), Lucknow in association with AICTE & Ministry of Education's Innovation Cell (MIC)
153	2024-25	CE	Dr. Supriya Phurailatpam	Innovation and Entrepreneurship	25-03-2025 to 29-03-2025 | 5 days	Innovation Hub, Dr. A.P.J. Abdul Kalam Technical University (AKTU), Lucknow in association with AICTE & Ministry of Education's Innovation Cell (MIC)
154	2024-25	CE	Mr. Abhay Yadav	Innovation and Entrepreneurship	25-03-2025 to 29-03-2025 | 5 days	Innovation Hub, Dr. A.P.J. Abdul Kalam Technical University (AKTU), Lucknow in association with AICTE & Ministry of Education's Innovation Cell (MIC)
155	2024-25	CE	Mr. Ashish Verma	Innovation and Entrepreneurship	25-03-2025 to 29-03-2025 | 5 days	Innovation Hub, Dr. A.P.J. Abdul Kalam Technical University (AKTU), Lucknow in association with AICTE & Ministry of Education's Innovation Cell (MIC)
156	2024-25	CE	Mr. Ashwani Kumar Pandey	Innovation and Entrepreneurship	25-03-2025 to 29-03-2025 | 5 days	Innovation Hub, Dr. A.P.J. Abdul Kalam Technical University (AKTU), Lucknow in association with AICTE & Ministry of Education's Innovation Cell (MIC)
157	2024-25	CE	Mr. Avinash Kumar Upadhayay	Innovation and Entrepreneurship	25-03-2025 to 29-03-2025 | 5 days	Innovation Hub, Dr. A.P.J. Abdul Kalam Technical University (AKTU), Lucknow in association with AICTE & Ministry of Education's Innovation Cell (MIC)
158	2024-25	CE	Mr. Mohit Choubey	Innovation and Entrepreneurship	25-03-2025 to 29-03-2025 | 5 days	Innovation Hub, Dr. A.P.J. Abdul Kalam Technical University (AKTU), Lucknow in association with AICTE & Ministry of Education's Innovation Cell (MIC)

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Ref.	Session	Dept.	Faculty	Programme	Dates / Duration	Organizer
159	2024-25	CE	Mr. Navneet Singh Yadav	Innovation and Entrepreneurship	25-03-2025 to 29-03-2025 | 5 days	Innovation Hub, Dr. A.P.J. Abdul Kalam Technical University (AKTU), Lucknow in association with AICTE & Ministry of Education's Innovation Cell (MIC)
160	2024-25	CE	Mrs. Shruti Singh Bisen	Innovation and Entrepreneurship	25-03-2025 to 29-03-2025 | 5 days	Innovation Hub, Dr. A.P.J. Abdul Kalam Technical University (AKTU), Lucknow in association with AICTE & Ministry of Education's Innovation Cell (MIC)
161	2024-25	CE	Ms. Kajal Singh	Innovation and Entrepreneurship	25-03-2025 to 29-03-2025 | 5 days	Innovation Hub, Dr. A.P.J. Abdul Kalam Technical University (AKTU), Lucknow in association with AICTE & Ministry of Education's Innovation Cell (MIC)
164	2024-25	CE	Dr. D.S.Ray	Faculty Development Program on BIM	24-03-2025 to 29-03-2025 | 6 days	Autodesk, NICMAR Delhi-NCR Campus & Tata Projects, supported by SW Systems
165	2024-25	CE	Dr. Supriya Phurailatpam	Faculty Development Program on BIM	24-03-2025 to 29-03-2025 | 6 days	Autodesk, NICMAR Delhi-NCR Campus & Tata Projects, supported by SW Systems
166	2024-25	CE	Mr. Abhay Yadav	Faculty Development Program on BIM	24-03-2025 to 29-03-2025 | 6 days	Autodesk, NICMAR Delhi-NCR Campus & Tata Projects, supported by SW Systems
167	2024-25	CE	Mr. Ashish Verma	Faculty Development Program on BIM	24-03-2025 to 29-03-2025 | 6 days	Autodesk, NICMAR Delhi-NCR Campus & Tata Projects, supported by SW Systems
168	2024-25	CE	Mr. Ashwani Kumar Pandey	Faculty Development Program on BIM	24-03-2025 to 29-03-2025 | 6 days	Autodesk, NICMAR Delhi-NCR Campus & Tata Projects, supported by SW Systems
169	2024-25	CE	Mr. Avinash Kumar Upadhayay	Faculty Development Program on BIM	24-03-2025 to 29-03-2025 | 6 days	Autodesk, NICMAR Delhi-NCR Campus & Tata Projects, supported by SW Systems
170	2024-25	CE	Mr. Mohit Choubey	Faculty Development Program on BIM	24-03-2025 to 29-03-2025 | 6 days	Autodesk, NICMAR Delhi-NCR Campus & Tata Projects, supported by SW Systems
171	2024-25	CE	Mr. Navneet Singh Yadav	Faculty Development Program on BIM	24-03-2025 to 29-03-2025 | 6 days	Autodesk, NICMAR Delhi-NCR Campus & Tata Projects, supported by SW Systems
172	2024-25	CE	Mrs. Shruti Singh Bisen	Faculty Development Program on BIM	24-03-2025 to 29-03-2025 | 6 days	Autodesk, NICMAR Delhi-NCR Campus & Tata Projects, supported by SW Systems
173	2024-25	CE	Ms. Kajal Singh	Faculty Development Program on BIM	24-03-2025 to 29-03-2025 | 6 days	Autodesk, NICMAR Delhi-NCR Campus & Tata Projects, supported by SW Systems
214	2024-25	CE	Dr. D.S.Ray	Recent Trends in Civil and Mechanical Engineering	09-09-2024 to 14-09-2024 | 6 days	Department of Civil Engineering & Department of Mechanical Engineering, BBDITM

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Ref.	Session	Dept.	Faculty	Programme	Dates / Duration	Organizer
215	2024-25	CE	Dr. Supriya Phurailatpam	Recent Trends in Civil and Mechanical Engineering	09-09-2024 to 14-09-2024 | 6 days	Department of Civil Engineering & Department of Mechanical Engineering, BBDITM
216	2024-25	CE	Mr. Abhay Yadav	Recent Trends in Civil and Mechanical Engineering	09-09-2024 to 14-09-2024 | 6 days	Department of Civil Engineering & Department of Mechanical Engineering, BBDITM
217	2024-25	CE	Mr. Ashish Verma	Recent Trends in Civil and Mechanical Engineering	09-09-2024 to 14-09-2024 | 6 days	Department of Civil Engineering & Department of Mechanical Engineering, BBDITM
218	2024-25	CE	Mr. Ashwani Kumar Pandey	Recent Trends in Civil and Mechanical Engineering	09-09-2024 to 14-09-2024 | 6 days	Department of Civil Engineering & Department of Mechanical Engineering, BBDITM
219	2024-25	CE	Mr. Avinash Kumar Upadhayay	Recent Trends in Civil and Mechanical Engineering	09-09-2024 to 14-09-2024 | 6 days	Department of Civil Engineering & Department of Mechanical Engineering, BBDITM
220	2024-25	CE	Mr. Mohit Choubey	Recent Trends in Civil and Mechanical Engineering	09-09-2024 to 14-09-2024 | 6 days	Department of Civil Engineering & Department of Mechanical Engineering, BBDITM
221	2024-25	CE	Mr. Navneet Singh Yadav	Recent Trends in Civil and Mechanical Engineering	09-09-2024 to 14-09-2024 | 6 days	Department of Civil Engineering & Department of Mechanical Engineering, BBDITM
222	2024-25	CE	Mrs. Shruti Singh Bisen	Recent Trends in Civil and Mechanical Engineering	09-09-2024 to 14-09-2024 | 6 days	Department of Civil Engineering & Department of Mechanical Engineering, BBDITM
223	2024-25	CE	Ms. Kajal Singh	Recent Trends in Civil and Mechanical Engineering	09-09-2024 to 14-09-2024 | 6 days	Department of Civil Engineering & Department of Mechanical Engineering, BBDITM
224	2024-25	CE	Ms. Shivangi Singh	Recent Trends in Civil and Mechanical Engineering	09-09-2024 to 14-09-2024 | 6 days	Department of Civil Engineering & Department of Mechanical Engineering, BBDITM
234	2024-25	CSE	Ms. Archana Dwivedi	FDP on High Performance Computing (HPC)	136	C-DAC, Bangalore
411	2024-25	CSE	Ms. Archana Dwivedi	FDP on High Performance Computing (HPC)	136	C-DAC, Bangalore
116	2024-25	ECE	Dr. Abhimanyu Yadav	Agentic AI and PEGA : Practical Foundations	16-06-2025 to 20-06-2025 | 5 days	Babu Banarasi Das University, Lucknow.
117	2024-25	ECE	Dr. Abhimanyu Yadav	Next Generation Technologies in Electronics and Computer Science Trends and Teaching Approaches	16-06-2025 to 20-06-2025 | 5 days	Greater Kolkata College of Engineering & Management, Kolkata.

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Ref.	Session	Dept.	Faculty	Programme	Dates / Duration	Organizer
118	2024-25	ECE	Dr. Rupali Agarwal	Agentic AI and PEGA : Practical Foundations	16-06-2025 to 20-06-2025 | 5 days	Babu Banarasi Das University, Lucknow.
119	2024-25	ECE	Dr. Rupali Agarwal	Next Generation Technologies in Electronics and Computer Science Trends and Teaching Approaches	16-06-2025 to 20-06-2025 | 5 days	Greater Kolkata College of Engineering & Management
120	2024-25	ECE	Mr. Amit Kumar Singh	Agentic AI and PEGA : Practical Foundations	16-06-2025 to 20-06-2025 | 5 days	Babu Banarasi Das University, Lucknow.
121	2024-25	ECE	Mr. Amit Kumar Singh	Next Generation Technologies in Electronics and Computer Science Trends and Teaching Approaches	16-06-2025 to 20-06-2025 | 5 days	Greater Kolkata College of Engineering & Management
122	2024-25	ECE	Mr. Diwakar Singh	Agentic AI and PEGA : Practical Foundations	16-06-2025 to 20-06-2025 | 5 days	Babu Banarasi Das University, Lucknow.
123	2024-25	ECE	Mr. Diwakar Singh	Next Generation Technologies in Electronics and Computer Science Trends and Teaching Approaches	16-06-2025 to 20-06-2025 | 5 days	Greater Kolkata College of Engineering & Management, Kolkata.
124	2024-25	ECE	Mr. Kishan Kumar	Next Generation Technologies in Electronics and Computer Science Trends and Teaching Approaches	16-06-2025 to 20-06-2025 | 5 days	Greater Kolkata College of Engineering & Management, Kolkata.
125	2024-25	ECE	Mr. Navneet Kr Pandey	Next Generation Technologies in Electronics and Computer Science Trends and Teaching Approaches	16-06-2025 to 20-06-2025 | 5 days	Greater Kolkata College of Engineering & Management
126	2024-25	ECE	Mr. Pankaj Verma	Next Generation Technologies in Electronics and Computer Science Trends and Teaching Approaches	16-06-2025 to 20-06-2025 | 5 days	Greater Kolkata College of Engineering & Management, Kolkata.
127	2024-25	ECE	Mr. Rajeev Singh	Next Generation Technologies in Electronics and Computer Science Trends and Teaching Approaches	16-06-2025 to 20-06-2025 | 5 days	Greater Kolkata College of Engineering & Management
128	2024-25	ECE	Mr. Ravi Shankar	Agentic AI and PEGA : Practical Foundations	16-06-2025 to 20-06-2025 | 5 days	Babu Banarasi Das University, Lucknow.
129	2024-25	ECE	Mr. Ravi Shankar	Next Generation Technologies in Electronics and Computer Science Trends and Teaching Approaches	16-06-2025 to 20-06-2025 | 5 days	Greater Kolkata College of Engineering & Management, Kolkata.
130	2024-25	ECE	Mrs. Keerti Mishra	Agentic AI and PEGA : Practical Foundations	16-06-2025 to 20-06-2025 | 5 days	Babu Banarasi Das University, Lucknow.
131	2024-25	ECE	Mrs. Keerti Mishra	Next Generation Technologies in Electronics and Computer Science Trends and Teaching Approaches	16-06-2025 to 20-06-2025 | 5 days	Greater Kolkata College of Engineering & Management, Kolkata.
162	2024-25	ECE	Dr. Rupali Agarwal	Innovation and Entrepreneurship	25-03-2025 to 29-03-2025 | 5 days	AICTE and Ministry of Education's Innovation Cell
174	2024-25	ECE	Mr. Dharmesh Kumar	Teaching ECE Lab subjects using free Simulators	03-03-2025 to 07-03-2025 | 5 days	Manav Rachna International Institute of Research and Studies, Faridabad, Haryana

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Ref.	Session	Dept.	Faculty	Programme	Dates / Duration	Organizer
178	2024-25	ECE	Mr. Dharmesh Kumar	Emerging Advancements in Electric Vehicle Technology	27-01-2025 to 31-01-2025 | 1 week	Department of Mechanical Engineering, SLIET Longowal
179	2024-25	ECE	Dr. Abhimanyu Yadav	Data Visualization with Power BI	07-01-2025 to 11-01-2025 | 5 days	BBDNIIT in association with Learn and Build
180	2024-25	ECE	Dr. Rupali Agarwal	Data Visualization with Power BI	07-01-2025 to 11-01-2025 | 5 days	BBDNIIT in association with Learn and Build
181	2024-25	ECE	Dr. Shailendra Tahilyani	Data Visualization with Power BI	07-01-2025 to 11-01-2025 | 5 days	BBDNIIT in association with Learn and Build
182	2024-25	ECE	Mr. Amit Kumar Singh	Data Visualization with Power BI	07-01-2025 to 11-01-2025 | 5 days	BBDNIIT in association with Learn and Build
183	2024-25	ECE	Mr. Diwakar Singh	Data Visualization with Power BI	07-01-2025 to 11-01-2025 | 5 days	BBDNIIT in association with Learn and Build
184	2024-25	ECE	Mr. Kishan Kumar	Data Visualization with Power BI	07-01-2025 to 11-01-2025 | 5 days	BBDNIIT in association with Learn and Build
185	2024-25	ECE	Mr. Navneet Kr Pandey	Data Visualization with Power BI	07-01-2025 to 11-01-2025 | 5 days	BBDNIIT in association with Learn and Build
186	2024-25	ECE	Mr. Pankaj Verma	Data Visualization with Power BI	07-01-2025 to 11-01-2025 | 5 days	BBDNIIT in association with Learn and Build
187	2024-25	ECE	Mr. Rajeev Singh	Data Visualization with Power BI	07-01-2025 to 11-01-2025 | 5 days	BBDNIIT in association with Learn and Build
188	2024-25	ECE	Mr. Ravi Shankar	Data Visualization with Power BI	07-01-2025 to 11-01-2025 | 5 days	BBDNIIT in association with Learn and Build
189	2024-25	ECE	Mrs. Keerti Mishra	Data Visualization with Power BI	07-01-2025 to 11-01-2025 | 5 days	BBDNIIT in association with Learn and Build
190	2024-25	ECE	Mr. Dharmesh Kumar	Futuristic Trends in Clean Energy and Manufacturing Technologies	30-12-2024 to 04-01-2025 | 1 week	Human Resource Development Cell (HRDC), Harcourt Butler Technical University, Kanpur (HBTUK)
191	2024-25	ECE	Dr. Abhimanyu Yadav	Future Trends and Design Challenges in 5G/6G	18-11-2024 to 23-11-2024 | 6 days	Vel Tech Multi Tech Dr. Rangrajan Dr Shakunthala Engg Coll, Avadi Chennai
192	2024-25	ECE	Dr. Rupali Agarwal	Future Trends and Design Challenges in 5G/6G	18-11-2024 to 23-11-2024 | 6 days	Vel Tech Multi Tech Dr. Rangrajan Dr Shakunthala Engg Coll, Avadi Chennai
193	2024-25	ECE	Dr. Shailendra Tahilyani	Future Trends and Design Challenges in 5G/6G	18-11-2024 to 23-11-2024 | 6 days	Vel Tech Multi Tech Dr. Rangrajan Dr Shakunthala Engg Coll, Avadi Chennai

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Ref.	Session	Dept.	Faculty	Programme	Dates / Duration	Organizer
194	2024-25	ECE	Mr. Amit Kumar Singh	Future Trends and Design Challenges in 5G/6G	18-11-2024 to 23-11-2024 | 6 days	Vel Tech Multi Tech Dr. Rangrajan Dr Shakunthala Engg Coll, Avadi Chennai
195	2024-25	ECE	Mr. Diwakar Singh	Future Trends and Design Challenges in 5G/6G	18-11-2024 to 23-11-2024 | 6 days	Vel Tech Multi Tech Dr. Rangrajan Dr Shakunthala Engg Coll, Avadi Chennai
196	2024-25	ECE	Mr. Kishan Kumar	Future Trends and Design Challenges in 5G/6G	18-11-2024 to 23-11-2024 | 6 days	Vel Tech Multi Tech Dr. Rangrajan Dr Shakunthala Engg Coll, Avadi Chennai
197	2024-25	ECE	Mr. Navneet Kr Pandey	Future Trends and Design Challenges in 5G/6G	18-11-2024 to 23-11-2024 | 6 days	Vel Tech Multi Tech Dr. Rangrajan Dr Shakunthala Engg Coll, Avadi Chennai
198	2024-25	ECE	Mr. Pankaj Verma	Future Trends and Design Challenges in 5G/6G	18-11-2024 to 23-11-2024 | 6 days	Vel Tech Multi Tech Dr. Rangrajan Dr Shakunthala Engg Coll, Avadi Chennai
199	2024-25	ECE	Mr. Rajeev Singh	Future Trends and Design Challenges in 5G/6G	18-11-2024 to 23-11-2024 | 6 days	Vel Tech Multi Tech Dr. Rangrajan Dr Shakunthala Engg Coll, Avadi Chennai
200	2024-25	ECE	Mr. Ravi Shankar	Future Trends and Design Challenges in 5G/6G	18-11-2024 to 23-11-2024 | 6 days	Vel Tech Multi Tech Dr. Rangrajan Dr Shakunthala Engg Coll, Avadi Chennai
201	2024-25	ECE	Mrs. Keerti Mishra	Future Trends and Design Challenges in 5G/6G	18-11-2024 to 23-11-2024 | 6 days	Vel Tech Multi Tech Dr. Rangrajan Dr Shakunthala Engg Coll, Avadi Chennai
202	2024-25	ECE	Dr. Abhimanyu Yadav	Communication, Signal Processing and Recent Technologies for Different Applications	22-10-2024 to 28-10-2024 | 1 week	IEEE MTT-S student Branch Chapter (BBIT) and ISF-BBIT
203	2024-25	ECE	Dr. Rupali Agarwal	Communication, Signal Processing and Recent Technologies for Different Applications	22-10-2024 to 28-10-2024 | 1 week	IEEE MTT-S student Branch Chapter (BBIT) and ISF-BBIT
204	2024-25	ECE	Mr. Amit Kumar Singh	Communication, Signal Processing and Recent Technologies for Different Applications	22-10-2024 to 28-10-2024 | 1 week	IEEE MTT-S student Branch Chapter (BBIT) and ISF-BBIT
205	2024-25	ECE	Mr. Diwakar Singh	Communication, Signal Processing and Recent Technologies for Different Applications	22-10-2024 to 28-10-2024 | 1 week	IEEE MTT-S student Branch Chapter (BBIT) and ISF-BBIT
206	2024-25	ECE	Mr. Kishan Kumar	Communication, Signal Processing and Recent Technologies for Different Applications	22-10-2024 to 28-10-2024 | 1 week	IEEE MTT-S student Branch Chapter (BBIT) and ISF-BBIT
207	2024-25	ECE	Mr. Navneet Kr Pandey	Communication, Signal Processing and Recent Technologies for Different Applications	22-10-2024 to 28-10-2024 | 1 week	IEEE MTT-S student Branch Chapter (BBIT) and ISF-BBIT
208	2024-25	ECE	Mr. Pankaj Verma	Communication, Signal Processing and Recent Technologies for Different Applications	22-10-2024 to 28-10-2024 | 1 week	IEEE MTT-S student Branch Chapter (BBIT) and ISF-BBIT
209	2024-25	ECE	Mr. Rajeev Singh	Communication, Signal Processing and Recent Technologies for Different Applications	22-10-2024 to 28-10-2024 | 1 week	IEEE MTT-S student Branch Chapter (BBIT) and ISF-BBIT

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Ref.	Session	Dept.	Faculty	Programme	Dates / Duration	Organizer
210	2024-25	ECE	Mr. Ravi Shankar	Communication, Signal Processing and Recent Technologies for Different Applications	22-10-2024 to 28-10-2024 | 1 week	IEEE MTT-S student Branch Chapter (BBIT) and ISF-BBIT
211	2024-25	ECE	Mrs. Keerti Mishra	Communication, Signal Processing and Recent Technologies for Different Applications	22-10-2024 to 28-10-2024 | 1 week	IEEE MTT-S student Branch Chapter (BBIT) and ISF-BBIT
225	2024-25	ECE	Dr. Abhimanyu Yadav	Design and development of Biomedical Antennas	22-07-2024 to 28-07-2024 | 1 week	KIET Group of Institutions
226	2024-25	ECE	Dr. Rupali Agarwal	Design and development of Biomedical Antennas	22-07-2024 to 28-07-2024 | 1 week	KIET Group of Institutions
227	2024-25	ECE	Mr. Diwakar Singh	Design and development of Biomedical Antennas	22-07-2024 to 28-07-2024 | 1 week	KIET Group of Institutions
228	2024-25	ECE	Mr. Kishan Kumar	Design and development of Biomedical Antennas	22-07-2024 to 28-07-2024 | 1 week	KIET Group of Institutions
229	2024-25	ECE	Mr. Navneet Kr Pandey	Design and development of Biomedical Antennas	22-07-2024 to 28-07-2024 | 1 week	KIET Group of Institutions
230	2024-25	ECE	Mr. Pankaj Verma	Design and development of Biomedical Antennas	22-07-2024 to 28-07-2024 | 1 week	KIET Group of Institutions
231	2024-25	ECE	Mr. Rajeev Singh	Design and development of Biomedical Antennas	22-07-2024 to 28-07-2024 | 1 week	KIET Group of Institutions
232	2024-25	ECE	Mr. Ravi Shankar	Design and development of Biomedical Antennas	22-07-2024 to 28-07-2024 | 1 week	KIET Group of Institutions
233	2024-25	ECE	Mrs. Keerti Mishra	Design and development of Biomedical Antennas	22-07-2024 to 28-07-2024 | 1 week	KIET Group of Institutions
235	2024-25	IT	Dr. Santosh Kumar Shukla	Complex Networks Analysis Using Python	136	BBDITM Lucknow in association with NITTTR Chandigarh
412	2024-25	IT	Dr. Santosh Kumar Shukla	Complex Networks Analysis Using Python	136	BBDITM Lucknow in association with NITTTR Chandigarh
236	2024-25	IT	Dr. Usha Sharma	Building Web Development Solutions with Cloud Computing	136	Edunet Foundation and AICTE Next Gen Employability Program
237	2024-25	IT	Dr. Usha Sharma	IoT with Drones	136	E&ICT Academy, IIT Kanpur
413	2024-25	IT	Dr. Usha Sharma	Building Web Development Solutions with Cloud Computing	136	Edunet Foundation and AICTE Next Gen Employability Program
414	2024-25	IT	Dr. Usha Sharma	IoT with Drones	136	E&ICT Academy, IIT Kanpur
238	2024-25	IT	Shailja Pandey	Deep Learning for Engineering Applications	136	NITTTR Chandigarh

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415	2024-25	IT	Shailja Pandey	Deep Learning for Engineering Applications	136	NITTTR Chandigarh
240	2023-24	ASH/HU	Mr. Mohd. Aquib	Advanced Materials Characterization Techniques	20-05-2024 to 24-05-2024 | 5 days	Department of Plastic Technology, School of Chemical Technology, Harcourt Butler Technical University (HBTU), Kanpur
251	2023-24	ASH/HU	Mr. Mohd. Aquib	Generative AI (One Week Faculty Development Programme)	29-04-2024 to 03-05-2024 | 5 days	Departments of Electronics & Communication Engineering and Electrical Engineering, BBDNIIT, Lucknow in association with Learn and Build (LiB)
287	2023-24	ASH/HU	Mr. Mohd. Aquib	Challenges & Recent Trends in Mathematical Modelling and Scientific Computing (CRTMMSC-2023)	18-12-2023 to 23-12-2023 | 6 days	Department of Mathematics, Harcourt Butler Technical University (HBTU), Kanpur
309	2023-24	ASH/HU	Mr. Mohd. Aquib	Trends in Technological Intelligence 2023 (T2I-2023) (Five Days Online Faculty Development Programme)	21-08-2023 to 25-08-2023 | 5 days	Departments of Electronics & Communication Engineering and Electrical Engineering, BBD Northern India Institute of Technology (BBDNIIT), Lucknow
320	2023-24	ASH/HU	Mr. Mohd. Aquib	Architectural Design Pedagogy for Engaging Studio Experiences	31-07-2023 to 04-08-2023 | 5 days	Amity School of Architecture & Planning, Amity University Chhattisgarh
241	2023-24	CE	Dr. D.S.Ray	Advanced Materials Characterization Techniques	20-05-2024 to 24-05-2024 | 5 days	Department of Plastic Technology, School of Chemical Technology, Harcourt Butler Technical University (HBTU), Kanpur
242	2023-24	CE	Dr. Supriya Phurailatpam	Advanced Materials Characterization Techniques	20-05-2024 to 24-05-2024 | 5 days	Department of Plastic Technology, School of Chemical Technology, Harcourt Butler Technical University (HBTU), Kanpur
243	2023-24	CE	Mr. Abhay Yadav	Advanced Materials Characterization Techniques	20-05-2024 to 24-05-2024 | 5 days	Department of Plastic Technology, School of Chemical Technology, Harcourt Butler Technical University (HBTU), Kanpur
244	2023-24	CE	Mr. Ashish Verma	Advanced Materials Characterization Techniques	20-05-2024 to 24-05-2024 | 5 days	Department of Plastic Technology, School of Chemical Technology, Harcourt Butler Technical University (HBTU), Kanpur
245	2023-24	CE	Mr. Ashwani Kumar Pandey	Advanced Materials Characterization Techniques	20-05-2024 to 24-05-2024 | 5 days	Department of Plastic Technology, School of Chemical Technology, Harcourt Butler Technical University (HBTU), Kanpur
246	2023-24	CE	Mr. Avinash Kumar Upadhayay	Advanced Materials Characterization Techniques	20-05-2024 to 24-05-2024 | 5 days	Department of Plastic Technology, School of Chemical Technology, Harcourt Butler Technical University (HBTU), Kanpur

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Ref.	Session	Dept.	Faculty	Programme	Dates / Duration	Organizer
247	2023-24	CE	Mr. Mohit Choubey	Advanced Materials Characterization Techniques	20-05-2024 to 24-05-2024 | 5 days	Department of Plastic Technology, School of Chemical Technology, Harcourt Butler Technical University (HBTU), Kanpur
248	2023-24	CE	Mr. Navneet Singh Yadav	Advanced Materials Characterization Techniques	20-05-2024 to 24-05-2024 | 5 days	Department of Plastic Technology, School of Chemical Technology, Harcourt Butler Technical University (HBTU), Kanpur
249	2023-24	CE	Mrs. Shruti Singh Bisen	Advanced Materials Characterization Techniques	20-05-2024 to 24-05-2024 | 5 days	Department of Plastic Technology, School of Chemical Technology, Harcourt Butler Technical University (HBTU), Kanpur
250	2023-24	CE	Ms. Kajal Singh	Advanced Materials Characterization Techniques	20-05-2024 to 24-05-2024 | 5 days	Department of Plastic Technology, School of Chemical Technology, Harcourt Butler Technical University (HBTU), Kanpur
252	2023-24	CE	Dr. D.S.Ray	Generative AI (One Week Faculty Development Programme)	29-04-2024 to 03-05-2024 | 5 days	Departments of Electronics & Communication Engineering and Electrical Engineering, BBDNIIT, Lucknow in association with Learn and Build (LiB)
253	2023-24	CE	Dr. Supriya Phurailatpam	Generative AI (One Week Faculty Development Programme)	29-04-2024 to 03-05-2024 | 5 days	Departments of Electronics & Communication Engineering and Electrical Engineering, BBDNIIT, Lucknow in association with Learn and Build (LiB)
254	2023-24	CE	Mr. Abhay Yadav	Generative AI (One Week Faculty Development Programme)	29-04-2024 to 03-05-2024 | 5 days	Departments of Electronics & Communication Engineering and Electrical Engineering, BBDNIIT, Lucknow in association with Learn and Build (LiB)
255	2023-24	CE	Mr. Ashish Verma	Generative AI (One Week Faculty Development Programme)	29-04-2024 to 03-05-2024 | 5 days	Departments of Electronics & Communication Engineering and Electrical Engineering, BBDNIIT, Lucknow in association with Learn and Build (LiB)
256	2023-24	CE	Mr. Ashwani Kumar Pandey	Generative AI (One Week Faculty Development Programme)	29-04-2024 to 03-05-2024 | 5 days	Departments of Electronics & Communication Engineering and Electrical Engineering, BBDNIIT, Lucknow in association with Learn and Build (LiB)
257	2023-24	CE	Mr. Avinash Kumar Upadhayay	Generative AI (One Week Faculty Development Programme)	29-04-2024 to 03-05-2024 | 5 days	Departments of Electronics & Communication Engineering and Electrical Engineering, BBDNIIT, Lucknow in association with Learn and Build (LiB)

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258	2023-24	CE	Mr. Mohit Choubey	Generative AI (One Week Faculty Development Programme)	29-04-2024 to 03-05-2024 | 5 days	Departments of Electronics & Communication Engineering and Electrical Engineering, BBDNIIT, Lucknow in association with Learn and Build (LiB)
259	2023-24	CE	Mr. Navneet Singh Yadav	Generative AI (One Week Faculty Development Programme)	29-04-2024 to 03-05-2024 | 5 days	Departments of Electronics & Communication Engineering and Electrical Engineering, BBDNIIT, Lucknow in association with Learn and Build (LiB)
260	2023-24	CE	Mrs. Shruti Singh Bisen	Generative AI (One Week Faculty Development Programme)	29-04-2024 to 03-05-2024 | 5 days	Departments of Electronics & Communication Engineering and Electrical Engineering, BBDNIIT, Lucknow in association with Learn and Build (LiB)
261	2023-24	CE	Ms. Kajal Singh	Generative AI (One Week Faculty Development Programme)	29-04-2024 to 03-05-2024 | 5 days	Departments of Electronics & Communication Engineering and Electrical Engineering, BBDNIIT, Lucknow in association with Learn and Build (LiB)
262	2023-24	CE	Ms. Shivangi Singh	Generative AI (One Week Faculty Development Programme)	29-04-2024 to 03-05-2024 | 5 days	Departments of Electronics & Communication Engineering and Electrical Engineering, BBDNIIT, Lucknow in association with Learn and Build (LiB)
288	2023-24	CE	Dr. D.S.Ray	Challenges & Recent Trends in Mathematical Modelling and Scientific Computing (CRTMMSC-2023)	18-12-2023 to 23-12-2023 | 6 days	Department of Mathematics, Harcourt Butler Technical University (HBTU), Kanpur
289	2023-24	CE	Dr. Supriya Phurailatpam	Challenges & Recent Trends in Mathematical Modelling and Scientific Computing (CRTMMSC-2023)	18-12-2023 to 23-12-2023 | 6 days	Department of Mathematics, Harcourt Butler Technical University (HBTU), Kanpur
290	2023-24	CE	Mr. Abhay Yadav	Challenges & Recent Trends in Mathematical Modelling and Scientific Computing (CRTMMSC-2023)	18-12-2023 to 23-12-2023 | 6 days	Department of Mathematics, Harcourt Butler Technical University (HBTU), Kanpur
291	2023-24	CE	Mr. Ashish Verma	Challenges & Recent Trends in Mathematical Modelling and Scientific Computing (CRTMMSC-2023)	18-12-2023 to 23-12-2023 | 6 days	Department of Mathematics, Harcourt Butler Technical University (HBTU), Kanpur
292	2023-24	CE	Mr. Ashwani Kumar Pandey	Challenges & Recent Trends in Mathematical Modelling and Scientific Computing (CRTMMSC-2023)	18-12-2023 to 23-12-2023 | 6 days	Department of Mathematics, Harcourt Butler Technical University (HBTU), Kanpur
293	2023-24	CE	Mr. Avinash Kumar Upadhayay	Challenges & Recent Trends in Mathematical Modelling and Scientific Computing (CRTMMSC-2023)	18-12-2023 to 23-12-2023 | 6 days	Department of Mathematics, Harcourt Butler Technical University (HBTU), Kanpur

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294	2023-24	CE	Mr. Mohit Choubey	Challenges & Recent Trends in Mathematical Modelling and Scientific Computing (CRTMMSC-2023)	18-12-2023 to 23-12-2023 | 6 days	Department of Mathematics, Harcourt Butler Technical University (HBTU), Kanpur
295	2023-24	CE	Mr. Navneet Singh Yadav	Challenges & Recent Trends in Mathematical Modelling and Scientific Computing (CRTMMSC-2023)	18-12-2023 to 23-12-2023 | 6 days	Department of Mathematics, Harcourt Butler Technical University (HBTU), Kanpur
296	2023-24	CE	Mrs. Shruti Singh Bisen	Challenges & Recent Trends in Mathematical Modelling and Scientific Computing (CRTMMSC-2023)	18-12-2023 to 23-12-2023 | 6 days	Department of Mathematics, Harcourt Butler Technical University (HBTU), Kanpur
297	2023-24	CE	Ms. Kajal Singh	Challenges & Recent Trends in Mathematical Modelling and Scientific Computing (CRTMMSC-2023)	18-12-2023 to 23-12-2023 | 6 days	Department of Mathematics, Harcourt Butler Technical University (HBTU), Kanpur
310	2023-24	CE	Dr. D.S.Ray	Trends in Technological Intelligence 2023 (T2I-2023) (Five Days Online Faculty Development Programme)	21-08-2023 to 25-08-2023 | 5 days	Departments of Electronics & Communication Engineering and Electrical Engineering, BBD Northern India Institute of Technology (BBDNIIT), Lucknow
311	2023-24	CE	Dr. Supriya Phurailatpam	Trends in Technological Intelligence 2023 (T2I-2023) (Five Days Online Faculty Development Programme)	21-08-2023 to 25-08-2023 | 5 days	Departments of Electronics & Communication Engineering and Electrical Engineering, BBD Northern India Institute of Technology (BBDNIIT), Lucknow
312	2023-24	CE	Mr. Abhay Yadav	Trends in Technological Intelligence 2023 (T2I-2023) (Five Days Online Faculty Development Programme)	21-08-2023 to 25-08-2023 | 5 days	Departments of Electronics & Communication Engineering and Electrical Engineering, BBD Northern India Institute of Technology (BBDNIIT), Lucknow
313	2023-24	CE	Mr. Ashish Verma	Trends in Technological Intelligence 2023 (T2I-2023) (Five Days Online Faculty Development Programme)	21-08-2023 to 25-08-2023 | 5 days	Departments of Electronics & Communication Engineering and Electrical Engineering, BBD Northern India Institute of Technology (BBDNIIT), Lucknow
314	2023-24	CE	Mr. Ashwani Kumar Pandey	Trends in Technological Intelligence 2023 (T2I-2023) (Five Days Online Faculty Development Programme)	21-08-2023 to 25-08-2023 | 5 days	Departments of Electronics & Communication Engineering and Electrical Engineering, BBD Northern India Institute of Technology (BBDNIIT), Lucknow
315	2023-24	CE	Mr. Avinash Kumar Upadhayay	Trends in Technological Intelligence 2023 (T2I-2023) (Five Days Online Faculty Development Programme)	21-08-2023 to 25-08-2023 | 5 days	Departments of Electronics & Communication Engineering and Electrical Engineering, BBD Northern India Institute of Technology (BBDNIIT), Lucknow

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316	2023-24	CE	Mr. Mohit Choubey	Trends in Technological Intelligence 2023 (T2I-2023) (Five Days Online Faculty Development Programme)	21-08-2023 to 25-08-2023 | 5 days	Departments of Electronics & Communication Engineering and Electrical Engineering, BBD Northern India Institute of Technology (BBDNIIT), Lucknow
317	2023-24	CE	Mr. Navneet Singh Yadav	Trends in Technological Intelligence 2023 (T2I-2023) (Five Days Online Faculty Development Programme)	21-08-2023 to 25-08-2023 | 5 days	Departments of Electronics & Communication Engineering and Electrical Engineering, BBD Northern India Institute of Technology (BBDNIIT), Lucknow
318	2023-24	CE	Mrs. Shruti Singh Bisen	Trends in Technological Intelligence 2023 (T2I-2023) (Five Days Online Faculty Development Programme)	21-08-2023 to 25-08-2023 | 5 days	Departments of Electronics & Communication Engineering and Electrical Engineering, BBD Northern India Institute of Technology (BBDNIIT), Lucknow
319	2023-24	CE	Ms. Kajal Singh	Trends in Technological Intelligence 2023 (T2I-2023) (Five Days Online Faculty Development Programme)	21-08-2023 to 25-08-2023 | 5 days	Departments of Electronics & Communication Engineering and Electrical Engineering, BBD Northern India Institute of Technology (BBDNIIT), Lucknow
321	2023-24	CE	Dr. D.S.Ray	Architectural Design Pedagogy for Engaging Studio Experiences	31-07-2023 to 04-08-2023 | 5 days	Amity School of Architecture & Planning, Amity University Chhattisgarh
322	2023-24	CE	Dr. Supriya Phurailatpam	Architectural Design Pedagogy for Engaging Studio Experiences	31-07-2023 to 04-08-2023 | 5 days	Amity School of Architecture & Planning, Amity University Chhattisgarh
323	2023-24	CE	Mr. Abhay Yadav	Architectural Design Pedagogy for Engaging Studio Experiences	31-07-2023 to 04-08-2023 | 5 days	Amity School of Architecture & Planning, Amity University Chhattisgarh
324	2023-24	CE	Mr. Ashish Verma	Architectural Design Pedagogy for Engaging Studio Experiences	31-07-2023 to 04-08-2023 | 5 days	Amity School of Architecture & Planning, Amity University Chhattisgarh
325	2023-24	CE	Mr. Ashwani Kumar Pandey	Architectural Design Pedagogy for Engaging Studio Experiences	31-07-2023 to 04-08-2023 | 5 days	Amity School of Architecture & Planning, Amity University Chhattisgarh
326	2023-24	CE	Mr. Avinash Kumar Upadhayay	Architectural Design Pedagogy for Engaging Studio Experiences	31-07-2023 to 04-08-2023 | 5 days	Amity School of Architecture & Planning, Amity University Chhattisgarh
327	2023-24	CE	Mr. Mohit Choubey	Architectural Design Pedagogy for Engaging Studio Experiences	31-07-2023 to 04-08-2023 | 5 days	Amity School of Architecture & Planning, Amity University Chhattisgarh
328	2023-24	CE	Mr. Navneet Singh Yadav	Architectural Design Pedagogy for Engaging Studio Experiences	31-07-2023 to 04-08-2023 | 5 days	Amity School of Architecture & Planning, Amity University Chhattisgarh
329	2023-24	CE	Mrs. Shruti Singh Bisen	Architectural Design Pedagogy for Engaging Studio Experiences	31-07-2023 to 04-08-2023 | 5 days	Amity School of Architecture & Planning, Amity University Chhattisgarh
330	2023-24	CE	Ms. Kajal Singh	Architectural Design Pedagogy for Engaging Studio Experiences	31-07-2023 to 04-08-2023 | 5 days	Amity School of Architecture & Planning, Amity University Chhattisgarh

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Ref.	Session	Dept.	Faculty	Programme	Dates / Duration	Organizer
239	2023-24	ECE	Mr. Amit Kumar Singh	Design and development of Biomedical Antennas	22-07-2024 to 28-07-2024 | 1 week	KIET Group of Institutions
263	2023-24	ECE	Dr. Abhimanyu Yadav	Generative AI	29-04-2024 to 03-05-2024 | 2 weeks	BABU BANARASI DAS NORTHERN INDIA INSTITUTE OF TECHNOLOGY, LUCKNOW
264	2023-24	ECE	Dr. Rupali Agarwal	Generative AI	29-04-2024 to 03-05-2024 | 2 weeks	BABU BANARASI DAS NORTHERN INDIA INSTITUTE OF TECHNOLOGY, LUCKNOW
265	2023-24	ECE	Dr. Shailendra Tahilyani	Generative AI	29-04-2024 to 03-05-2024 | 2 weeks	BABU BANARASI DAS NORTHERN INDIA INSTITUTE OF TECHNOLOGY, LUCKNOW
266	2023-24	ECE	Mr. Amit Kumar Singh	Generative AI	29-04-2024 to 03-05-2024 | 2 weeks	BABU BANARASI DAS NORTHERN INDIA INSTITUTE OF TECHNOLOGY, LUCKNOW
267	2023-24	ECE	Mr. Diwakar Singh	Generative AI	29-04-2024 to 03-05-2024 | 2 weeks	BABU BANARASI DAS NORTHERN INDIA INSTITUTE OF TECHNOLOGY, LUCKNOW
268	2023-24	ECE	Mr. Kishan Kumar	Generative AI	29-04-2024 to 03-05-2024 | 2 weeks	BABU BANARASI DAS NORTHERN INDIA INSTITUTE OF TECHNOLOGY, LUCKNOW
269	2023-24	ECE	Mr. Navneet Kr Pandey	Generative AI	29-04-2024 to 03-05-2024 | 2 weeks	BABU BANARASI DAS NORTHERN INDIA INSTITUTE OF TECHNOLOGY, LUCKNOW
270	2023-24	ECE	Mr. Pankaj Verma	Generative AI	29-04-2024 to 03-05-2024 | 2 weeks	BABU BANARASI DAS NORTHERN INDIA INSTITUTE OF TECHNOLOGY, LUCKNOW
271	2023-24	ECE	Mr. Rajeev Singh	Generative AI	29-04-2024 to 03-05-2024 | 2 weeks	BABU BANARASI DAS NORTHERN INDIA INSTITUTE OF TECHNOLOGY,
272	2023-24	ECE	Mr. Ravi Shankar	Generative AI	29-04-2024 to 03-05-2024 | 2 weeks	BABU BANARASI DAS NORTHERN INDIA INSTITUTE OF TECHNOLOGY, LUCKNOW
273	2023-24	ECE	Mrs. Keerti Mishra	Generative AI	29-04-2024 to 03-05-2024 | 2 weeks	BABU BANARASI DAS NORTHERN INDIA INSTITUTE OF TECHNOLOGY, LUCKNOW
274	2023-24	ECE	Mr. Dharmesh Kumar	NAAC and Internal Quality Assurance	26-02-2024 to 01-03-2024 | 1 week	NITTTR Chandigarh

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Ref.	Session	Dept.	Faculty	Programme	Dates / Duration	Organizer
275	2023-24	ECE	Dr. Abhimanyu Yadav	AI Evolution: From Foundations to Generative AI	05-02-2024 to 09-02-2024 | 1 week	TechSaksham
276	2023-24	ECE	Dr. Rupali Agarwal	AI Evolution: From Foundations to Generative AI	05-02-2024 to 09-02-2024 | 1 week	TechSaksham
277	2023-24	ECE	Dr. Shailendra Tahilyani	AI Evolution: From Foundations to Generative AI	05-02-2024 to 09-02-2024 | 1 week	TechSaksham
278	2023-24	ECE	Mr. Amit Kumar Singh	AI Evolution: From Foundations to Generative AI	05-02-2024 to 09-02-2024 | 1 week	TechSaksham
279	2023-24	ECE	Mr. Diwakar Singh	AI Evolution: From Foundations to Generative AI	05-02-2024 to 09-02-2024 | 1 week	TechSaksham
280	2023-24	ECE	Mr. Kishan Kumar	AI Evolution: From Foundations to Generative AI	05-02-2024 to 09-02-2024 | 1 week	TechSaksham
281	2023-24	ECE	Mr. Navneet Kr Pandey	AI Evolution: From Foundations to Generative AI	05-02-2024 to 09-02-2024 | 1 week	TechSaksham
282	2023-24	ECE	Mr. Pankaj Verma	AI Evolution: From Foundations to Generative AI	05-02-2024 to 09-02-2024 | 1 week	TechSaksham
283	2023-24	ECE	Mr. Rajeev Singh	AI Evolution: From Foundations to Generative AI	05-02-2024 to 09-02-2024 | 1 week	TechSaksham
284	2023-24	ECE	Mr. Ravi Shankar	AI Evolution: From Foundations to Generative AI	05-02-2024 to 09-02-2024 | 1 week	TechSaksham
285	2023-24	ECE	Mrs. Keerti Mishra	AI Evolution: From Foundations to Generative AI	05-02-2024 to 09-02-2024 | 1 week	TechSaksham
286	2023-24	ECE	Mrs. Keerti Mishra	Face to Face UHV-II FDP	16-01-2024 to 20-01-2024 | 5 days	SRMCEM, Lucknow
298	2023-24	ECE	Dr. Abhimanyu Yadav	Artificial Intelligence for Sustainable Development	03-10-2023 to 07-10-2023 | 1 week	BABU BANARASI DAS UNIVERSITY, LUCKNOW
299	2023-24	ECE	Dr. Rupali Agarwal	Artificial Intelligence for Sustainable Development	03-10-2023 to 07-10-2023 | 1 week	BABU BANARASI DAS UNIVERSITY, LUCKNOW
300	2023-24	ECE	Dr. Shailendra Tahilyani	Artificial Intelligence for Sustainable Development	03-10-2023 to 07-10-2023 | 1 week	BABU BANARASI DAS UNIVERSITY, LUCKNOW
301	2023-24	ECE	Mr. Amit Kumar Singh	Artificial Intelligence for Sustainable Development	03-10-2023 to 07-10-2023 | 1 week	BABU BANARASI DAS UNIVERSITY, LUCKNOW

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Ref.	Session	Dept.	Faculty	Programme	Dates / Duration	Organizer
302	2023-24	ECE	Mr. Dharmesh Kumar	Artificial Intelligence for Sustainable Development	03-10-2023 to 07-10-2023 | 1 week	BABU BANARASI DAS UNIVERSITY, LUCKNOW
303	2023-24	ECE	Mr. Diwakar Singh	Artificial Intelligence for Sustainable Development	03-10-2023 to 07-10-2023 | 1 week	BABU BANARASI DAS UNIVERSITY, LUCKNOW
304	2023-24	ECE	Mr. Navneet Kr Pandey	Artificial Intelligence for Sustainable Development	03-10-2023 to 07-10-2023 | 1 week	BABU BANARASI DAS UNIVERSITY, LUCKNOW
305	2023-24	ECE	Mr. Pankaj Verma	Artificial Intelligence for Sustainable Development	03-10-2023 to 07-10-2023 | 1 week	BABU BANARASI DAS UNIVERSITY, LUCKNOW
306	2023-24	ECE	Mr. Rajeev Singh	Artificial Intelligence for Sustainable Development	03-10-2023 to 07-10-2023 | 1 week	BABU BANARASI DAS UNIVERSITY, LUCKNOW
307	2023-24	ECE	Mr. Ravi Shankar	Artificial Intelligence for Sustainable Development	03-10-2023 to 07-10-2023 | 1 week	BABU BANARASI DAS UNIVERSITY, LUCKNOW
308	2023-24	ECE	Mrs. Keerti Mishra	Artificial Intelligence for Sustainable Development	03-10-2023 to 07-10-2023 | 1 week	BABU BANARASI DAS UNIVERSITY, LUCKNOW
331	2023-24	ECE	Mr. Kishan Kumar	Artificial Intelligence for Sustainable Development	10-03-2023 to 10-07-2023 | 1 week	BABU BANARASI DAS UNIVERSITY, LUCKNOW
332	2023-24	IT	Ms. Nida Haseeb	Deep Learning Fundamentals and Case Studies in Healthcare	136	Punjab Engineering College (Deemed to be University), Chandigarh
416	2023-24	IT	Ms. Nida Haseeb	Deep Learning Fundamentals and Case Studies in Healthcare	136	Punjab Engineering College (Deemed to be University), Chandigarh
344	2022-23	ASH/HU	Mr. Mohd. Aquib	One Week Online Faculty Development Program on "Contemporary Trends of Research Prospective & Advance Pedagogy"	10-07-2023 to 15-07-2023 | 6 days	Faculty of Management Studies, The ICFAI University, Raipur
356	2022-23	ASH/HU	Mr. Mohd. Aquib	Sustainable Engineering Practices: Challenges and Mitigation	04-07-2023 to 08-07-2023 | 5 days	Department of Civil Engineering, Amity School of Engineering & Technology, Amity University Uttar Pradesh, Lucknow Campus
379	2022-23	ASH/HU	Mr. Mohd. Aquib	Enhancement in Teaching and Learning Process	22-08-2022 to 26-08-2022 | 5 days	Department of Civil Engineering & Department of Mechanical Engineering, BBDITM
391	2022-23	ASH/HU	Mr. Mohd. Aquib	Cloud Based GIS Applications	01-08-2022 to 05-08-2022 | 5 days	Department of Information Technology & Department of Computer Science and Engineering, IMS Engineering College, Ghaziabad

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Ref.	Session	Dept.	Faculty	Programme	Dates / Duration	Organizer
345	2022-23	CE	Dr. D.S.Ray	One Week Online Faculty Development Program on "Contemporary Trends of Research Prospective & Advance Pedagogy"	10-07-2023 to 15-07-2023 | 6 days	Faculty of Management Studies, The ICFAI University, Raipur
346	2022-23	CE	Dr. Supriya Phurailatpam	One Week Online Faculty Development Program on "Contemporary Trends of Research Prospective & Advance Pedagogy"	10-07-2023 to 15-07-2023 | 6 days	Faculty of Management Studies, The ICFAI University, Raipur
347	2022-23	CE	Mr. Abhay Yadav	One Week Online Faculty Development Program on "Contemporary Trends of Research Prospective & Advance Pedagogy"	10-07-2023 to 15-07-2023 | 6 days	Faculty of Management Studies, The ICFAI University, Raipur
348	2022-23	CE	Mr. Ashish Verma	One Week Online Faculty Development Program on "Contemporary Trends of Research Prospective & Advance Pedagogy"	10-07-2023 to 15-07-2023 | 6 days	Faculty of Management Studies, The ICFAI University, Raipur
349	2022-23	CE	Mr. Ashwani Kumar Pandey	One Week Online Faculty Development Program on "Contemporary Trends of Research Prospective & Advance Pedagogy"	10-07-2023 to 15-07-2023 | 6 days	Faculty of Management Studies, The ICFAI University, Raipur
350	2022-23	CE	Mr. Avinash Kumar Upadhayay	One Week Online Faculty Development Program on "Contemporary Trends of Research Prospective & Advance Pedagogy"	10-07-2023 to 15-07-2023 | 6 days	Faculty of Management Studies, The ICFAI University, Raipur
351	2022-23	CE	Mr. Mohit Choubey	One Week Online Faculty Development Program on "Contemporary Trends of Research Prospective & Advance Pedagogy"	10-07-2023 to 15-07-2023 | 6 days	Faculty of Management Studies, The ICFAI University, Raipur
352	2022-23	CE	Mr. Navneet Singh Yadav	One Week Online Faculty Development Program on "Contemporary Trends of Research Prospective & Advance Pedagogy"	10-07-2023 to 15-07-2023 | 6 days	Faculty of Management Studies, The ICFAI University, Raipur
353	2022-23	CE	Mrs. Shruti Singh Bisen	One Week Online Faculty Development Program on "Contemporary Trends of Research Prospective & Advance Pedagogy"	10-07-2023 to 15-07-2023 | 6 days	Faculty of Management Studies, The ICFAI University, Raipur
354	2022-23	CE	Ms. Kajal Singh	One Week Online Faculty Development Program on "Contemporary Trends of Research Prospective & Advance Pedagogy"	10-07-2023 to 15-07-2023 | 6 days	Faculty of Management Studies, The ICFAI University, Raipur
355	2022-23	CE	Ms. Shivangi Singh	One Week Online Faculty Development Program on "Contemporary Trends of Research Prospective & Advance Pedagogy"	10-07-2023 to 15-07-2023 | 6 days	Faculty of Management Studies, The ICFAI University, Raipur
357	2022-23	CE	Dr. D.S.Ray	Sustainable Engineering Practices: Challenges and Mitigation	04-07-2023 to 08-07-2023 | 5 days	Department of Civil Engineering, Amity School of Engineering & Technology, Amity University Uttar Pradesh, Lucknow Campus

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Ref.	Session	Dept.	Faculty	Programme	Dates / Duration	Organizer
358	2022-23	CE	Dr. Supriya Phurailatpam	Sustainable Engineering Practices: Challenges and Mitigation	04-07-2023 to 08-07-2023 | 5 days	Department of Civil Engineering, Amity School of Engineering & Technology, Amity University Uttar Pradesh, Lucknow Campus
359	2022-23	CE	Mr. Abhay Yadav	Sustainable Engineering Practices: Challenges and Mitigation	04-07-2023 to 08-07-2023 | 5 days	Department of Civil Engineering, Amity School of Engineering & Technology, Amity University Uttar Pradesh, Lucknow Campus
360	2022-23	CE	Mr. Ashish Verma	Sustainable Engineering Practices: Challenges and Mitigation	04-07-2023 to 08-07-2023 | 5 days	Department of Civil Engineering, Amity School of Engineering & Technology, Amity University Uttar Pradesh, Lucknow Campus
361	2022-23	CE	Mr. Ashwani Kumar Pandey	Sustainable Engineering Practices: Challenges and Mitigation	04-07-2023 to 08-07-2023 | 5 days	Department of Civil Engineering, Amity School of Engineering & Technology, Amity University Uttar Pradesh, Lucknow Campus
362	2022-23	CE	Mr. Avinash Kumar Upadhayay	Sustainable Engineering Practices: Challenges and Mitigation	04-07-2023 to 08-07-2023 | 5 days	Department of Civil Engineering, Amity School of Engineering & Technology, Amity University Uttar Pradesh, Lucknow Campus
363	2022-23	CE	Mr. Mohit Choubey	Sustainable Engineering Practices: Challenges and Mitigation	04-07-2023 to 08-07-2023 | 5 days	Department of Civil Engineering, Amity School of Engineering & Technology, Amity University Uttar Pradesh, Lucknow Campus
364	2022-23	CE	Mr. Navneet Singh Yadav	Sustainable Engineering Practices: Challenges and Mitigation	04-07-2023 to 08-07-2023 | 5 days	Department of Civil Engineering, Amity School of Engineering & Technology, Amity University Uttar Pradesh, Lucknow Campus
365	2022-23	CE	Mrs. Shruti Singh Bisen	Sustainable Engineering Practices: Challenges and Mitigation	04-07-2023 to 08-07-2023 | 5 days	Department of Civil Engineering, Amity School of Engineering & Technology, Amity University Uttar Pradesh, Lucknow Campus
366	2022-23	CE	Ms. Kajal Singh	Sustainable Engineering Practices: Challenges and Mitigation	04-07-2023 to 08-07-2023 | 5 days	Department of Civil Engineering, Amity School of Engineering & Technology, Amity University Uttar Pradesh, Lucknow Campus
380	2022-23	CE	Dr. D.S.Ray	Enhancement in Teaching and Learning Process	22-08-2022 to 26-08-2022 | 5 days	Department of Civil Engineering & Department of Mechanical Engineering, BBDITM

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Ref.	Session	Dept.	Faculty	Programme	Dates / Duration	Organizer
381	2022-23	CE	Dr. Supriya Phurailatpam	Enhancement in Teaching and Learning Process	22-08-2022 to 26-08-2022 | 5 days	Department of Civil Engineering & Department of Mechanical Engineering, BBDITM
382	2022-23	CE	Mr. Abhay Yadav	Enhancement in Teaching and Learning Process	22-08-2022 to 26-08-2022 | 5 days	Department of Civil Engineering & Department of Mechanical Engineering, BBDITM
383	2022-23	CE	Mr. Ashish Verma	Enhancement in Teaching and Learning Process	22-08-2022 to 26-08-2022 | 5 days	Department of Civil Engineering & Department of Mechanical Engineering, BBDITM
384	2022-23	CE	Mr. Ashwani Kumar Pandey	Enhancement in Teaching and Learning Process	22-08-2022 to 26-08-2022 | 5 days	Department of Civil Engineering & Department of Mechanical Engineering, BBDITM
385	2022-23	CE	Mr. Avinash Kumar Upadhayay	Enhancement in Teaching and Learning Process	22-08-2022 to 26-08-2022 | 5 days	Department of Civil Engineering & Department of Mechanical Engineering, BBDITM
386	2022-23	CE	Mr. Mohit Choubey	Enhancement in Teaching and Learning Process	22-08-2022 to 26-08-2022 | 5 days	Department of Civil Engineering & Department of Mechanical Engineering, BBDITM
387	2022-23	CE	Mr. Navneet Singh Yadav	Enhancement in Teaching and Learning Process	22-08-2022 to 26-08-2022 | 5 days	Department of Civil Engineering & Department of Mechanical Engineering, BBDITM
388	2022-23	CE	Mrs. Shruti Singh Bisen	Enhancement in Teaching and Learning Process	22-08-2022 to 26-08-2022 | 5 days	Department of Civil Engineering & Department of Mechanical Engineering, BBDITM
389	2022-23	CE	Ms. Kajal Singh	Enhancement in Teaching and Learning Process	22-08-2022 to 26-08-2022 | 5 days	Department of Civil Engineering & Department of Mechanical Engineering, BBDITM
390	2022-23	CE	Ms. Shivangi Singh	Enhancement in Teaching and Learning Process	22-08-2022 to 26-08-2022 | 5 days	Department of Civil Engineering & Department of Mechanical Engineering, BBDITM
392	2022-23	CE	Dr. D.S.Ray	Cloud Based GIS Applications	01-08-2022 to 05-08-2022 | 5 days	Department of Information Technology & Department of Computer Science and Engineering, IMS Engineering College, Ghaziabad

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Ref.	Session	Dept.	Faculty	Programme	Dates / Duration	Organizer
393	2022-23	CE	Dr. Supriya Phurailatpam	Cloud Based GIS Applications	01-08-2022 to 05-08-2022 | 5 days	Department of Information Technology & Department of Computer Science and Engineering, IMS Engineering College, Ghaziabad
394	2022-23	CE	Mr. Abhay Yadav	Cloud Based GIS Applications	01-08-2022 to 05-08-2022 | 5 days	Department of Information Technology & Department of Computer Science and Engineering, IMS Engineering College, Ghaziabad
395	2022-23	CE	Mr. Ashish Verma	Cloud Based GIS Applications	01-08-2022 to 05-08-2022 | 5 days	Department of Information Technology & Department of Computer Science and Engineering, IMS Engineering College, Ghaziabad
396	2022-23	CE	Mr. Ashwani Kumar Pandey	Cloud Based GIS Applications	01-08-2022 to 05-08-2022 | 5 days	Department of Information Technology & Department of Computer Science and Engineering, IMS Engineering College, Ghaziabad
397	2022-23	CE	Mr. Avinash Kumar Upadhayay	Cloud Based GIS Applications	01-08-2022 to 05-08-2022 | 5 days	Department of Information Technology & Department of Computer Science and Engineering, IMS Engineering College, Ghaziabad
398	2022-23	CE	Mr. Mohit Choubey	Cloud Based GIS Applications	01-08-2022 to 05-08-2022 | 5 days	Department of Information Technology & Department of Computer Science and Engineering, IMS Engineering College, Ghaziabad
399	2022-23	CE	Mr. Navneet Singh Yadav	Cloud Based GIS Applications	01-08-2022 to 05-08-2022 | 5 days	Department of Information Technology & Department of Computer Science and Engineering, IMS Engineering College, Ghaziabad
400	2022-23	CE	Mrs. Shruti Singh Bisen	Cloud Based GIS Applications	01-08-2022 to 05-08-2022 | 5 days	Department of Information Technology & Department of Computer Science and Engineering, IMS Engineering College, Ghaziabad
401	2022-23	CE	Ms. Kajal Singh	Cloud Based GIS Applications	01-08-2022 to 05-08-2022 | 5 days	Department of Information Technology & Department of Computer Science and Engineering, IMS Engineering College, Ghaziabad
333	2022-23	ECE	Dr. Abhimanyu Yadav	Trends in Technological Intelligence 2023	21-08-2023 to 25-08-2023 | 1 week	BABU BANARASI DAS NORTHERN INDIA INSTITUTE OF TECHNOLOGY, LUCKNOW

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Ref.	Session	Dept.	Faculty	Programme	Dates / Duration	Organizer
334	2022-23	ECE	Dr. Rupali Agarwal	Trends in Technological Intelligence 2023	21-08-2023 to 25-08-2023 | 1 week	BABU BANARASI DAS NORTHERN INDIA INSTITUTE OF TECHNOLOGY, LUCKNOW
335	2022-23	ECE	Mr. Amit Kumar Singh	Trends in Technological Intelligence 2023	21-08-2023 to 25-08-2023 | 1 week	BABU BANARASI DAS NORTHERN INDIA INSTITUTE OF TECHNOLOGY, LUCKNOW
336	2022-23	ECE	Mr. Dharmesh Kumar	Trends in Technological Intelligence 2023	21-08-2023 to 25-08-2023 | 1 week	BABU BANARASI DAS NORTHERN INDIA INSTITUTE OF TECHNOLOGY, LUCKNOW
337	2022-23	ECE	Mr. Diwakar Singh	Trends in Technological Intelligence 2023	21-08-2023 to 25-08-2023 | 1 week	BABU BANARASI DAS NORTHERN INDIA INSTITUTE OF TECHNOLOGY, LUCKNOW
338	2022-23	ECE	Mr. Kishan Kumar	Healthcare Trends in Technological Intelligence 2023	21-08-2023 to 25-08-2023 | 1 week	BABU BANARASI DAS NORTHERN INDIA INSTITUTE OF TECHNOLOGY, LUCKNOW
339	2022-23	ECE	Mr. Navneet Kr Pandey	Trends in Technological Intelligence 2023	21-08-2023 to 25-08-2023 | 1 week	BABU BANARASI DAS NORTHERN INDIA INSTITUTE OF TECHNOLOGY, LUCKNOW
340	2022-23	ECE	Mr. Pankaj Verma	Trends in Technological Intelligence 2023	21-08-2023 to 25-08-2023 | 1 week	BABU BANARASI DAS NORTHERN INDIA INSTITUTE OF TECHNOLOGY, LUCKNOW
341	2022-23	ECE	Mr. Rajeev Singh	Trends in Technological Intelligence 2023	21-08-2023 to 25-08-2023 | 1 week	BABU BANARASI DAS NORTHERN INDIA INSTITUTE OF TECHNOLOGY, LUCKNOW
342	2022-23	ECE	Mr. Ravi Shankar	Trends in Technological Intelligence 2023	21-08-2023 to 25-08-2023 | 1 week	BABU BANARASI DAS NORTHERN INDIA INSTITUTE OF TECHNOLOGY, LUCKNOW
343	2022-23	ECE	Mrs. Keerti Mishra	Trends in Technological Intelligence 2023	21-08-2023 to 25-08-2023 | 1 week	BABU BANARASI DAS NORTHERN INDIA INSTITUTE OF TECHNOLOGY, LUCKNOW
367	2022-23	ECE	Dr. Abhimanyu Yadav	Foundations and Applications of AI in Healthcare	16-01-2023 to 20-01-2023 | 1 week	Dept of Computer Science and Engineering, ANITS
368	2022-23	ECE	Dr. Rupali Agarwal	Foundations and Applications of AI in Healthcare	16-01-2023 to 20-01-2023 | 1 week	Dept of Computer Science and Engineering, ANITS
369	2022-23	ECE	Dr. Shailendra Tahilyani	Foundations and Applications of AI in Healthcare	16-01-2023 to 20-01-2023 | 1 week	Dept of Computer Science and Engineering, ANITS

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Ref.	Session	Dept.	Faculty	Programme	Dates / Duration	Organizer
370	2022-23	ECE	Mr. Amit Kumar Singh	Foundations and Applications of AI in Healthcare	16-01-2023 to 20-01-2023 | 1 week	Dept of Computer Science and Engineering, ANITS
371	2022-23	ECE	Mr. Dharmesh Kumar	Foundations and Applications of AI in Healthcare	16-01-2023 to 20-01-2023 | 1 week	Dept of Computer Science and Engineering, ANITS
372	2022-23	ECE	Mr. Diwakar Singh	Foundations and Applications of AI in Healthcare	16-01-2023 to 20-01-2023 | 1 week	Dept of Computer Science and Engineering, ANITS
373	2022-23	ECE	Mr. Kishan Kumar	Foundations and Applications of AI in	16-01-2023 to 20-01-2023 | 1 week	Dept of Computer Science and Engineering, ANITS
374	2022-23	ECE	Mr. Navneet Kr Pandey	Foundations and Applications of AI in Healthcare	16-01-2023 to 20-01-2023 | 1 week	Dept of Computer Science and Engineering, ANITS
375	2022-23	ECE	Mr. Pankaj Verma	Foundations and Applications of AI in Healthcare	16-01-2023 to 20-01-2023 | 1 week	Dept of Computer Science and Engineering, ANITS
376	2022-23	ECE	Mr. Rajeev Singh	Foundations and Applications of AI in Healthcare	16-01-2023 to 20-01-2023 | 1 week	Dept of Computer Science and Engineering, ANITS
377	2022-23	ECE	Mr. Ravi Shankar	Foundations and Applications of AI in Healthcare	16-01-2023 to 20-01-2023 | 1 week	Dept of Computer Science and Engineering, ANITS
378	2022-23	ECE	Mrs. Keerti Mishra	Foundations and Applications of AI in Healthcare	16-01-2023 to 20-01-2023 | 1 week	Dept of Computer Science and Engineering, ANITS
402	2022-23	ECE	Dr. Shailendra Tahilyani	Technology Management in Education	09-07-2022 to 15-07-2022 | 1 week	Scrollwell

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Ref.	Session	Dept.	Name	Course / Star	Result / Score	Reference
198	2025-26	CSE	Aditi Sharma	Introduction to Machine Learning - IITKGP	Successfully Completed; Score: 41	Dir./App.Cert. /MOOCs/2025-26/018
210	2025-26	CSE	Ahan Raj	Introduction to Machine Learning	Elite; Score: 60	Dir./App.Cert. /MOOCs/2025-26/030
220	2025-26	CSE	Ahan Raj	Cyber Security and Privacy	Elite; Score: 62	Dir./App.Cert. /MOOCs/2025-26/040
228	2025-26	CSE	Ajay Kumar	Introduction to Internet of Things	Elite; Score: 67	Dir./App.Cert. /MOOCs/2025-26/048
199	2025-26	CSE	Anam	Introduction to Machine Learning - IITKGP	Successfully Completed; Score: 57	Dir./App.Cert. /MOOCs/2025-26/019
189	2025-26	CSE	Anshika Singh	Design and Analysis of Algorithms	Successfully Completed; Score: 54	Dir./App.Cert. /MOOCs/2025-26/009
200	2025-26	CSE	Anushi Maurya	Data Science for Engineers	Successfully Completed; Score: 45	Dir./App.Cert. /MOOCs/2025-26/020
221	2025-26	CSE	Ayush Verma	Cyber Security and Privacy	Successfully Completed; Score: 54	Dir./App.Cert. /MOOCs/2025-26/041
222	2025-26	CSE	Dhruv Saxena	Cryogenic Electronics for Quantum Computing	Elite; Score: 60	Dir./App.Cert. /MOOCs/2025-26/042
184	2025-26	CSE	Jyoti Gaur	Programming In Java	Elite + Silver; Score: 87	Dir./App.Cert. /MOOCs/2025-26/004
201	2025-26	CSE	Jyoti Gaur	Introduction to Machine Learning - IITKGP	Elite; Score: 63	Dir./App.Cert. /MOOCs/2025-26/021
212	2025-26	CSE	Jyoti Gaur	Accreditation and Outcome Based Learning	Elite; Score: 73	Dir./App.Cert. /MOOCs/2025-26/032
202	2025-26	CSE	Kunal Singh	Introduction to Machine Learning - IITKGP	Elite; Score: 66	Dir./App.Cert. /MOOCs/2025-26/022
229	2025-26	CSE	Kunal Singh	Programming with Generative AI	Successfully Completed; Score: 49	Dir./App.Cert. /MOOCs/2025-26/049
235	2025-26	CSE	Kunal Singh	Introduction to Large Language Models (LLMs)	Successfully Completed; Score: 52	Dir./App.Cert. /MOOCs/2025-26/055
190	2025-26	CSE	Madhu Chauhan	Python for Data Science	Successfully Completed; Score: 57	Dir./App.Cert. /MOOCs/2025-26/010

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Ref.	Session	Dept.	Name	Course / Star	Result / Score	Reference
185	2025-26	CSE	Mohd Iliyas	Compiler Design	Successfully Completed; Score: 53	Dir./App.Cert. /MOOCs/2025-26/005
213	2025-26	CSE	Mohd Iliyas	Cloud Computing	Elite; Score: 62	Dir./App.Cert. /MOOCs/2025-26/033
224	2025-26	CSE	Mohd Iliyas	Developing Soft Skills and Personality	Elite + Silver; Score: 86	Dir./App.Cert. /MOOCs/2025-26/044
230	2025-26	CSE	Mohd Iliyas	Introduction to Industry 4.0 and Industrial Internet of Things	Elite; Score: 70	Dir./App.Cert. /MOOCs/2025-26/050
231	2025-26	CSE	Mohd Iliyas	Introduction to Internet of Things	Elite; Score: 72	Dir./App.Cert. /MOOCs/2025-26/051
236	2025-26	CSE	Mohd Iliyas	Nptel Believers	Nptel Believers	Dir./App.Cert. /MOOCs/2025-26/056
181	2025-26	CSE	Prithvi Singh Chauhan	Enhancing Soft Skills and Personality	Elite + Silver; Score: 79	Dir./App.Cert. /MOOCs/2025-26/001
191	2025-26	CSE	Prithvi Singh Chauhan	C Programming and Assembly Language	Elite; Score: 72	Dir./App.Cert. /MOOCs/2025-26/011
203	2025-26	CSE	Prithvi Singh Chauhan	Data Science for Engineers	Elite; Score: 66	Dir./App.Cert. /MOOCs/2025-26/023
214	2025-26	CSE	Prithvi Singh Chauhan	Patent Law for Engineers and Scientists	Successfully Completed; Score: 55	Dir./App.Cert. /MOOCs/2025-26/034
225	2025-26	CSE	Prithvi Singh Chauhan	Developing Soft Skills and Personality	Elite + Gold; Score: 92	Dir./App.Cert. /MOOCs/2025-26/045
237	2025-26	CSE	Prithvi Singh Chauhan	Nptel Believers	Nptel Believers	Dir./App.Cert. /MOOCs/2025-26/057
238	2025-26	CSE	Prithvi Singh Chauhan	Nptel Enthusiasts	Nptel Enthusiasts	Dir./App.Cert. /MOOCs/2025-26/058
182	2025-26	CSE	Priyanshu Nigam	Enhancing Soft Skills and Personality	Elite; Score: 62	Dir./App.Cert. /MOOCs/2025-26/002
186	2025-26	CSE	Priyanshu Nigam	Data Analytics with Python	Elite; Score: 60	Dir./App.Cert. /MOOCs/2025-26/006
204	2025-26	CSE	Priyanshu Nigam	Data Science for Engineers	Elite; Score: 67	Dir./App.Cert. /MOOCs/2025-26/024

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Ref.	Session	Dept.	Name	Course / Star	Result / Score	Reference
215	2025-26	CSE	Priyanshu Nigam	Patent Law for Engineers and Scientists	Successfully Completed; Score: 58	Dir./App.Cert. /MOOCs/2025-26/035
226	2025-26	CSE	Priyanshu Nigam	Developing Soft Skills and Personality	Elite; Score: 71	Dir./App.Cert. /MOOCs/2025-26/046
239	2025-26	CSE	Priyanshu Nigam	Nptel Discipline Stars	Nptel Discipline Stars	Dir./App.Cert. /MOOCs/2025-26/059
240	2025-26	CSE	Priyanshu Nigam	Nptel Enthusiasts	Nptel Enthusiasts	Dir./App.Cert. /MOOCs/2025-26/060
183	2025-26	CSE	Priyanshu Pathak	Enhancing Soft Skills and Personality	Elite + Silver; Score: 75	Dir./App.Cert. /MOOCs/2025-26/003
187	2025-26	CSE	Priyanshu Pathak	Data Analytics with Python	Elite; Score: 62	Dir./App.Cert. /MOOCs/2025-26/007
216	2025-26	CSE	Pushpendra Singh	Cloud Computing	Successfully Completed; Score: 47	Dir./App.Cert. /MOOCs/2025-26/036
217	2025-26	CSE	Ruchi Singh	Programming In Java	Elite + Gold; Score: 91	Dir./App.Cert. /MOOCs/2025-26/037
206	2025-26	CSE	Samiksha Tiwari	Introduction to Machine Learning - IITKGP	Successfully Completed; Score: 54	Dir./App.Cert. /MOOCs/2025-26/026
207	2025-26	CSE	Saurav Sharma	Introduction to Machine Learning - IITKGP	Elite; Score: 63	Dir./App.Cert. /MOOCs/2025-26/027
218	2025-26	CSE	Saurav Sharma	Cloud Computing	Elite; Score: 62	Dir./App.Cert. /MOOCs/2025-26/038
194	2025-26	CSE	Shikhar Agarwal	Design and Analysis of Algorithms	Elite; Score: 60	Dir./App.Cert. /MOOCs/2025-26/014
208	2025-26	CSE	Shivam Maurya	Introduction to Machine Learning - IITKGP	Successfully Completed; Score: 55	Dir./App.Cert. /MOOCs/2025-26/028
188	2025-26	CSE	Shubham Pandey	Programming In Java	Elite + Silver; Score: 79	Dir./App.Cert. /MOOCs/2025-26/008
219	2025-26	CSE	Shubham Pandey	Introduction to Machine Learning	Successfully Completed; Score: 56	Dir./App.Cert. /MOOCs/2025-26/039
195	2025-26	CSE	Sumit Sargam	Python for Data Science	Elite; Score: 65	Dir./App.Cert. /MOOCs/2025-26/015

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Ref.	Session	Dept.	Name	Course / Star	Result / Score	Reference
196	2025-26	CSE	Sushant Shukla	Design and Analysis of Algorithms	Successfully Completed; Score: 57	Dir./App.Cert. /MOOCs/2025-26/016
209	2025-26	CSE	Syed gufran hussain	Introduction to Machine Learning - IITKGP	Elite; Score: 70	Dir./App.Cert. /MOOCs/2025-26/029
233	2025-26	CSE	Tanya Agrawal	Data Structure and Algorithms using Java	Elite; Score: 63	Dir./App.Cert. /MOOCs/2025-26/053
197	2025-26	CSE	Vedant bhagwani	Design and Analysis of Algorithms	Successfully Completed; Score: 54	Dir./App.Cert. /MOOCs/2025-26/017
234	2025-26	CSE	Yuvraj Singh	Data Structure and Algorithms using Java	Successfully Completed; Score: 57	Dir./App.Cert. /MOOCs/2025-26/054
223	2025-26	ECE	Mohd Danish Khan	VLSI Design Flow: RTL to GDS	Successfully Completed; Score: 57	Dir./App.Cert. /MOOCs/2025-26/043
232	2025-26	ECE	Prince Soni	Introduction to Internet of Things	Successfully Completed; Score: 54	Dir./App.Cert. /MOOCs/2025-26/052
227	2025-26	ECE	Tejasva Pandey	VLSI Design Flow: RTL to GDS	Successfully Completed; Score: 53	Dir./App.Cert. /MOOCs/2025-26/047
205	2025-26	IT	Sairaj Dilip Gupta	Data Base Management System	Successfully Completed; Score: 58	Dir./App.Cert. /MOOCs/2025-26/025
192	2025-26	ME	Satyendra Pratap	Power Plant Engineering	Elite; Score: 73	Dir./App.Cert. /MOOCs/2025-26/012
193	2025-26	ME	Satyendra Pratap	Refrigeration and Air-Conditioning	Successfully Completed; Score: 54	Dir./App.Cert. /MOOCs/2025-26/013
211	2025-26	Other De partment	Devam Jaiswal	Introduction to Aerospace Engineering - Flight	Successfully Completed; Score: 48	Dir./App.Cert. /MOOCs/2025-26/031
124	2024-25	CSE	Abhay pandey	Google Cloud Computing Foundations	Successfully Completed; Score: 53	Dir./App.Cert. /MOOCs/2024-25/009
125	2024-25	CSE	Abhinav Pandey	Programming in Java	Elite; Score: 69	Dir./App.Cert. /MOOCs/2024-25/010
118	2024-25	CSE	Adarsh Kumar Srivastava	Big Data Computing	Elite + Silver; Score: 75	Dir./App.Cert. /MOOCs/2024-25/003
126	2024-25	CSE	Aditi kesarwani	Google Cloud Computing Foundations	Elite; Score: 64	Dir./App.Cert. /MOOCs/2024-25/011

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Ref.	Session	Dept.	Name	Course / Star	Result / Score	Reference
156	2024-25	CSE	Aditya kumar sonkar	Cloud Computing	Elite; Score: 73	Dir./App.Cert. /MOOCs/2024-25/041
119	2024-25	CSE	Ahan Raj	Data Structure and Algorithms using Java	Successfully Completed; Score: 54	Dir./App.Cert. /MOOCs/2024-25/004
170	2024-25	CSE	Ahan Raj	Foundation of Cloud IoT Edge ML	Elite + Silver; Score: 78	Dir./App.Cert. /MOOCs/2024-25/055
127	2024-25	CSE	Ankit Singh	Programming in Java	Elite; Score: 60	Dir./App.Cert. /MOOCs/2024-25/012
120	2024-25	CSE	Anushika Chauhan	Ethical Hacking	Elite; Score: 63	Dir./App.Cert. /MOOCs/2024-25/005
158	2024-25	CSE	Arniket Rai	Cloud Computing	Elite; Score: 60	Dir./App.Cert. /MOOCs/2024-25/043
128	2024-25	CSE	Ashish Mishra	Google Cloud Computing Foundations	Successfully Completed; Score: 43	Dir./App.Cert. /MOOCs/2024-25/013
121	2024-25	CSE	Ashray Gupta	Big Data Computing	Elite + Silver; Score: 77	Dir./App.Cert. /MOOCs/2024-25/006
129	2024-25	CSE	Asmita Srivastava	Google Cloud Computing Foundations	Elite; Score: 65	Dir./App.Cert. /MOOCs/2024-25/014
154	2024-25	CSE	Asmita Srivastava	The Joy of Computing using Python	Elite; Score: 65	Dir./App.Cert. /MOOCs/2024-25/039
122	2024-25	CSE	Ayush Verma	Data Structure and Algorithms using Java	Successfully Completed; Score: 54	Dir./App.Cert. /MOOCs/2024-25/007
171	2024-25	CSE	Ayush Verma	Foundation of Cloud IoT Edge ML	Elite; Score: 66	Dir./App.Cert. /MOOCs/2024-25/056
130	2024-25	CSE	Diwakar Yagyasen	Google Cloud Computing Foundations	Elite; Score: 60	Dir./App.Cert. /MOOCs/2024-25/015
131	2024-25	CSE	Diwakar Yagyasen	Software Conceptual Design	Elite + Silver; Score: 79	Dir./App.Cert. /MOOCs/2024-25/016
132	2024-25	CSE	Harsh Pandey	Google Cloud Computing Foundations	Successfully Completed; Score: 47	Dir./App.Cert. /MOOCs/2024-25/017
133	2024-25	CSE	Harsh Pandey	Technical English for Engineers	Successfully Completed; Score: 55	Dir./App.Cert. /MOOCs/2024-25/018

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Ref.	Session	Dept.	Name	Course / Star	Result / Score	Reference
134	2024-25	CSE	Hirambar Singh	Google Cloud Computing Foundations	Successfully Completed; Score: 52	Dir./App.Cert. /MOOCs/2024-25/019
135	2024-25	CSE	Karan Sharma	Google Cloud Computing Foundations	Elite; Score: 65	Dir./App.Cert. /MOOCs/2024-25/020
136	2024-25	CSE	Khushi Dhuriya	Google Cloud Computing Foundations	Elite; Score: 67	Dir./App.Cert. /MOOCs/2024-25/021
160	2024-25	CSE	Mantasha	Cloud Computing	Elite + Silver; Score: 78	Dir./App.Cert. /MOOCs/2024-25/045
116	2024-25	CSE	Mohammad Ahmer Siddiqui	Programming, Data Structures and Algorithms using Python	Elite + Silver; Score: 81	Dir./App.Cert. /MOOCs/2024-25/001
137	2024-25	CSE	Mohammad Ahmer Siddiqui	Operating System Fundamentals	Elite + Silver; Score: 86	Dir./App.Cert. /MOOCs/2024-25/022
138	2024-25	CSE	Mohammad Ahmer Siddiqui	Programming in Java	Elite + Silver; Score: 82	Dir./App.Cert. /MOOCs/2024-25/023
161	2024-25	CSE	Mohammad Ahmer Siddiqui	Problem Solving Through Programming in C	Elite + Silver; Score: 86	Dir./App.Cert. /MOOCs/2024-25/046
162	2024-25	CSE	Mohammad Ahmer Siddiqui	Nptel Discipline Stars	Nptel Discipline Stars	Dir./App.Cert. /MOOCs/2024-25/047
163	2024-25	CSE	Mohammad Ahmer Siddiqui	Nptel Superstars	Nptel Superstars	Dir./App.Cert. /MOOCs/2024-25/048
123	2024-25	CSE	Mohammad Avaan	Big Data Computing	Elite; Score: 70	Dir./App.Cert. /MOOCs/2024-25/008
139	2024-25	CSE	Mohd Iliyas	Operating System Fundamentals	Successfully Completed; Score: 54	Dir./App.Cert. /MOOCs/2024-25/024
165	2024-25	CSE	Pervez Ahmed	Emotional Intelligence	Elite + Silver; Score: 78	Dir./App.Cert. /MOOCs/2024-25/050
140	2024-25	CSE	Prem Vishwakarma	Programming in Java	Elite; Score: 65	Dir./App.Cert. /MOOCs/2024-25/025
141	2024-25	CSE	Prithvi Singh Chauhan	Google Cloud Computing Foundations	Elite + Silver; Score: 75	Dir./App.Cert. /MOOCs/2024-25/026
166	2024-25	CSE	Prithvi Singh Chauhan	Emotional Intelligence	Elite; Score: 71	Dir./App.Cert. /MOOCs/2024-25/051

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Ref.	Session	Dept.	Name	Course / Star	Result / Score	Reference
172	2024-25	CSE	Prithvi Singh Chauhan	Introduction To Internet Of Things	Elite + Silver; Score: 80	Dir./App.Cert. /MOOCs/2024-25/057
175	2024-25	CSE	Prithvi Singh Chauhan	Introduction To Industry 4.0 And Industrial Internet Of Things	Elite + Silver; Score: 84	Dir./App.Cert. /MOOCs/2024-25/061
178	2024-25	CSE	Prithvi Singh Chauhan	Nptel Believers	Nptel Believers	Dir./App.Cert. /MOOCs/2024-25/064
142	2024-25	CSE	Priyanshu Nigam	Google Cloud Computing Foundations	Elite; Score: 67	Dir./App.Cert. /MOOCs/2024-25/027
167	2024-25	CSE	Priyanshu Nigam	Emotional Intelligence	Elite; Score: 64	Dir./App.Cert. /MOOCs/2024-25/052
173	2024-25	CSE	Priyanshu Nigam	Introduction To Internet Of Things	Elite + Silver; Score: 79	Dir./App.Cert. /MOOCs/2024-25/058
176	2024-25	CSE	Priyanshu Nigam	Introduction To Industry 4.0 And Industrial Internet Of Things	Elite; Score: 73	Dir./App.Cert. /MOOCs/2024-25/062
179	2024-25	CSE	Priyanshu Nigam	Nptel Believers	Nptel Believers	Dir./App.Cert. /MOOCs/2024-25/065
143	2024-25	CSE	Priyanshu Pathak	Google Cloud Computing Foundations	Elite; Score: 66	Dir./App.Cert. /MOOCs/2024-25/028
168	2024-25	CSE	Priyanshu Pathak	Emotional Intelligence	Elite; Score: 63	Dir./App.Cert. /MOOCs/2024-25/053
174	2024-25	CSE	Priyanshu Pathak	Introduction To Internet Of Things	Elite + Silver; Score: 77	Dir./App.Cert. /MOOCs/2024-25/059
177	2024-25	CSE	Priyanshu Pathak	Introduction To Industry 4.0 And Industrial Internet Of Things	Elite + Silver; Score: 77	Dir./App.Cert. /MOOCs/2024-25/063
180	2024-25	CSE	Priyanshu Pathak	Nptel Believers	Nptel Believers	Dir./App.Cert. /MOOCs/2024-25/066
117	2024-25	CSE	Saksham Janardan	Computer Graphics	Successfully Completed; Score: 44	Dir./App.Cert. /MOOCs/2024-25/002
164	2024-25	CSE	Sakshi Pandey	Python for Data Science	Successfully Completed; Score: 40	Dir./App.Cert. /MOOCs/2024-25/049
144	2024-25	CSE	Shalini Yadav	Google Cloud Computing Foundations	Successfully Completed; Score: 54	Dir./App.Cert. /MOOCs/2024-25/029

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Ref.	Session	Dept.	Name	Course / Star	Result / Score	Reference
145	2024-25	CSE	Shashank Gaur	Google Cloud Computing Foundations	Elite; Score: 60	Dir./App.Cert. /MOOCs/2024-25/030
146	2024-25	CSE	Shikhar Agarwal	Google Cloud Computing Foundations	Elite; Score: 62	Dir./App.Cert. /MOOCs/2024-25/031
147	2024-25	CSE	Shubhangi Singh	Google Cloud Computing Foundations	Elite; Score: 65	Dir./App.Cert. /MOOCs/2024-25/032
155	2024-25	CSE	Shubhangi Singh	The Joy of Computing using Python	Elite; Score: 62	Dir./App.Cert. /MOOCs/2024-25/040
148	2024-25	CSE	Soumya mishra	Google Cloud Computing Foundations	Elite; Score: 63	Dir./App.Cert. /MOOCs/2024-25/033
149	2024-25	CSE	Suryansh Vishwakarma	Google Cloud Computing Foundations	Elite; Score: 62	Dir./App.Cert. /MOOCs/2024-25/034
150	2024-25	CSE	Sushant Shukla	Google Cloud Computing Foundations	Elite; Score: 67	Dir./App.Cert. /MOOCs/2024-25/035
151	2024-25	CSE	Swapnil Singh	Google Cloud Computing Foundations	Elite; Score: 68	Dir./App.Cert. /MOOCs/2024-25/036
152	2024-25	CSE	Vedant bhagwani	Google Cloud Computing Foundations	Elite; Score: 72	Dir./App.Cert. /MOOCs/2024-25/037
153	2024-25	CSE	Vinod Kumar	Google Cloud Computing Foundations	Successfully Completed; Score: 51	Dir./App.Cert. /MOOCs/2024-25/038
159	2024-25	EE	Fazlur Rahman	Machine Learning and Deep Learning - Fundamentals and Applications	Elite; Score: 64	Dir./App.Cert. /MOOCs/2024-25/044
157	2024-25	ME	Aman Chauhan	Marine Engineering	Successfully Completed; Score: 56	Dir./App.Cert. /MOOCs/2024-25/042
169	2024-25	ME	Sadik Hussain	Manufacturing Automation	Successfully Completed; Score: 43	Dir./App.Cert. /MOOCs/2024-25/054
95	2023-24	CSE	Aaman khan	Cloud Computing	Elite + Silver; Score: 75	Dir./App.Cert. /MOOCs/2023-24/050
46	2023-24	CSE	Aayush Sharma	Python For Data Science	Elite + Silver; Score: 75	Dir./App.Cert. /MOOCs/2023-24/001
47	2023-24	CSE	Abhilasha Srivastava	Python For Data Science	Successfully Completed; Score: 54	Dir./App.Cert. /MOOCs/2023-24/002

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Ref.	Session	Dept.	Name	Course / Star	Result / Score	Reference
112	2023-24	CSE	Abhinav Pandey	Discrete Mathematics	Elite; Score: 68	Dir./App.Cert. /MOOCs/2023-24/068
66	2023-24	CSE	Aditya Yadav	Cloud Computing	Elite; Score: 60	Dir./App.Cert. /MOOCs/2023-24/021
103	2023-24	CSE	Ahan Raj	Programming In Java	Elite; Score: 71	Dir./App.Cert. /MOOCs/2023-24/058
67	2023-24	CSE	Akshit Kumar Tiwari	Introduction To Industry 4.0 And Industrial Internet Of Things	Elite; Score: 65	Dir./App.Cert. /MOOCs/2023-24/022
78	2023-24	CSE	Akshita Pandey	Software Conceptual Design	Elite; Score: 64	Dir./App.Cert. /MOOCs/2023-24/033
104	2023-24	CSE	Anand Kumar	Programming In Java	Elite; Score: 65	Dir./App.Cert. /MOOCs/2023-24/059
80	2023-24	CSE	Anshul Yadav	Machine Learning And Deep Learning - Fundamentals And Applications	Successfully Completed; Score: 50	Dir./App.Cert. /MOOCs/2023-24/035
81	2023-24	CSE	Anurag Mishra	Google Cloud Computing Foundations	Elite; Score: 67	Dir./App.Cert. /MOOCs/2023-24/036
82	2023-24	CSE	Anushka Srivastava	Software Conceptual Design	Elite + Silver; Score: 75	Dir./App.Cert. /MOOCs/2023-24/037
83	2023-24	CSE	Arniket Rai	Data Structure And Algorithms Using Java	Elite; Score: 61	Dir./App.Cert. /MOOCs/2023-24/038
105	2023-24	CSE	Arushi Jaiswal	Programming In Java	Elite; Score: 61	Dir./App.Cert. /MOOCs/2023-24/061
84	2023-24	CSE	Ashray Gupta	Google Cloud Computing Foundations	Elite; Score: 63	Dir./App.Cert. /MOOCs/2023-24/039
90	2023-24	CSE	Ayush Pathak	Systems and Usable Security	Elite + Silver; Score: 78	Dir./App.Cert. /MOOCs/2023-24/045
106	2023-24	CSE	Ayush Verma	Programming In Java	Successfully Completed; Score: 41	Dir./App.Cert. /MOOCs/2023-24/062
51	2023-24	CSE	Deepanshi Nigam	Data Base Management System	Successfully Completed; Score: 53	Dir./App.Cert. /MOOCs/2023-24/006
52	2023-24	CSE	Diwakar Yagyasen	Design Thinking - A Primer	Elite + Silver; Score: 80	Dir./App.Cert. /MOOCs/2023-24/007

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Ref.	Session	Dept.	Name	Course / Star	Result / Score	Reference
54	2023-24	CSE	Gargi Porwal	Data Science For Engineers	Successfully Completed; Score: 56	Dir./App.Cert. /MOOCs/2023-24/009
55	2023-24	CSE	Gargi Porwal	Introduction To Machine Learning - IITKGP	Elite; Score: 64	Dir./App.Cert. /MOOCs/2023-24/010
68	2023-24	CSE	Gaurav Yadav	Cloud Computing	Successfully Completed; Score: 51	Dir./App.Cert. /MOOCs/2023-24/023
69	2023-24	CSE	Kalpana Dixit	Cloud Computing	Elite; Score: 67	Dir./App.Cert. /MOOCs/2023-24/024
70	2023-24	CSE	Komal Singh	Cloud Computing	Successfully Completed; Score: 57	Dir./App.Cert. /MOOCs/2023-24/025
71	2023-24	CSE	Madhulika Sharma	Introduction To Algorithms And Analysis	Elite; Score: 70	Dir./App.Cert. /MOOCs/2023-24/026
56	2023-24	CSE	Masoom Singh	Data Science For Engineers	Elite; Score: 68	Dir./App.Cert. /MOOCs/2023-24/011
85	2023-24	CSE	Neelabh Tripathi	Google Cloud Computing Foundations	Elite; Score: 61	Dir./App.Cert. /MOOCs/2023-24/040
58	2023-24	CSE	Palak Chaubey	Design Thinking - A Primer	Elite; Score: 68	Dir./App.Cert. /MOOCs/2023-24/013
59	2023-24	CSE	Prakhar Saxena	Soft Skill Development	Successfully Completed; Score: 53	Dir./App.Cert. /MOOCs/2023-24/014
61	2023-24	CSE	Pratibha Yadav	Developing Soft Skills And Personality	Elite; Score: 72	Dir./App.Cert. /MOOCs/2023-24/016
73	2023-24	CSE	Priya Gupta	Cloud Computing	Successfully Completed; Score: 55	Dir./App.Cert. /MOOCs/2023-24/028
62	2023-24	CSE	Puneet Singh	Introduction To Machine Learning - IITKGP	Elite; Score: 60	Dir./App.Cert. /MOOCs/2023-24/017
113	2023-24	CSE	Puneet Singh	Deep Learning - IIT Ropar	Successfully Completed; Score: 48	Dir./App.Cert. /MOOCs/2023-24/069
115	2023-24	CSE	Rimjhim	Nptel Believers	Nptel Believers	Dir./App.Cert. /MOOCs/2023-24/071
63	2023-24	CSE	Risha Ritika	Data Base Management System	Successfully Completed; Score: 53	Dir./App.Cert. /MOOCs/2023-24/018

NPTEL / MOOCs

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Ref.	Session	Dept.	Name	Course / Star	Result / Score	Reference
100	2023-24	CSE	Saksham Janardan	Foundation of Cloud IoT Edge ML	Elite; Score: 68	Dir./App.Cert. /MOOCs/2023-24/055
74	2023-24	CSE	Samriddhi Chaurasia	Cloud Computing	Elite; Score: 72	Dir./App.Cert. /MOOCs/2023-24/029
75	2023-24	CSE	Samriddhi Chaurasia	Introduction To Industry 4.0 And Industrial Internet Of Things	Elite; Score: 73	Dir./App.Cert. /MOOCs/2023-24/030
101	2023-24	CSE	Samriddhi Chaurasia	Introduction To Internet Of Things	Elite + Silver; Score: 87	Dir./App.Cert. /MOOCs/2023-24/056
102	2023-24	CSE	Samriddhi Chaurasia	Patent Law for Engineers and Scientists	Successfully Completed; Score: 50	Dir./App.Cert. /MOOCs/2023-24/057
98	2023-24	CSE	Sudiksha Srivastava	Cloud Computing	Elite; Score: 73	Dir./App.Cert. /MOOCs/2023-24/053
65	2023-24	CSE	Tanya Singh	Data Base Management System	Successfully Completed; Score: 51	Dir./App.Cert. /MOOCs/2023-24/020
87	2023-24	CSE	Tanya Singh	Software Testing (IIITB)	Successfully Completed; Score: 46	Dir./App.Cert. /MOOCs/2023-24/042
76	2023-24	CSE	Ujjwal Shukla	Patent Law For Engineers And Scientists	Successfully Completed; Score: 54	Dir./App.Cert. /MOOCs/2023-24/031
93	2023-24	CSE	Ujjwal Shukla	Speaking Effectively	Elite; Score: 72	Dir./App.Cert. /MOOCs/2023-24/048
110	2023-24	CSE	Ujjwal Shukla	Data Analytics with Python	Elite + Silver; Score: 78	Dir./App.Cert. /MOOCs/2023-24/066
77	2023-24	CSE	Vaibhav Paliwal	Patent Law For Engineers And Scientists	Successfully Completed; Score: 50	Dir./App.Cert. /MOOCs/2023-24/032
94	2023-24	CSE	Vaibhav Paliwal	Speaking Effectively	Elite; Score: 72	Dir./App.Cert. /MOOCs/2023-24/049
111	2023-24	CSE	Vaibhav Paliwal	Data Analytics with Python	Elite; Score: 73	Dir./App.Cert. /MOOCs/2023-24/067
88	2023-24	CSE	Vanshika Srivastava	Data Structure And Algorithms Using Java	Elite + Silver; Score: 84	Dir./App.Cert. /MOOCs/2023-24/043
79	2023-24	CSE	ananya srivastava	Google Cloud Computing Foundations	Elite; Score: 69	Dir./App.Cert. /MOOCs/2023-24/034

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Ref.	Session	Dept.	Name	Course / Star	Result / Score	Reference
48	2023-24	EE	Apoorva Srivastava	Introduction To Machine Learning - IITKGP	Elite + Silver; Score: 78	Dir./App.Cert. /MOOCs/2023-24/003
50	2023-24	EE	Bhanu Kumar Yadav	Data Science For Engineers	Successfully Completed; Score: 46	Dir./App.Cert. /MOOCs/2023-24/005
91	2023-24	EE	Bhanu Kumar Yadav	Speaking Effectively	Elite; Score: 62	Dir./App.Cert. /MOOCs/2023-24/046
107	2023-24	EE	Bhanu Kumar Yadav	Manufacturing Process Technology I & II	Successfully Completed; Score: 50	Dir./App.Cert. /MOOCs/2023-24/063
53	2023-24	EE	Fazlur Rahman	Introduction To Machine Learning - IITKGP	Elite + Silver; Score: 80	Dir./App.Cert. /MOOCs/2023-24/008
60	2023-24	EE	Prashant Shukla	Data Science For Engineers	Successfully Completed; Score: 48	Dir./App.Cert. /MOOCs/2023-24/015
92	2023-24	EE	Prashant Shukla	Speaking Effectively	Elite; Score: 66	Dir./App.Cert. /MOOCs/2023-24/047
108	2023-24	EE	Prashant Shukla	Manufacturing Process Technology I & II	Successfully Completed; Score: 58	Dir./App.Cert. /MOOCs/2023-24/064
64	2023-24	EE	Shubham Yadav	Data Science For Engineers	Elite; Score: 60	Dir./App.Cert. /MOOCs/2023-24/019
109	2023-24	EE	Shubham Yadav	Manufacturing Process Technology I & II	Elite; Score: 64	Dir./App.Cert. /MOOCs/2023-24/065
49	2023-24	IT	Asmita Singh	Data Science For Engineers	Elite; Score: 60	Dir./App.Cert. /MOOCs/2023-24/004
57	2023-24	IT	Nishu Yadav	Data Base Management System	Successfully Completed; Score: 52	Dir./App.Cert. /MOOCs/2023-24/012
89	2023-24	IT	Yash Vardhan Singh	Data Structure And Algorithms Using Java	Successfully Completed; Score: 54	Dir./App.Cert. /MOOCs/2023-24/044
72	2023-24	ME	Paramvir Yadav	Patent Law For Engineers And Scientists	Successfully Completed; Score: 54	Dir./App.Cert. /MOOCs/2023-24/027
86	2023-24	ME	Paramvir Yadav	Introduction To Internet Of Things	Elite + Silver; Score: 87	Dir./App.Cert. /MOOCs/2023-24/041
96	2023-24	ME	Rimjhim	Entrepreneurship Essentials	Successfully Completed; Score: 51	Dir./App.Cert. /MOOCs/2023-24/051

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Ref.	Session	Dept.	Name	Course / Star	Result / Score	Reference
97	2023-24	ME	Rimjhim	Introduction To Fluid Mechanics	Elite; Score: 62	Dir./App.Cert. /MOOCs/2023-24/052
99	2023-24	ME	Rimjhim	Petroleum Economics and Management	Successfully Completed; Score: 58	Dir./App.Cert. /MOOCs/2023-24/054
114	2023-24	ME	Rimjhim	Thermal Engineering: Basic and Applied	Successfully Completed; Score: 48	Dir./App.Cert. /MOOCs/2023-24/070
8	2022-23	CE	Kashish Shrivastava	Emotional Intelligence	Successfully Completed; Score: 53	Dir./App.Cert. /MOOCs/2022-23/008
9	2022-23	CE	Monika Gupta	Emotional Intelligence	Elite; Score: 64	Dir./App.Cert. /MOOCs/2022-23/009
10	2022-23	CE	Monika Gupta	Speaking Effectively	Elite; Score: 63	Dir./App.Cert. /MOOCs/2022-23/010
16	2022-23	CE	Shivangi Chaudhary	Emotional Intelligence	Elite + Silver; Score: 80	Dir./App.Cert. /MOOCs/2022-23/016
18	2022-23	CE	Stuti Verma	Emotional Intelligence	Elite; Score: 61	Dir./App.Cert. /MOOCs/2022-23/018
19	2022-23	CE	Stuti Verma	Speaking Effectively	Successfully Completed; Score: 54	Dir./App.Cert. /MOOCs/2022-23/019
43	2022-23	CSE	Abhijeet Singh Chauhan	Nptel Believers	Nptel Believers	Dir./App.Cert. /MOOCs/2022-23/043
44	2022-23	CSE	Abhijeet Singh Chauhan	Nptel Enthusiasts	Nptel Enthusiasts	Dir./App.Cert. /MOOCs/2022-23/044
2	2022-23	CSE	Akshat Chaturvedi	Software Testing	Successfully Completed; Score: 49	Dir./App.Cert. /MOOCs/2022-23/002
25	2022-23	CSE	Akshat Chaturvedi	Computer Networks And Internet Protocol	Elite; Score: 62	Dir./App.Cert. /MOOCs/2022-23/025
3	2022-23	CSE	Akshit Kumar Tiwari	Speaking Effectively	Successfully Completed; Score: 57	Dir./App.Cert. /MOOCs/2022-23/003
26	2022-23	CSE	Akshit Kumar Tiwari	Enhancing Soft Skills and Personality	Elite; Score: 68	Dir./App.Cert. /MOOCs/2022-23/026
39	2022-23	CSE	Akshit Kumar Tiwari	Introduction To Internet Of Things	Elite; Score: 68	Dir./App.Cert. /MOOCs/2022-23/039

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Ref.	Session	Dept.	Name	Course / Star	Result / Score	Reference
45	2022-23	CSE	Akshit Kumar Tiwari	Nptel Discipline Stars	Nptel Discipline Stars	Dir./App.Cert. /MOOCs/2022-23/045
40	2022-23	CSE	Anshul Yadav	Ethical Hacking	Successfully Completed; Score: 52	Dir./App.Cert. /MOOCs/2022-23/040
12	2022-23	CSE	Prakhar Saxena	Speaking Effectively	Successfully Completed; Score: 53	Dir./App.Cert. /MOOCs/2022-23/012
13	2022-23	CSE	Puneet Singh	Data Science for Engineers	Successfully Completed; Score: 57	Dir./App.Cert. /MOOCs/2022-23/013
14	2022-23	CSE	Samriddhi Chaurasia	Emotional Intelligence	Elite; Score: 62	Dir./App.Cert. /MOOCs/2022-23/014
42	2022-23	CSE	Sudiksha Srivastava	Introduction To Internet Of Things	Elite + Silver; Score: 75	Dir./App.Cert. /MOOCs/2022-23/042
21	2022-23	CSE	Ujjwal Shukla	Emotional Intelligence	Elite + Silver; Score: 78	Dir./App.Cert. /MOOCs/2022-23/021
34	2022-23	CSE	Ujjwal Shukla	Introduction To Industry 4.0 And Industrial Internet Of Things	Elite; Score: 72	Dir./App.Cert. /MOOCs/2022-23/034
22	2022-23	CSE	Vaibhav Paliwal	Emotional Intelligence	Elite; Score: 60	Dir./App.Cert. /MOOCs/2022-23/022
35	2022-23	CSE	Vaibhav Paliwal	Introduction To Industry 4.0 And Industrial Internet Of Things	Elite + Silver; Score: 75	Dir./App.Cert. /MOOCs/2022-23/035
4	2022-23	EE	Apoorva Srivastava	Electric Vehicles - Part 1	Successfully Completed; Score: 52	Dir./App.Cert. /MOOCs/2022-23/004
27	2022-23	EE	Bhanu Kumar Yadav	Introduction To Industry 4.0 And Industrial Internet Of Things	Elite; Score: 69	Dir./App.Cert. /MOOCs/2022-23/027
6	2022-23	EE	Fazlur Rahman	Electric Vehicles - Part 1	Successfully Completed; Score: 56	Dir./App.Cert. /MOOCs/2022-23/006
28	2022-23	EE	Km Vijaya Shukla	Enhancing Soft Skills and Personality	Elite; Score: 71	Dir./App.Cert. /MOOCs/2022-23/028
41	2022-23	EE	Km Vijaya Shukla	Introduction To Internet Of Things	Elite + Silver; Score: 75	Dir./App.Cert. /MOOCs/2022-23/041
30	2022-23	EE	Prashant Shukla	Introduction To Industry 4.0 And Industrial Internet Of Things	Elite; Score: 65	Dir./App.Cert. /MOOCs/2022-23/030

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Ref.	Session	Dept.	Name	Course / Star	Result / Score	Reference
32	2022-23	EE	Shubham Yadav	Introduction To Industry 4.0 And Industrial Internet Of Things	Elite; Score: 70	Dir./App.Cert. /MOOCs/2022-23/032
1	2022-23	ECE	Abhijeet singh chauhan	Data Science for Engineers	Successfully Completed; Score: 53	Dir./App.Cert. /MOOCs/2022-23/001
23	2022-23	ECE	Abhijeet singh chauhan	Enhancing Soft Skills and Personality	Successfully Completed; Score: 57	Dir./App.Cert. /MOOCs/2022-23/023
24	2022-23	ECE	Abhijeet singh chauhan	Introduction To Industry 4.0 And Industrial Internet Of Things	Successfully Completed; Score: 55	Dir./App.Cert. /MOOCs/2022-23/024
36	2022-23	ECE	Abhijeet singh chauhan	Data Analytics with Python	Successfully Completed; Score: 54	Dir./App.Cert. /MOOCs/2022-23/036
37	2022-23	ECE	Abhijeet singh chauhan	Introduction To Internet Of Things	Elite; Score: 62	Dir./App.Cert. /MOOCs/2022-23/037
38	2022-23	ECE	Aditya Singh	Introduction To Internet Of Things	Elite; Score: 66	Dir./App.Cert. /MOOCs/2022-23/038
20	2022-23	ECE	Suhani Gupta	Emotional Intelligence	Elite; Score: 72	Dir./App.Cert. /MOOCs/2022-23/020
5	2022-23	IT	Chandraket Yadav	Speaking Effectively	Elite; Score: 62	Dir./App.Cert. /MOOCs/2022-23/005
7	2022-23	ME	Gitesh Sharma	Fundamental of Welding Science and Technology	Successfully Completed; Score: 49	Dir./App.Cert. /MOOCs/2022-23/007
11	2022-23	ME	Paramvir Yadav	Speaking Effectively	Elite; Score: 71	Dir./App.Cert. /MOOCs/2022-23/011
29	2022-23	ME	Paramvir Yadav	Introduction To Industry 4.0 And Industrial Internet Of Things	Elite + Silver; Score: 76	Dir./App.Cert. /MOOCs/2022-23/029
15	2022-23	ME	Sanidhya Mishra	Speaking Effectively	Elite; Score: 60	Dir./App.Cert. /MOOCs/2022-23/015
31	2022-23	ME	Sanidhya Mishra	Introduction To Industry 4.0 And Industrial Internet Of Things	Elite; Score: 70	Dir./App.Cert. /MOOCs/2022-23/031
17	2022-23	ME	Shubhra Sharma	Speaking Effectively	Elite; Score: 61	Dir./App.Cert. /MOOCs/2022-23/017
33	2022-23	ME	Shubhra Sharma	Introduction To Industry 4.0 And Industrial Internet Of Things	Elite; Score: 62	Dir./App.Cert. /MOOCs/2022-23/033

ACHIEVEMENTS / AWARDS

18 institutional records

Ref.	Session	Dept.	Faculty	Achievement / Award	Organization / Outcome
16	2025-2026	CSE	Dr. Ashish Tiwari	Shortlisted for Post Doctoral Fellowship at Jesselton University, Malaysia	Jesselton University, Malaysia
17	2025-2026	CSE	Dr. Ashish Tiwari	Certificate of Recognition as Conference Chair - Fourth International Conference on Advancements in Science, Engineering and Technology (ICASET 2026)	Vidya Vihar Institute of Technology, Purnea and RSP Conference Hub; 26-27 June 2026
15	2025-2026	EE	Prof. Rafik Ahmad	IEEE Volunteer Leadership Training (VoLT) Program-2025 Graduate Recognition	IEEE Volunteer Leadership Training Program / IEEE Member and Geographic Activities (MGA)
18	2025-2026	EE	Prof. Rafik Ahmad	IEEE India Council Outstanding Young Professional Volunteer Award	IEEE India Council; Award Ceremony during INDICON 2025 at IIIT Bangalore
10	2024-2025	CSE	Dr. Usha Sharma	Launch of Robotics Club at BBDITM, Lucknow - Convener	
12	2024-2025	ECE	Prof. Dharmesh Kumar	Launch of Robotics Club at BBDITM, Lucknow - Faculty Coordinator	
11	2024-2025	EE	Prof. Rafik Ahmad	Launch of Robotics Club at BBDITM, Lucknow - Faculty Coordinator	
9	2023-2024	ASH/HU	Ms. Poonam Singh	Evidence of Appreciation for presenting research paper: Beyond Materialism: Embracing Spiritual Wisdom from Srimad Bhagavad Gita to Improve Employee Performance at the Workplace	International Conference on Integrating AI, Spirituality, Health Care & Management for Sustainable Well Being 2023, Amity University Lucknow Campus (25-26 Sep 2023)
6	2022-2023	CSE	Dr. Anurag Tiwari	Wipro Certified Trainer	
7	2022-2023	CSE	Dr. Manuj Darbari	National Expert and Speaker for I4.0	
8	2022-2023	ECE	Dr. Shailendra Tahilyani	Appointed as Jury Member in "Samagra Shiksha Abhiyaan"	
13	2022-2023	ECE	Dr. Shailendra Tahilyani	Edu Icons' Award from Hon'ble Deputy CM of Uttar Pradesh.	
14	2022-2023	ME	Neha Gupta	Received Best Young faculty Award, Knowledge Research Academy, Coimbatore, Tamil Nadu	
2	2020	IT	Prof. (Dr.) Anurag Tiwari	Social Media Based Framework for Community Mobilisation During and Post Pandemic	
3	2020	IT	Prof. (Dr.) Manuj Darbari	Social Media Based Framework for Community Mobilisation During and Post Pandemic	
4	2020	IT	Prof. (Dr.) Manuj Darbari and Prof. (Dr.) Anurag Tiwari	Multi Objective Optimisation Based Decision Support System in buying Mobile Handset	
5	2020	IT	Prof. (Dr.) V. Srikanth	ISUAV- Woman Security: Intelligent Woman Security Using Streetlight and Auto Run Unmanned Aerial Vehicle Using IOT-Based Technology	

ACHIEVEMENTS / AWARDS

18 institutional records

Ref.	Session	Dept.	Faculty	Achievement / Award	Organization / Outcome
1	2019	IT	Prof. Girjesh Kumar Mishra	NET Qualified	

INSTITUTIONAL INNOVATION ACTIVITIES

Institutional activity records in academic-session sequence

SESSION

2026-27

CATEGORY

Innovation / Hackathon

ACTIVITY

BBDITM Internal Hackathon 2026

DATE / VENUE / REFERENCE

24-25 Sep 2026
Final Competition: 25 Sep 2026 | 10:00 AM
Venue: Room 507
Team size: 2-6 members

Registration Record

EVIDENCE LINK REGISTER

508 source entries | original reference IDs retained

Link No.	Category	Institutional Record / Reference	Source
L001	Publications - Current	2026-27 | CSE | ACCEPTED | FAMIR: Fuzzy Adaptive Multi-Expert Image Retrieval under | Domain Shift and Adverse Visual Conditions |	OPEN SOURCE
L002	Publications - Current	Poonam Singh; Pooja Khanna; C. L. P. Gupta; Prem | Shanker Yadav | ICACECT-2027 | Manuscript 391 | Accepted for presentation 2026-27 | CSE | ACCEPTED | Convex-Hull Guided Image Retrieval under Domain Shift and | Adverse Visual Conditions: Bridging Classical Geometry with | Vision Foundation Models | Poonam Singh; Pooja Khanna; C. L. P. Gupta; Prem | Shanker Yadav | ISDDC-2026 | Paper 812	OPEN SOURCE
L003	Publications - Current	| Accepted | Oral presentation 2026-27 | CSE | ACCEPTED | A Review of Data-Driven Approaches for Comorbidity | Prediction: From Machine Learning Models to Cloud-Based | Systems | Chandan Kumar; Karthika M; R. Sabitha; K. | Roopatharshini; Poonam Singh; T. Hemalatha | ICOSICS-2026 |	OPEN SOURCE
L004	Publications - Current	Article 1124 | Accepted for presentation 2026-27 | EE | PUBLISHED | Performance Optimization and Net Yield Evaluation of a Fuzzy | Logic-Driven Single vs. Dual-Axis Solar Tracker for 100 kW PV | Systems under Lucknow's Climatic Profile | Priyank Srivastava; Asif Jamil Ansari; Monica | Mehrotra; Akhlaque Ahmad Khan |	OPEN SOURCE
L005	Publications - Current	IJAIML 6(11s), 982-994 | Published | 22 Sep 2026 2026-27 | ASH/HU | PUBLISHED | Thiosemicarbazone metal complexes as multifunctional | therapeutic platforms: Advances, mechanisms,	OPEN SOURCE
L006	Publications - Current	and future | prospects | Kavita Dhariyal | European Journal of Medicinal | Chemistry 320, 119334 | Published | 21 Sep 2026 2025-26 | CSE | PUBLISHED | AI-driven Stress Detection and Management | Khushi Sharma; Anju; Poonam Singh | IJERT 15(04) |	OPEN SOURCE
L007	Publications - Current	IJERTV15IS042370 | Published | 26 Apr 2026 2025-26 | CSE | PUBLISHED | Lightweight Deep Learning-Based Alzheimer's Detection Using | MobileNetV2 and Grad-CAM: A Comprehensive Review | Poonam Singh; Ayush Verma; Arushi Jaiswal; Ashish | Shukla | IJARSCT 6(2) | DOI | 10.48175/IJARSCT-31215 |	OPEN SOURCE
L008	Publications	Published | Feb 2026 346 | 2026-27 | CSE | Dr. Anurag Tiwari; Mr. | Satish Singh Verma | A Review on Machine Learning Approaches for Early Detection | of Lumpy Skin Disease in Cattle | Scopus Publication | Proceedings of International | Conference on Computational Intelligence (ICCI 2025), |	OPEN SOURCE
L009	Publications	Springer, Lecture Notes in Networks and Systems (LNNS), | Vol. 2063, pp. 107-121;... 1248 | 2026-27 | CSE | Dr. Ashish Tiwari | Cryptographic and discrete approaches to IoT cybersecurity: A | risk management and security analysis | Scopus Publication | Journal of Discrete Mathematical | Sciences and Cryptography, Taru Publications; Article No. | JDMSC-2747;	OPEN SOURCE
L010	Publications	Pages 3207-3217; ISSN Online: 2169-0065; | ISSN Print: 0972-0529; CiteScore 2025:... 78 | 2025-26 | AIML | Mr. Rafik Ahmad | Bridging renewable energy sources with non-isolated DC-DC | converters: challen... | SCI	OPEN SOURCE
L011	Publications	Publication | Discover Electronics 79 | 2025-26 | AIML | Mr. Rafik Ahmad | Enhancing voltage regulation of a zeta converter using PI and | PID controllers... | SCI	OPEN SOURCE
L012	Publications	Publication | Discover Electronics 283 | 2025-26 | AIML | Mr. Joy Roy | Analytical Solutions for Scale and Time Dependent Solute | Transport in Heterog... | Referred Journal	OPEN SOURCE
L013	Publications	Publication | Journal of Water Resources | and Ocean Sciences / Volume 12(I), pp. I-II, 2023.... 284 | 2025-26 | AIML | Mr. Joy Roy | Analytical Solutions of Two-dimensional Solute Transport with | Spatially and T... | Referred Journal Publication | Referred Journal	OPEN SOURCE

Link No.	Category	Institutional Record / Reference	Source
L014	Publications	285 | 2025-26 | AIML | Mr. Joy Roy | Analytical solutions of one-dimensional scale dependent | advection-dispersion ... | Referred Journal	OPEN SOURCE
L015	Publications	Publication | Volume 16, 2022. DOI.org 286 | 2025-26 | AIML | Mr. Joy Roy | Numerical Solution for Advection-Dispersion Equation with | Uniform and Varying... | Referred Journal	OPEN SOURCE
L016	Publications	Publication | Environment and Earth | Sciences Research Journal / Volume 9(4), pp. 133-138, 2... 287 | 2025-26 | AIML | Ms. Apoorva Srivastava | Performance comparison of PI and AI-based controllers for solar | PV-fed fast e... | Referred	OPEN SOURCE
L017	Publications	Journal Publication | Energy Storage and | Conversion, 4(2), 4074, 2026 / DOI: 10.59400/esc4074 276 | 2025-26 | ASH/HU | Dr. Ashutosh K. Srivastava | Synthesis, Characterization and Antimicrobial Activity of Novel | 2H-oxazinyl-t... |	OPEN SOURCE
L018	Publications	Referred Journal Publication | Research Journal of | Chemistry and Environment, Volume 29(12), Dec 2025 / | DOI:... 277 | 2025-26 | ASH/HU | Dr. Shahanshah Haider | Abdi | Unraveling Mixed Ionic-Electronic Conduction in | Lithium-Substituted Rubidium ... |	OPEN SOURCE
L019	Publications	Referred Journal Publication | Research & Reviews: Journal | of Physics, 14(2), 19-29, 2025 / DOI: 10.37591/RR... 278 | 2025-26 | ASH/HU | Mr. Ashirwad Dubey | Performance Enhancement of Static Transfer Switch Using | Advanced State Estima... |	OPEN SOURCE
L020	Publications	Referred Journal Publication | IJCESEN, Volume 11(3), | 4902-4909, 2025 / DOI: 10.22399/ijcesen.3304 279 | 2025-26 | ASH/HU | Mr. Suraj Srivastava | A flyer plates in explosive welding process with kinetic energy | Referred Journal Publication |	OPEN SOURCE
L021	Publications	Journal of Emerging | Technologies and Innovative Research, Volume 12 Issue 8, | ... 280 | 2025-26 | ASH/HU | Ms. Poonam | Bhagavad Gita Environment | Referred Journal Publication | International Journal for |	OPEN SOURCE
L022	Publications	Multidisciplinary Research (IJFMR) 281 | 2025-26 | ASH/HU | Ms. Poonam | The Srimad Bhagavad Gita's Perspective on the Environment: | Nature as Divine M... | Referred	OPEN SOURCE
L023	Publications	Journal Publication | International Journal for | Multidisciplinary Research (IJFMR), Volume 7, Issue... 282 | 2025-26 | ASH/HU | Ms. Richa Singh | Characterization of Activated Carbon Nano-materials prepared | from Sugarcane B... | Referred	OPEN SOURCE
L024	Publications	Journal Publication | KRONIKA JOURNAL, Volume | 25 Issue 12, 2025 288 | 2025-26 | CE | Dr. D.S. Ray | Design of Cement Concrete Lining of Canal: A Civil Engineering | Study | Referred Journal Publication |	OPEN SOURCE
L025	Publications	International Journal for | Multidisciplinary Research (IJFMR), 8(1), 2026 14 | 2025-26 | CSE | Dr. Sangeeta Mishra | Design of FAHP based Security Framework under Agile | Software Development | SCI Journal	OPEN SOURCE
L026	Publications	Publication | International Journal of Intelligent | Systems and Applications in Engineering(... 15 | 2025-26 | CSE | Mr. Amit Kumar Sachan | AI Ethics: Bridging Innovation with Morality | SCI Journal Publication | Cuestiones de	OPEN SOURCE
L027	Publications	Fisioterapia (ISSN: | 1135-8599) 16 | 2025-26 | CSE | Mr. Gyanendra Kumar | Enhancing trust in the social Internet of things: A comprehensive | review | SCI Journal	OPEN SOURCE
L028	Publications	Publication | Emerging Trends in Computer | science and its Application (CRC Press) / DOI: 10... 17 | 2025-26 | CSE | Mr. Rajeev Srivastava | Digital Dwelling Hub:Revolutioninzing Real Estate With AR and | Smart Home Inte... | SCI Journal Publication | Emerging Trends in Computer | Science and Its Application: Proceedings of the I...	OPEN SOURCE

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508 source entries | original reference IDs retained

Link No.	Category	Institutional Record / Reference	Source
L029	Publications	18 | 2025-26 | CSE | Mr. Vinayak | A refined VGG-19 model for accurate classification of Lung | Cancer | SCI Journal Publication | Journal of	OPEN SOURCE
L030	Publications	Dyanmics and Control / | 9,2,1672-6553 19 | 2025-26 | CSE | Mr. Vinayak | Mmt-Vin: An Intelligent lung cancer detection framework utilizing | Machine Lea... | SCI Journal Publication	OPEN SOURCE
L031	Publications	| Nanotechnology Perception / | 20,S13,1660-6795 20 | 2025-26 | CSE | Mr. Vineet Agarwal | Reform Dentistry: A web-based platform for revolutionizing | dentistry | SCI Journal Publication |	OPEN SOURCE
L032	Publications	Emerging Trends in Computer | Science and Its Application Proceedings of the In... 21 | 2025-26 | CSE | Ms. Neha Chauhan | Digitalization and Hospitalization: A Smart Hospital Management | Framework | SCI Journal	OPEN SOURCE
L033	Publications	Publication | International Journal of Scientific | Research in Engineering and Management (I... 22 | 2025-26 | CSE | Ms. Richa Verma | Machine Learning Algorithms Applied with Questionnaire | Dataset to Investigate... | SCI Journal	OPEN SOURCE
L034	Publications	Publication | Proceedings of The International | Conference on Recent Innovations in Computin... 23 | 2025-26 | CSE | Ms. Rudrendra Bahadur | Singh | A Review Article for Argumentation Mining of Text through | Machine Learning Te... |	OPEN SOURCE
L035	Publications	SCI Journal Publication | Journal of Information Systems | Engineering and Management, 2025, 10(26s) 24 | 2025-26 | CSE | Ms. Rudrendra Bahadur | Singh | Reconceptualizing Argument Mining as a Text-to-Text | Generation Problem | SCI	OPEN SOURCE
L036	Publications	Journal Publication | METSZET JOURNAL, Volume 10 | Issue 5, 2025 75 | 2025-26 | CSE | Dr. Anurag Tiwari | Dual Path Attention Fusion Network for Automated Lumpy Skin | Disease Detection | SCI / Scopus	OPEN SOURCE
L037	Publications	Journal Publication | Indian Journal of Animal | Research, Article ID B-5782, First Online 28-04-2026 76 | 2025-26 | CSE | Mr. Vinayak | A critique of CNN Models for the Detection of early stage Lung | Cancer | Scopus Publication | African	OPEN SOURCE
L038	Publications	Journal of Biological Sciences 289 | 2025-26 | CSE | Dr. Diwakar Yagyasen | Robotic Gripper Advancements and Future Directions in Order | to Improve Contro... | Referred	OPEN SOURCE
L039	Publications	Journal Publication | Referred Journal, Volume | 12(1), pp. 159-175 290 | 2025-26 | CSE | Dr. Ram Bhushan | A comprehensive Study on Smart Noise Alert & Detection | System | Referred Journal Publication |	OPEN SOURCE
L040	Publications	International Journal of | Scientific Research in Engineering and Management / ... 291 | 2025-26 | CSE | Dr. Ram Bhushan | Artificial Intelligence Technology Based on EEG Signals for | Monitoring the On... | Referred Journal	OPEN SOURCE
L041	Publications	Publication | Advancements in | Communication and Systems 292 | 2025-26 | CSE | Dr. Ram Bhushan | Enhancing Accessibility of Laplace Transform for Introductory | Mathematics Edu... | Referred	OPEN SOURCE
L042	Publications	Journal Publication | Advancements in | Communication and Systems 293 | 2025-26 | CSE | Dr. Ram Bhushan | Exploring Mathematical Concepts in Ramcharit Manas: A | Unique Perspective on N... | Referred	OPEN SOURCE
L043	Publications	Journal Publication | International Journal of Recent | Trends in Multidisciplinary Research / 5, 1, ... 294 | 2025-26 | CSE | Dr. Ram Bhushan | Streetlight Controller and Management System (SCMS) | Referred Journal Publication | International Journal of | Scientific Research in Engineering and Management (I...	OPEN SOURCE

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L044	Publications	295 | 2025-26 | CSE | Dr. Sangeeta Mishra | Fuzzy AHP based new questionnaire process for improving | judgements under ASD ... |	OPEN SOURCE
L045	Publications	Referred Journal Publication | Communications in Computer | and Information Science, 296 | 2025-26 | CSE | Mr. Ajay Kumar | TECH TRAJECTORY:AI-Enhanced Career Guidance System | Referred Journal Publication |	OPEN SOURCE
L046	Publications	International Journal of | Research in Engineering, Science and Management 297 | 2025-26 | CSE | Mr. Ajay Kumar | VedaRoot - Medicinal Plant Detection Web Application | Referred Journal Publication | International	OPEN SOURCE
L047	Publications	Journal of | Scientific Research and Engineering Development / Vo... 298 | 2025-26 | CSE | Mr. Amit Kumar Sachan | A Machine Learning-Based Deanonymization Tool for Analyzing | Anonymized Networ... |	OPEN SOURCE
L048	Publications	Referred Journal Publication | Referred Journal 299 | 2025-26 | CSE | Mr. Amit Kumar Sachan | Advancing public information processing: a research of | summarization and retr... | Referred	OPEN SOURCE
L049	Publications	Journal Publication | International Research Journal | of Modernization in Engineering Technology and... 300 | 2025-26 | CSE | Mr. Amit Kumar Sachan | Stock Price Prediction Model | Referred Journal Publication | International Journal of |	OPEN SOURCE
L050	Publications	Scientific Research in Engineering and Management / ... 301 | 2025-26 | CSE | Mr. Chinmay Shukla | Farmer-Merchant Integration: A Digital Agricultural Marketplace | System | Referred Journal	OPEN SOURCE
L051	Publications	Publication | 213-217 DOI: 10.27896 | /metszet10.5/19 302 | 2025-26 | CSE | Mr. Deepak Pant | EduDevOps : The Ultimate CI CD Corporate Devops Pipeline | Project | Referred Journal Publication	OPEN SOURCE
L052	Publications	| International Journal of | scientific research in engineering & management 303 | 2025-26 | CSE | Mr. Gyanendra Kumar | VigilantNet:Intelligent Network and App Security Manager | Referred Journal Publication |	OPEN SOURCE
L053	Publications	METSZET Journal 304 | 2025-26 | CSE | Mr. Praveen Kumar Pandey | Cloud Native Evaluator Application : Based on Drops pipeline | Referred Journal	OPEN SOURCE
L054	Publications	Publication | International Journal of | Scientific Research in Engineering and Management (I... 305 | 2025-26 | CSE | Mr. Praveen Kumar Pandey | Sign Ease : AI-Based Gesture Recognition | Referred Journal Publication | IEEE	OPEN SOURCE
L055	Publications	Conference / Publication 306 | 2025-26 | CSE | Mr. Rajeev Srivastava | BioStamp :-An IoT-Enabled Automated Physical Stamping | System | Referred Journal	OPEN SOURCE
L056	Publications	Publication | Volume-9,Issue_05 May, | 2025,ISSN No-2582--3930 307 | 2025-26 | CSE | Mr. Rajeev Srivastava | Digital Dwelling Hub: Revolutionizing Real Estate with AR and | Smart Home Inte... | Referred	OPEN SOURCE
L057	Publications	Journal Publication | Emerging Trends in Computer | Science and Its Application: Proceedings of the I... 308 | 2025-26 | CSE | Mr. Sandeep Kumar Mishra | Pediatric brain tumor detection in MRI | Referred Journal Publication | Referred Journal	OPEN SOURCE
L058	Publications	309 | 2025-26 | CSE | Ms. Saroj Singh | Challenges in Software Engineering for Green Software | Development | Referred Journal Publication | Referred Journal	OPEN SOURCE
L059	Publications	310 | 2025-26 | CSE | Mr. Saurabh Kumar Jain | Deep Fake Detection: Using a web Based Convolutional Neural | Network System | Referred	OPEN SOURCE

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L060	Publications	Journal Publication | International Journal of | Scientific Research in Engineering and Management (I... 311 | 2025-26 | CSE | Mr. Shekhar Srivastava | Collaborative-IDE: A Collaborative Integrated Development | Environment | Referred Journal	OPEN SOURCE
L061	Publications	Publication | International Research Journal | of Modernization in Engineering Technology and... 312 | 2025-26 | CSE | Mr. Shekhar Srivastava | Street Animal Welfare System | Referred Journal Publication | International Journal of |	OPEN SOURCE
L062	Publications	Scientific Research in Engineering and Management (I... 313 | 2025-26 | CSE | Mr. Shekhar Srivastava | Virtual Health Integration: A Digital Healthcare Service | Integration System | Referred Journal	OPEN SOURCE
L063	Publications	Publication | International Journal of | Scientific Research in Engineering and Management (I... 314 | 2025-26 | CSE | Mr. Vinayak | Pulmonary Disease Prediction by Using Machine Learning | Techniques | Referred Journal Publication |	OPEN SOURCE
L064	Publications	International Journal of | Scientific Research in Engineering and Management (I... 315 | 2025-26 | CSE | Mr. Vineet Agarwal | A comprehensive study on geofencingbased task management | system: usability an... | Referred	OPEN SOURCE
L065	Publications	Journal Publication | ACCENT JOURNAL OF | ECONOMICS ECOLOGY & ENGINEERING Peer Reviewed | and Refereed ... 316 | 2025-26 | CSE | Mr. Vineet Agarwal | Deep Learning-Based Image Captioning: Integrating CNN-LSTM | Architectures with... | Referred	OPEN SOURCE
L066	Publications	Journal Publication | Referred Journal 317 | 2025-26 | CSE | Mr. Vineet Agarwal | Enhancing Human Pose Detection and Estimation Through | MediaPipe and CNN | Referred	OPEN SOURCE
L067	Publications	Journal Publication | Emerging Trends in Computer | Science and Its Application Proceedings of the In... 318 | 2025-26 | CSE | Mr. Vineet Agarwal | Feedo(spreading smiles):connecting consumers with surplus | food | Referred Journal Publication |	OPEN SOURCE
L068	Publications	International conference on | indian knowledge systems: a catalyst for sustaina... 319 | 2025-26 | CSE | Mr. Vineet Agarwal | Road accident analysis: a model for location based- aware | accident analysis p... | Referred	OPEN SOURCE
L069	Publications	Journal Publication | International conference on | indian knowledge systems: a catalyst for sustaina... 321 | 2025-26 | CSE | Ms. Amrita Mishra | Incon-sdg 2026: advamcing sustainable development goals | though innovation, te... | Referred	OPEN SOURCE
L070	Publications	Journal Publication | Yenepoya bengaluru off | campus karnataka and rsp condernece hub, coimbatore,ta... 322 | 2025-26 | CSE | Ms. Amrita Mishra | Signify Connect: A Review of AI-Based Mobile Assistive System | for Sign langua... | Referred	OPEN SOURCE
L071	Publications	Journal Publication | International Journal of | Scientific Research in Engineering and Management (I... 323 | 2025-26 | CSE | Ms. Jyoti Gaur | AI powered city safety | Referred Journal Publication | International Research Journal | of	OPEN SOURCE
L072	Publications	Modernization in Engineering Technology and... 324 | 2025-26 | CSE | Ms. Jyoti Gaur | Driver Vigilance Monitoring System | Referred Journal Publication | METSZET Journal, Volume | 10,	OPEN SOURCE
L073	Publications	Issue 5, May 2025, ISSN: 2061-2710 325 | 2025-26 | CSE | Ms. Neha Chauhan | A Comprehensive Study on Enhancing Disaster Management | with RescueNet: A Usab... | Referred Journal Publication | International Journal of | Scientific Research in Engineering and Management (I...	OPEN SOURCE
L074	Publications	326 | 2025-26 | CSE | Ms. Neha Chauhan | Crop Growth Analysis Across Indian States: The Role of | Temperature, Humidity,... | Referred	OPEN SOURCE

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L075	Publications	Journal Publication | 2024 International Conference | on Computational Intelligence and Communication... 327 | 2025-26 | CSE | Ms. Neha Kulshrestha | Cloud Native Evaluator Application : Based on | Referred Journal Publication | International	OPEN SOURCE
L076	Publications	Journal of | Scientific Research in Engineering and Management (I... 328 | 2025-26 | CSE | Ms. Neha Kulshrestha | Real-Time Expense Tracking and Financial Forecasting Through | AI and Machine L... |	OPEN SOURCE
L077	Publications	Referred Journal Publication | Referred Journal 329 | 2025-26 | CSE | Ms. Neha Kulshrestha | Revolutionizing Decentralized Transactions: The Power of Layer | 2 Blockchain S... | Referred	OPEN SOURCE
L078	Publications	Journal Publication | International Journal of | Scientific Research in Engineering and Management (I... 330 | 2025-26 | CSE | Ms. Neha Kulshrestha | Sustain Track - Interactive and Accessible Carbon Footprint | Analyzer | Referred Journal	OPEN SOURCE
L079	Publications	Publication | International Journal of | Scientific Research and Engineering Development / Vo... 331 | 2025-26 | CSE | Ms. Padmini Mishra | Helmet and License Plate Detection | Referred Journal Publication | Journal of Emerging |	OPEN SOURCE
L080	Publications	Technologies and Innovative Research (Journal of | Emerging... 332 | 2025-26 | CSE | Ms. Padmini Mishra | TedXStudy a Smart Classroom Management System | Referred Journal Publication | Referred	OPEN SOURCE
L081	Publications	Journal 333 | 2025-26 | CSE | Ms. Priyanka Gupta | Make mates- Social Media Web Application | Referred Journal Publication | Referred Journal	OPEN SOURCE
L082	Publications	334 | 2025-26 | CSE | Ms. Raziya Siddiqui | A Fuzzy TOPSIS based Analysis to Prioritize Enabling Factors | Factors for Stra... | Referred	OPEN SOURCE
L083	Publications	Journal Publication | Referred Journal 335 | 2025-26 | CSE | Ms. Richa Verma | CAD - Prediction Model Using Artificial Intelligence | Referred Journal Publication | International	OPEN SOURCE
L084	Publications	Journal of | Scientific Research in Engineering and Management (I... 336 | 2025-26 | CSE | Ms. Richa Verma | Evaluating the Effectiveness of Deep Learning Models in | Network Intrusion Det... | Referred	OPEN SOURCE
L085	Publications	Journal Publication | 2024 International Conference | on Cybernation and Computation (CYBERCOM) 337 | 2025-26 | CSE | Ms. Richa Verma | Sign Language Recognition System Sign Wave | Referred Journal Publication | Referred Journal	OPEN SOURCE
L086	Publications	338 | 2025-26 | CSE | Ms. Rudrendra Bahadur | Singh | A Generative Approach to Argument Structure Extraction | Referred Journal	OPEN SOURCE
L087	Publications	Publication | International Journal of | Scientific Research in Engineering and Management (I... 339 | 2025-26 | CSE | Ms. Rudrendra Bahadur | Singh | A Review of English Language by Argumentation Mining using | Machine Learning	OPEN SOURCE
L088	Publications	T... | Referred Journal Publication | P2.pdf uploaded paper | evidence / co-authors include BBDITM contributors 340 | 2025-26 | CSE | Ms. Rudrendra Bahadur | Singh | Bridging AI and Law: A Comprehensive NLP Platform for Legal | Document Processing | Referred Journal Publication | Journal of Emerging | Technologies and Innovative Research (Journal of | Emerging...	OPEN SOURCE
L089	Publications	341 | 2025-26 | CSE | Ms. Rudrendra Bahadur | Singh | Legal Natural Language Processing Platform | Referred Journal Publication | Journal	OPEN SOURCE
L090	Publications	of Emerging | Technologies and Innovative Research (Journal of | Emerging... 342 | 2025-26 | CSE | Ms. Rudrendra Bahadur | Singh | Pulmonary Disease Prediction by Using Machine Learning | Technique | Referred	OPEN SOURCE

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L091	Publications	Journal Publication | International Journal of | Scientific Research in Engineering and Management (I... 343 | 2025-26 | CSE | Ms. Rudrendra Bahadur | Singh | Transformer-Based Argumentation Mining in English Language: | BERT for	OPEN SOURCE
L092	Publications	Encoding... | Referred Journal Publication | Journal of Emerging | Technologies and Innovative Research (Journal of | Emerging... 347 | 2025-26 | CSE | Mr. Surya Vikram Singh | An Empirical Analysis of Multi-Objective Scheduling | Mechanisms for Scheduling Workflows in Cloud Environment | Conference Publication | 2026 International Conference on | Intelligent Systems in Engineering, Secured Systems and	OPEN SOURCE
L093	Publications	| Cybersecurity (ICISESSC 2026), IEEE; Conference: 09-10 | Apr 2026; Greater... 348 | 2025-26 | CSE | Dr. Anurag Tiwari | A Novel Approach for Multi-Class Fetal ECG Arrhythmia | Classification by ResNet-50 Combined with Transformer | Scopus Publication | International Journal of Computer | Information Systems and Industrial Management | Applications	OPEN SOURCE
L094	Publications	(IJCISIM) 349 | 2025-26 | CSE | Dr. Sangeeta Mishra | Fuzzy AHP based new questionnaire process for improving | judgements under ASD Framework	OPEN SOURCE
L095	Publications	| Referred Journal Publication | Communications in Computer | and Information Science (Springer) 355 | 2025-26 | CSE | Dr. Sangeeta Mishra; Dr. | Ashish Tiwari | A Comparative Review Of AI-Driven Nutrition Analysis, Barcode | Recognition, And Food Transparency Systems: Positioning | YumCheck In The Modern Food Computing Landscape | Referred Journal	OPEN SOURCE
L096	Publications	Publication | International Journal of | Scientific Research and Engineering Development, Vol. 9 |... 356 | 2025-26 | ECE | Mr. Dharmesh Kumar | Cyber-Resilient Frequency Control Design for Interlinked | Alternate Current Microgrid System |	OPEN SOURCE
L097	Publications	ESCI / Scopus Journal Publication | Electrica, Vol. 25, Article | 0002 (2025), published 26-Jun-2025 352 | 2025-26 | EE | Prof. Rafik Ahmad; Dr. | Apoorva Srivastava | Bridging renewable energy sources with non-isolated DC-DC | converters:	OPEN SOURCE
L098	Publications	challenges and innovations | SCI Journal Publication | Discover Electronics, | Vol. 2, Article 69 (2025), Springer Nature 353 | 2025-26 | EE | Prof. Rafik Ahmad; Dr. | Apoorva Srivastava | Enhancing voltage regulation of a zeta converter using PI and | PID controllers: a comparative study under input voltage and | load variation | SCI Journal Publication | Discover Electronics, | Vol. 2,	OPEN SOURCE
L099	Publications	Article 82 (2025), Springer Nature 354 | 2025-26 | EE | Dr. Apoorva Srivastava | Performance comparison of solar fed MPC and AI controller for | fast battery charging in electric	OPEN SOURCE
L100	Publications	vehicles | Journal Publication | Energy Storage and Conversion, Vol. 4 | No. 2, Article 4291 (2026) 25 | 2025-26 | IT | Dr. Usha Sharma | An Investigation on the Effect of Mango Seed and Pangamic | Oil-Based Cutting F... | SCI Journal	OPEN SOURCE
L101	Publications	Publication | Lubricants (Multidisciplinary Digital | Publishing Institute), Volume 13(8), 26 | 2025-26 | IT | Dr. Usha Sharma | Optimizing EDM of Gunmetal with Al2O3-Enhanced Dielectric: | Experimental Insig... | SCI Journal	OPEN SOURCE
L102	Publications	Publication | Materials (Multidisciplinary Digital | Publishing Institute) Volume 18(19) 344 | 2025-26 | IT | Mr. Ankit Singh | A Blockchain and ML-Based Architecture for Fraud Detection in | DeFi | Referred Journal Publication | International Journal of | Research Publication and Reviews (IJRPR), Paper ID 1...	OPEN SOURCE
L103	Publications	345 | 2025-26 | IT | Dr. Usha Sharma | Adaptive fault tolerance mechanisms for ensuring high | availability of digital twins in distributed edge	OPEN SOURCE

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L104	Publications	computing systems | SCI Journal Publication | Scientific Reports, Vol. 15, Article | 41676 (2025), Springer Nature 350 | 2025-26 | IT | Dr. Usha Sharma | An Investigation on the Effect of Mango Seed and Pongamia | Oil-Based Cutting Fluids on Surface	OPEN SOURCE
L105	Publications	Morphology During Turning | of AISI 304 Steel | SCI Journal Publication | Lubricants, Vol. 13, Issue 8, Article | 325 (2025), MDPI 351 | 2025-26 | IT | Dr. Usha Sharma | Optimizing EDM of Gunmetal with Al2O3-Enhanced Dielectric: | Experimental Insights and Machine	OPEN SOURCE
L106	Publications	Learning Models | SCI Journal Publication | Materials, Vol. 18, Issue 19, Article | 4578 (2025), MDPI 357 | 2025-26 | ME | Mr. Achman Mishra | Development and Parameter Optimization of Electrodes to | Enhance Mechanical Properties in Underwater Wet Direct | Current Welding of Fe 410 Steel | SCI Journal Publication | Journal of Materials Engineering | and Performance, Vol.	OPEN SOURCE
L107	Publications	35, Issue 12 10 | 2024-25 | AIML | Mr. Joy Roy | Three-dimensional solute transport in finite and curved porous | media with sur... | SCI Journal Publication	OPEN SOURCE
L108	Publications	| Groundwater for Sustainable | Development 72 | 2024-25 | AIML | Mr. Rafik Ahmad | GPS Integrated Landmine Detection Rover with Camera | Scopus Publication | International	OPEN SOURCE
L109	Publications	Conference on Signal | Processing and Advance Research in Computi... 73 | 2024-25 | AIML | Mr. Rafik Ahmad | IoT Based Continuous Hydration Monitoring System of Human | Body | Scopus Publication |	OPEN SOURCE
L110	Publications	International Conference on Signal | Processing and Advance Research in Computi... 71 | 2024-25 | ASH/HU | Mr. Shahab Ahmad | Accident Alert and Vehicle Theft Intimation System Using FSM | Modem | Scopus Publication |	OPEN SOURCE
L111	Publications	2024 International Conference on | Signal Processing and Advance Research in Co... 120 | 2024-25 | CE | Mr. Abhay Yadav | The recent progress in the advancement and efficiency of | recycled steel fibre... | Conference	OPEN SOURCE
L112	Publications	Publication | 255 | 2024-25 | CE | Dr. D.S. Ray | Study of Soil Properties of Canal: A Geotechnical Engineering | Study | Referred Journal Publication |	OPEN SOURCE
L113	Publications	International Journal for | Multidisciplinary Research (IJFMR), 8(1), 2026 256 | 2024-25 | CSE | Mr. Vinayak | SENSEI: Assistive AI agent with multimodal capabilities and | custom tool integ... | Referred Journal	OPEN SOURCE
L114	Publications	Publication | International Research Journal | of Modernization in Engineering Technology and... 257 | 2024-25 | CSE | Mr. Vineet Agarwal | Deep learning based image captioning -itegrating cnn lstm | Referred Journal Publication |	OPEN SOURCE
L115	Publications	International Research Journal | of Engineering and Technology (International R... 258 | 2024-25 | CSE | Mr. Vineet Agarwal | Referred Journal | Referred Journal Publication | Referred Journal	OPEN SOURCE
L116	Publications	259 | 2024-25 | CSE | Ms. Neha Chauhan | Adaption of best methodology by comparing different algorithm | to detect parki... | Referred	OPEN SOURCE
L117	Publications	Journal Publication | Referred Journal 260 | 2024-25 | CSE | Ms. Neha Kulshrestha | Castella: Voice-Enabled Podcast Services | Referred Journal Publication | International Journal of | Scientific Research in Engineering and Management (I...	OPEN SOURCE
L118	Publications	261 | 2024-25 | CSE | Ms. Padmini Mishra | InstaScan: A Smart Document and Image Scanning System | Referred Journal Publication |	OPEN SOURCE

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L119	Publications	International Research Journal | of Modernization in Engineering Technology and... 262 | 2024-25 | CSE | Ms. Rudrendra Bahadur | Singh | Serverless computing: principles & paradigms | Referred Journal Publication |	OPEN SOURCE
L120	Publications	International Journal of | Research and Analytical Reviews 263 | 2024-25 | DS | Dr. Neha Pandey | Live- in relationship: an unending challenge? | Referred Journal Publication | Knowledge Resonance,	OPEN SOURCE
L121	Publications	| Volume 13, No. 1, Jan - June, 2024. 264 | 2024-25 | DS | Dr. Neha Pandey | Socioemotional Intelligence : A Valuable collection of Material | from Indian K... | Referred Journal	OPEN SOURCE
L122	Publications	Publication | Mukt Shabd Journal, Volume | XIII, Issue III, March 2024 265 | 2024-25 | ECE | Dr. Rupali Agarwal | Hybrid Controlled Advanced Drone | Referred Journal Publication | International Journal of |	OPEN SOURCE
L123	Publications	Research and Analytical Reviews (IJRAR) 266 | 2024-25 | ECE | Mr. Amit Kumar Singh | Road Surface Analyser for Safety and Smoothness of Road | Referred Journal Publication |	OPEN SOURCE
L124	Publications	International Journal of | Research Publication and Reviews 267 | 2024-25 | ECE | Mr. Dharmesh Kumar | Cyber-Resilient Frequency Control Design for Interlinked | Alternate Current Mi... | Referred	OPEN SOURCE
L125	Publications	Journal Publication | Electrica, 25, 1-13, 2025 / | DOI: 10.5152/electrica.2025.25002 268 | 2024-25 | ECE | Mr. Diwakar Singh | Robotic Arm for Industrial Applications | Referred Journal Publication | International Journal of |	OPEN SOURCE
L126	Publications	Research Publication and Reviews 269 | 2024-25 | ECE | Mr. Kishan Kumar | System to Check the Healthiness of the Earthing System and | Alert Staff in Cas... | Referred	OPEN SOURCE
L127	Publications	Journal Publication | International Journal of | Scientific Research & Engineering Trends 270 | 2024-25 | ECE | Mr. Naveen Kumar | Cyclic oxidation of 304L and 316L stainless steel coated and | uncoated with Cr... | Referred	OPEN SOURCE
L128	Publications	Journal Publication | Materials Science-Poland, | 43(1), 103-114, 2025 / DOI: 10.2478/msp-2025-0010 271 | 2024-25 | ECE | Mr. Navneet Pandey | Smart Wearable for Mountaineers | Referred Journal Publication | International Journal of |	OPEN SOURCE
L129	Publications	Research Publication and Reviews 272 | 2024-25 | ECE | Mr. Pankaj Verma | Surveillance drone using esp32 | Referred Journal Publication | Journal of Emerging | Technologies	OPEN SOURCE
L130	Publications	and Innovative Research (Journal of | Emerging... 273 | 2024-25 | ECE | Ms. Keerti Mishra | Smart stretcher for monitoring mobile patients | Referred Journal Publication | International Journal	OPEN SOURCE
L131	Publications	of | Scientific Research & Engineering Trends 274 | 2024-25 | ECE | Ms. Ravi Shankar | Solar Based EV Charging Station With IoT Networking | Referred Journal Publication | International	OPEN SOURCE
L132	Publications	Research Journal | of Modernization in Engineering Technology and... 11 | 2024-25 | IT | Dr. Santosh Kumar Shukla | Exploring innovations in cardiac arrhythmia detection: | Evaluating models, per... | SCI Journal Publication | Systems and Soft Computing	OPEN SOURCE
L133	Publications	12 | 2024-25 | IT | Dr. Santosh Kumar Shukla | Improving Security In Wireless Mobile Communication Through | Machine Learning:... | SCI	OPEN SOURCE
L134	Publications	Journal Publication | Journal of Theoretical and Applied | Information Technology Volume 103. (11), 74 | 2024-25 | IT | Dr. Usha Sharma | Semiconductors Technologies and Its Application along with | Temperature Effects | Scopus Publication	OPEN SOURCE

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L135	Publications	| International Conference I3CEET-2024 83 | 2024-25 | IT | Ms. Nida Hasib | A Comparative Analysis on Appointment Booking System: A | review | UGC CARE Journal Publication |	OPEN SOURCE
L136	Publications	International Journal of | Scientific Research in Engineering and Management 121 | 2024-25 | IT | Dr. Santosh Kumar Shukla | A Toxic Comment Detection Model Using Deep Learning | Conference Publication |	OPEN SOURCE
L137	Publications	ICCSAI-2025 organized by Galgotia | University, Greater Noida 122 | 2024-25 | IT | Dr. Santosh Kumar Shukla | Combating Cyber abuse: A Toxic Comment Detection Model | Using Deep Learning |	OPEN SOURCE
L138	Publications	Conference Publication | International Conference on | Computer Science and Artificial Intelligence (ICC... 123 | 2024-25 | IT | Dr. Shailja Pandey | A Review on Deep Learning Approaches for Combined Fake | News Detection and Sen... |	OPEN SOURCE
L139	Publications	Conference Publication | ICCSAI-2025 organized by Galgotia | University, Greater Noida 124 | 2024-25 | IT | Dr. Usha Sharma | MedEase: A Healthcare Management System | Conference Publication | International Conference on |	OPEN SOURCE
L140	Publications	Multidisciplinary Research Siam Technology Colleg... 125 | 2024-25 | IT | Dr. Usha Sharma | Study of Track Obstacles detection system | Conference Publication | International Conference on |	OPEN SOURCE
L141	Publications	Computer Science and Artificial Intelligence (ICC... 126 | 2024-25 | IT | Ms. Dolley Srivastava | Predictive Maintenance for Industrial Equipment Using IoT | Conference Publication | ICCSAI-2025	OPEN SOURCE
L142	Publications	organized by Galgotia | University, Greater Noida 127 | 2024-25 | IT | Ms. Richa Sharma | Geolocation-Based Attendance Tracking System | Conference Publication | ICCSAI-2025 organized	OPEN SOURCE
L143	Publications	by Galgotia | University, Greater Noida 275 | 2024-25 | IT | Dr. Usha Sharma | Modelling of Fake Product Review Authentication system" | Volume 09 Issue:05 | Referred Journal	OPEN SOURCE
L144	Publications	Publication | International Journal of | Scientific Research In Engineering and Management 13 | 2024-25 | ME | Mr. Ankit Asthana | Development and Mechanical Properties Evaluation of | Environmentally Sustainab... | SCI Journal	OPEN SOURCE
L145	Publications	Publication | 62 | 2023-24 | AIML | Mr. Rafik Ahmad | Brain Tumor Detection Using Image Classifier | Scopus Publication | Lecture Notes in Electrical	OPEN SOURCE
L146	Publications	Engineering, | vol 1088. Springer, Singapore 63 | 2023-24 | AIML | Mr. Rafik Ahmad | Skin Lesion Segmentation Using Wavelet Transform on | MATLAB | Scopus Publication | Lecture	OPEN SOURCE
L147	Publications	Notes in Electrical Engineering, | vol 1088. Springer, Singapore 64 | 2023-24 | AIML | Ms. Apoorva Srivastava | Model Predictive Control of Grid-Connected Wind Energy | Conversion System Usin... | Scopus Publication | CRC Press Taylor and Francis (Book | Chapter)	OPEN SOURCE
L148	Publications	65 | 2023-24 | AIML | Ms. Apoorva Srivastava | Model Predictive Control of Multiple Renewable Energy Sources | in Hybrid DC Mi... | Scopus	OPEN SOURCE
L149	Publications	Publication | CRC Press Taylor and Francis (Book | Chapter) 86 | 2023-24 | AIML | Mr. Surya Vikram Singh | Anomaly Detection In Wireless Sensor Network | Conference Publication | Taylor and Francis	OPEN SOURCE

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L150	Publications	Group 235 | 2023-24 | ASH/HU | Mr. Vivek Narain | Air Compressed Engine: Design and Performance Analysis | Referred Journal Publication |	OPEN SOURCE
L151	Publications	International Research Journal | of Engineering and Technology / Volume 11 236 | 2023-24 | ASH/HU | Mr. Vivek Narain | Solar operated Hybrid Bicycle | Referred Journal Publication | International Research Journal | of	OPEN SOURCE
L152	Publications	Engineering and Technology / Volume 11 66 | 2023-24 | CE | Dr. D.S. Ray | Study and Design of Cement Concrete Lining of Canal | Scopus Publication | Journal of Harbin Engineering	OPEN SOURCE
L153	Publications	| University, ISSN:1006-7043, Vol-44 NO 10,Octobe... 237 | 2023-24 | CE | Mr. Aviral Tiwari | Design, Analysis and Estimation of Foot Bridge on NH-27 | Tiwariganj | Referred Journal Publication |	OPEN SOURCE
L154	Publications	International Journal of Novel | Research and Development (IJNRD) 238 | 2023-24 | CE | Mr. Gyanish | Modelling Plume Rise from an Industry by Using AERMOD: An | Air Quality Dispers... | Referred Journal	OPEN SOURCE
L155	Publications	Publication | International Journal of Novel | Research and Development (IJNRD) 239 | 2023-24 | CE | Mr. Prateek Verma | Cost Analysis and Comparison of RCC Retaining Wall with | Geogrid Retaining Wall | Referred	OPEN SOURCE
L156	Publications	Journal Publication | International Journal of | Creative Research Thoughts (IJCRT) 240 | 2023-24 | CE | Mr. Sonu Chauhan | Analysis of Sugarcane Bagasse Ash for the Improvement in the | Properties of Bl... | Referred	OPEN SOURCE
L157	Publications	Journal Publication | International Journal of | Creative Research Thoughts (IJCRT) 241 | 2023-24 | CE | Ms. Vaishnavi | Suggestive Method for Treatment of Waste Water Discharge | from Balrampur Sugar... | Referred Journal	OPEN SOURCE
L158	Publications	Publication | International Journal of Novel | Research and Development (IJNRD) 5 | 2023-24 | CSE | Mr. Gyanendra Kumar | Android App Threat Analysis Techniques: A Review | SCI Journal Publication | Taylor and Francis	OPEN SOURCE
L159	Publications	Group 6 | 2023-24 | CSE | Mr. Vineet Agarwal | 2 filled in first response | SCI Journal Publication | Referred Journal	OPEN SOURCE
L160	Publications	7 | 2023-24 | CSE | Mr. Vineet Agarwal | International conference on advances in emerging trends in | computer applicati... | SCI Journal	OPEN SOURCE
L161	Publications	Publication | International conference on | advances in emerging trends in computer applicati... 8 | 2023-24 | CSE | Ms. Padmini Mishra | A Review On Smart Health Diagnosis | SCI Journal Publication | Taylor and Francis Group	OPEN SOURCE
L162	Publications	9 | 2023-24 | CSE | Ms. Padmini Mishra | Advancements In Assistive Technologies For Web Accessibility: | A Systematic Re... | SCI Journal Publication | Taylor and Francis Group	OPEN SOURCE
L163	Publications	87 | 2023-24 | CSE | Dr. Anurag Tiwari | Exploring The Impact Of Integrated Technological Solutions On | Student Engagem... | Conference	OPEN SOURCE
L164	Publications	Publication | Taylor and Francis Group 88 | 2023-24 | CSE | Dr. Diwakar Yagyasen | An In-Depth Review Of AI/ML Techniques In | Emotion-Preserving Multilingual Vid... |	OPEN SOURCE
L165	Publications	Conference Publication | Taylor and Francis Group 89 | 2023-24 | CSE | Dr. Manuj Darbari | A Exhaustive Review On Advancements And Challenges In Low | Power Wireless Sens... |	OPEN SOURCE

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L166	Publications	Conference Publication | Taylor and Francis Group 90 | 2023-24 | CSE | Mr. Amit Kumar Sachan | Vision Based Lip Reading System Using Deep Learning | Conference Publication | Taylor and	OPEN SOURCE
L167	Publications	Francis Group 91 | 2023-24 | CSE | Mr. Ankit Khare | Advancements In Columburst Predictions: A Comprehensive | Review Of Tolls And T... | Conference	OPEN SOURCE
L168	Publications	Publication | Taylor and Francis Group 92 | 2023-24 | CSE | Mr. Anurag Shukla | Case Management And Hearing | Conference Publication | Taylor and Francis Group	OPEN SOURCE
L169	Publications	93 | 2023-24 | CSE | Mr. Anurag Shukla | Fake Social Media Profile Detection Using Machine Learning | Conference Publication | Taylor and	OPEN SOURCE
L170	Publications	Francis Group 94 | 2023-24 | CSE | Mr. Anurag Shukla | Optimizing Patient Outcomes Through Integrated Health | Analysis And Management... |	OPEN SOURCE
L171	Publications	Conference Publication | Taylor and Francis Group 95 | 2023-24 | CSE | Mr. Deepak Pant | Prompted Large Language Models as Chatbot Modules for Long | -Domain Conver... | Conference	OPEN SOURCE
L172	Publications	Publication | Taylor and Francis Group 96 | 2023-24 | CSE | Mr. Gyanendra Kumar | Mind Matters: Psychological Analysis Using Cbt Chatbot | Conference Publication | Taylor and	OPEN SOURCE
L173	Publications	Francis Group 97 | 2023-24 | CSE | Mr. Kamlesh Kumar | A Comprehensive Review On Multi-Disease Prediction Web | App: Quadradiag | Conference	OPEN SOURCE
L174	Publications	Publication | Taylor and Francis Group 98 | 2023-24 | CSE | Mr. Kamlesh Kumar | Comprehensive Examination Of System Surveillance Method | Employing Keystrokes ... |	OPEN SOURCE
L175	Publications	Conference Publication | Taylor and Francis Group 99 | 2023-24 | CSE | Mr. Rajeev Srivastava | Detection Of Phishing Attacks Using Machine Learning | Conference Publication | Taylor and	OPEN SOURCE
L176	Publications	Francis Group 100 | 2023-24 | CSE | Mr. Rajeev Srivastava | Digital Dwelling Hub:Revolutionizing Real Estate With Ar And | Smart Home Integ... |	OPEN SOURCE
L177	Publications	Conference Publication | Emerging Trends in Computer | Science and Its Application: Proceedings of the I... 101 | 2023-24 | CSE | Mr. Rudrendra Bahadur | Singh | Approach To Recognize Fake News | Conference Publication | Taylor and Francis Group	OPEN SOURCE
L178	Publications	102 | 2023-24 | CSE | Mr. Sandeep Kumar Mishra | A Comprehensive Review On Tomato Plant Disease Detection | Using Convolutional ... |	OPEN SOURCE
L179	Publications	Conference Publication | Taylor and Francis Group 103 | 2023-24 | CSE | Mr. Sandeep Kumar Mishra | Data Leakage Detection: A Security Framework for Sensitive | Information | Conference	OPEN SOURCE
L180	Publications	Publication | Taylor and Francis Group 104 | 2023-24 | CSE | Mr. Sandeep Kumar Mishra | Potato Leaf Disease Classification and Prediction Using | Convolutional Neural ... |	OPEN SOURCE
L181	Publications	Conference Publication | Taylor and Francis Group 105 | 2023-24 | CSE | Mr. Saurabh Jain | Fake Video Detection Using Machine Learning Techniques | Conference Publication | Taylor and	OPEN SOURCE

Link No.	Category	Institutional Record / Reference	Source
L182	Publications	Francis Group 106 | 2023-24 | CSE | Mr. Saurabh Kumar Jain | Agriculture: Soil Analysis For Suitable Crop And Fertilizer | Prediction | Conference	OPEN SOURCE
L183	Publications	Publication | Taylor and Francis Group 107 | 2023-24 | CSE | Mr. Saurabh Kumar Jain | Artificial Intelligence Genius: Integrated Intelligence Platform | Conference Publication |	OPEN SOURCE
L184	Publications	Taylor and Francis Group 108 | 2023-24 | CSE | Mr. Shekhar Srivastava | Blockchain Based E-Vault System For Legal Records | Conference Publication | Taylor and	OPEN SOURCE
L185	Publications	Francis Group 109 | 2023-24 | CSE | Mr. Shekhar Srivastava | Predicting Bitcoin Prices: A Machine Learning Approach For | Accurate Forecasting |	OPEN SOURCE
L186	Publications	Conference Publication | Taylor and Francis Group 110 | 2023-24 | CSE | Mr. Vinayak | A Review on Malignancy Detection in Lung Nodules Using | Convolutional Neural N... | Conference	OPEN SOURCE
L187	Publications	Publication | Taylor and Francis Group 111 | 2023-24 | CSE | Mr. Vinayak | Early Stage Lung Cancer Detection Using Resnet | Conference Publication | Taylor and Francis Group	OPEN SOURCE
L188	Publications	112 | 2023-24 | CSE | Mr. Vinayak | MobileNet-V3: A Comprehensive Survey of Object Detection | Algorithms Using Con... | Conference	OPEN SOURCE
L189	Publications	Publication | Taylor and Francis Group 113 | 2023-24 | CSE | Mrs. Neha Chauhan | Crop Prediction System Using Machine Learning | Conference Publication | Taylor and Francis	OPEN SOURCE
L190	Publications	Group 114 | 2023-24 | CSE | Mrs. Subha Mishra | Collegego : Leveraging Alumni Data For Improved College | Placements | Conference Publication |	OPEN SOURCE
L191	Publications	Taylor and Francis Group 115 | 2023-24 | CSE | Ms. Madhulika Sharma | Enhancing Electoral Processes: The Role Of "Smart Voting | Systems" | Conference	OPEN SOURCE
L192	Publications	Publication | Taylor and Francis Group 116 | 2023-24 | CSE | Ms. Neha Chauhan | Ideas To Boost Fitness Activities And Assist In Keeping Fit | Conference Publication | Taylor and Francis Group	OPEN SOURCE
L193	Publications	117 | 2023-24 | CSE | Ms. Rudrendra Bahadur | Singh | A Comprehensive Review Of Innovations In Stray Cattle | Detection | Conference	OPEN SOURCE
L194	Publications	Publication | Taylor and Francis Group 118 | 2023-24 | CSE | Ms. Rudrendra Bahadur | Singh | Decision-Making Using Argumentation Mining Framework On | English Text |	OPEN SOURCE
L195	Publications	Conference Publication | Taylor and Francis Group 242 | 2023-24 | CSE | Mr. Amit Kumar Sachan | Skin disease detection using image processing | Referred Journal Publication | International	OPEN SOURCE
L196	Publications	Research Journal | of Modernization in Engineering Technology and... 320 | 2023-24 | CSE | Mr. Vineet Agarwal | Reform Dentistry: A Web-Based platform revolutionizing | dentistry reform denti... | Referred	OPEN SOURCE
L197	Publications	Journal Publication | Emerging Trends in Computer | Science and Its Application Proceedings of the In... 119 | 2023-24 | ECE | Mr. Kishan Kumar | Marine Current Energy coupled with a VSC-HVDC link | Conference Publication | International	OPEN SOURCE

Link No.	Category	Institutional Record / Reference	Source
L198	Publications	Conference on | Cognitive Computing in Engineering, Communication... 243 | 2023-24 | ECE | Dr. Abhimanyu Kumar | Yadav | Solar Powered Object Detector With Analytical Thinking For | Warfield Spying |	OPEN SOURCE
L199	Publications	Referred Journal Publication | Journal of Emerging | Technologies and Innovative Research (Journal of | Emerging... 244 | 2023-24 | ECE | Dr. Shailendra Tahilyani | Seamless Health Monitoring and Emergency Response Smart | watch | Referred Journal	OPEN SOURCE
L200	Publications	Publication | Journal of Emerging | Technologies and Innovative Research 245 | 2023-24 | ECE | Mr. Amit Kumar Singh | Library Silence Breaking Alarm System | Referred Journal Publication | Journal of Emerging |	OPEN SOURCE
L201	Publications	Technologies and Innovative Research (Journal of | Emerging... 246 | 2023-24 | ECE | Mr. Dharmesh Kumar | Frequency Control of Interlinked Microgrid System Using | Fractional Order Cont... | Referred	OPEN SOURCE
L202	Publications	Journal Publication | Electrica, 24(2), 532-541, | 2024 / DOI: 10.5152/electrica.2024.23199 247 | 2023-24 | ECE | Mr. Diwakar Singh | IoT Based Ration Vending Machine | Referred Journal Publication | Journal of Emerging |	OPEN SOURCE
L203	Publications	Technologies and Innovative Research (Journal of | Emerging... 248 | 2023-24 | ECE | Mr. Navneet Kumar Pandey | Arduino Based Sewage Blockage Detector | Referred Journal Publication | Journal of	OPEN SOURCE
L204	Publications	Emerging | Technologies and Innovative Research (Journal of | Emerging... 249 | 2023-24 | ECE | Mr. Rajeev Singh | Vehicle's Exhaust Smoke And Noise Detection | Referred Journal Publication | Tijer - International	OPEN SOURCE
L205	Publications	Research | Journal 250 | 2023-24 | ECE | Ms. Keerti Mishra | Waste Segregation mechanism in Smart Dustbin | Referred Journal Publication | Tijer - International	OPEN SOURCE
L206	Publications	Research | Journal 67 | 2023-24 | IT | Prof. (Dr.) Manuj Darbari | Advanced Computational Victimology: Development of | Sustainable Framework for ... | Scopus	OPEN SOURCE
L207	Publications	Publication | Library Progress International, Volume | 44, No.3, 2024 68 | 2023-24 | IT | Prof. (Dr.) Manuj Darbari | Identification of Sustainability Issues in Current Legal System | Using Quality... | Scopus Publication | Library Progress International, Volume | 44, No.3, 2024	OPEN SOURCE
L208	Publications	69 | 2023-24 | IT | Dr. Santosh Kumar Shukla | A Deep Learning and Powerful Computational Framework for | Brain Cancer MRI Ima... |	OPEN SOURCE
L209	Publications	Scopus Publication | Journal of The Institution of Engineers | (India) Series B 105(6)(Springer) 251 | 2023-24 | IT | Mr. Ankit Singh | Influences of Artificial intelligence on the evolution of coding | languages | Referred Journal Publication |	OPEN SOURCE
L210	Publications	International Research Journal | of Engineering and Technology (International R... 70 | 2023-24 | ME | Mr. Ankit Asthana | Design And Fabrication of Vortex Cooler with High Pressure | Stream For Cooling... | Scopus	OPEN SOURCE
L211	Publications	Publication | Challenges & Opportunities for | Innovation in India/ Volume 7 252 | 2023-24 | ME | Dr. Neha Gupta | Assessment of a LM Procedure using the ISM & AHP models in | Indian MSMEs | Referred Journal	OPEN SOURCE
L212	Publications	Publication | The 2nd International | Conference on “Recent Advances in Materials, Manufactur... 253 | 2023-24 | ME | Dr. Neha Gupta | Lean Manufacturing Research Gaps: A Comprehensive Review | Of The Literature | Referred Journal	OPEN SOURCE

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L213	Publications	Publication | International Conference on | Intelligence In Manufacturing, Energy & Design 20... 254 | 2023-24 | ME | Mr. Ankit Asthana | Analysis of Mechanical Properties of Coir/Portland Pozzolana | Reinforced Polym... | Referred	OPEN SOURCE
L214	Publications	Journal Publication | International Journal of | Advanced and Applied Sciences, Volume 1, No. 2, pp. ... 77 | 2023-24 | To be | Faculty Name to be | confirmed | Application of Multidimensional Analytics to Address the Current | Gaps in the ... | Web	OPEN SOURCE
L215	Publications	of Science Publication | Cahiers Magellanes -NS, Vol 6, | No. 2, 2024 1 | 2022-23 | AIML | Ms. Apoorva Srivastava | Intelligent Control of DC Microgrid Involving Multiple | Renewables for Fast Ch... | SCI Journal	OPEN SOURCE
L216	Publications	Publication | Electrical power components and | systems/0(0) 27 | 2022-23 | AIML | Ms. Apoorva Srivastava | Artificial Intelligence Based Fast DC Charging Control of Electric | Vehicles i... | Scopus	OPEN SOURCE
L217	Publications	Publication | International Journal on Energy | Conversion/12 134 | 2022-23 | AIML | Mr. Ramesh Vaish | Artificial Intelligence Based Music Tunesmith | Referred Journal Publication | International Journal	OPEN SOURCE
L218	Publications	of | Innovative Research in Engineering (IJIRE) 135 | 2022-23 | AIML | Mr. Ramesh Vaish | Fake review detection system | Referred Journal Publication | International Journal of | Innovative	OPEN SOURCE
L219	Publications	Research in Engineering (IJIRE) 80 | 2022-23 | ASH/HU | Ms. Poonam | Beyond materialism:Spiritual Knowledge from the Srimad | Bhagavad Gita to Impro... | UGC CARE	OPEN SOURCE
L220	Publications	Journal Publication | Mukt Shabd Journal/ | Volume XIII 128 | 2022-23 | ASH/HU | Dr. Anjali Awasthi | Artificial Intelligence-Driven Sentiment Analyzer | Referred Journal Publication | International	OPEN SOURCE
L221	Publications	Journal of | Scientific Research in Engineering and Management (I... 129 | 2022-23 | ASH/HU | Dr. Anjali Awasthi | Facial Emotion Recognition | Referred Journal Publication | International Journal for | Research	OPEN SOURCE
L222	Publications	in Applied Science & Engineering Technolog... 130 | 2022-23 | ASH/HU | Mr. Vivek Narain | Fabrication of Pneumatic Jack | Referred Journal Publication | International Journal of | Scientific Research in Engineering and Management (I...	OPEN SOURCE
L223	Publications	131 | 2022-23 | ASH/HU | Mr. Vivek Narain | Portable wood Lathe Machine | Referred Journal Publication | International Journal of | Scientific	OPEN SOURCE
L224	Publications	Research in Engineering and Management (I... 132 | 2022-23 | ASH/HU | Ms. Poonam | Value Education Ensures Happiness, Prosperity and Peace in | Human Life | Referred Journal	OPEN SOURCE
L225	Publications	Publication | International Journal of Novel | Research and Development (IJNRD), Volume 7, Is... 133 | 2022-23 | ASH/HU | Ms. Poonam | Value Education: Foundations of Human Values and Ethics | Referred Journal Publication |	OPEN SOURCE
L226	Publications	International Journal of Novel | Research and Development (IJNRD) 28 | 2022-23 | CE | Dr. D.S. Ray | Evaluation of dynamic behavior of tire on concrete pavement: A | case study of ... | Scopus Publication |	OPEN SOURCE
L227	Publications	Mathematical Statistician and | Engineering Application ”ISSN:2094-0343,2326,Pa... 29 | 2022-23 | CE | Dr. D.S. Ray | Minimise seepage loss through canal slope and bed by reducing | permeability of... | Scopus Publication |	OPEN SOURCE
L228	Publications	The Ciencia and Engenharia-Science | and Engineering Journal, ISSN:0103-944X, V... 30 | 2022-23 | CE | Dr. D.S. Ray | Minimize Seepage Loss Through Canal Slope and Bed by | Reducing Permeability of... | Scopus Publication	OPEN SOURCE

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L229	Publications	| The Ciência & Engenharia - Science & | Engineering Journal, Volume 10 Issue 1, ... 31 | 2022-23 | CE | Dr. D.S. Ray | Study of Textural Behaviour of Concrete Pavement: A Case | Study of Yamuna Expr... | Scopus Publication	OPEN SOURCE
L230	Publications	| International Journal of Civil | Structural,Environmental and infrastructure en... 32 | 2022-23 | CE | Dr. D.S. Ray | Study of tire behavior on concrete pavement and bituminous | Pavement: A case s... | Scopus Publication |	OPEN SOURCE
L231	Publications	Annals of Forest Research | 65(1)3479-3490,2022,ISSN:18448135:2065:2445 136 | 2022-23 | CE | Dr. D.S. Ray | Fire & Flood Induced Disaster Mitigation - All India Workshop | paper/proceedings | Referred Journal	OPEN SOURCE
L232	Publications	Publication | Institution of Engineers (India), | Uttar Pradesh State Centre, Lucknow 137 | 2022-23 | CE | Dr. Supriya Phurailatpam | Design, Analysis and Estimation of Foot Bridge on NH-27 | Tiwariganj | Referred Journal	OPEN SOURCE
L233	Publications	Publication | International Journal of Novel | Research and Development (IJNRD), May 2023 138 | 2022-23 | CE | Dr. Supriya Phurailatpam | Modelling Plume Rise from an Industry by Using AERMOD: An | Air Quality Dispers... |	OPEN SOURCE
L234	Publications	Referred Journal Publication | International Journal of Novel | Research and Development (IJNRD), May 2023 139 | 2022-23 | CE | Mr. Ashish Verma | Review Paper on Planning, Design and Estimation of G+3 | Building in Uttardhouna | Referred	OPEN SOURCE
L235	Publications	Journal Publication | International Journal of | Creative Research Thoughts (IJCRT), May 2023 140 | 2022-23 | CE | Mr. Ashwani Kumar Pandey Comparative analysis of T-Beam along with deck slab by | Courbon's method and S... |	OPEN SOURCE
L236	Publications	Referred Journal Publication | Materials Today: Proceedings, | Volume 56 Part 4, 2022 141 | 2022-23 | CE | Mr. Mohit Choubey | Analysis of Sugarcane Bagasse Ash for the Improvement in the | Properties of Bl... | Referred	OPEN SOURCE
L237	Publications	Journal Publication | International Journal of | Creative Research Thoughts (IJCRT), April 2023 142 | 2022-23 | CE | Mr. Navneet Singh Yadav | Cost Analysis and Comparison of RCC Retaining Wall with | Geogrid Retaining Wall | Referred Journal Publication | International Journal of | Creative Research Thoughts (IJCRT), April 2023	OPEN SOURCE
L238	Publications	143 | 2022-23 | CE | Ms. Shruti Singh Bisen | Suggestive Method for Treatment of Waste Water Discharge | from Balrampur Sugar... |	OPEN SOURCE
L239	Publications	Referred Journal Publication | International Journal of Novel | Research and Development (IJNRD), May 2023 33 | 2022-23 | CSE | Dr. Anurag Tiwari | A Hybrid Feature Selection Method Using an Improved Binary | Butterfly Optimiza... | Scopus	OPEN SOURCE
L240	Publications	Publication | IEEE Access 34 | 2022-23 | CSE | Dr. Anurag Tiwari | A Multiclass EEG Signal Classification Model Using Channel | Interaction Maximi... | Scopus	OPEN SOURCE
L241	Publications	Publication | Lecture Notes in Computer Science | (including subseries Lecture Notes in Artif... 35 | 2022-23 | CSE | Dr. Anurag Tiwari | A hybrid feature selection approach based on information theory | and dynamic b... | Scopus	OPEN SOURCE
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L244	Publications	Publication | Multimedia Tools and Applications 38 | 2022-23 | CSE | Dr. Anurag Tiwari | Automatic channel selection using multiobjective X-shaped | binary butterfly al... | Scopus Publication	OPEN SOURCE
L245	Publications	| Expert Systems with Applications 39 | 2022-23 | CSE | Dr. Anurag Tiwari | Higher-Order Dynamic Mode Decomposition and Multichannel | Singular Spectrum De... | Scopus	OPEN SOURCE
L246	Publications	Publication | 2022 International Conference for | Advancement in Technology, ICONAT 2022 40 | 2022-23 | CSE | Dr. Anurag Tiwari | Hybrid Lawyer Recommendation System Based on AGE-MOEA | Scopus Publication | IEEE	OPEN SOURCE
L247	Publications	International Conference on | Distributed Computing and Electrical Circuit... 41 | 2022-23 | CSE | Dr. Anurag Tiwari | Intelligent Traffic Controller: A Smart Traffic Management | System | Scopus Publication |	OPEN SOURCE
L248	Publications	International Journal of Information | Technology (Singapore), 42 | 2022-23 | CSE | Dr. Anurag Tiwari | Wilson's disease classification using higher-order Gabor tensors | and various ... | Scopus Publication	OPEN SOURCE
L249	Publications	| Multimedia Tools and Applications 43 | 2022-23 | CSE | Dr. Diwakar Yagyasen | IC Design: An Approach of Study in Bio-Medical and mHealth | Care Applications | Scopus	OPEN SOURCE
L250	Publications	Publication | Advanced Research in Electronic | Devices for Biomedical and mHealth 44 | 2022-23 | CSE | Dr. Diwakar Yagyasen | Methods of Implementation in an Electric Vehicle Conversion | and Vehicle Contr... | Scopus	OPEN SOURCE
L251	Publications	Publication | Evergreen 45 | 2022-23 | CSE | Dr. Diwakar Yagyasen | Predicting Resilience of Blood Groups Against COVID-19 Delta | Variant Using Ma... | Scopus	OPEN SOURCE
L252	Publications	Publication | Advanced Research in Electronic | Devices for Biomedical and mHealth 46 | 2022-23 | CSE | Dr. Manuj Darbari | Analysis of Ambient Air Quality by Exploring LoRaWAN based | Connectivity in Fo... | Scopus Publication | Proceedings of 3rd International | Conference on Intelligent Engineering and Ma...	OPEN SOURCE
L253	Publications	47 | 2022-23 | CSE | Dr. Manuj Darbari | Application of Activity Theory in Technology Law | Scopus Publication | Economics of Cyber law and	OPEN SOURCE
L254	Publications	Cyber | Security", Springer Nature Series -2022 48 | 2022-23 | CSE | Dr. Manuj Darbari | Fog Computing Paradigm with Internet of Things to Solve | Challenges of Cloud w... | Scopus	OPEN SOURCE
L255	Publications	Publication | Communications in Computer and | Information Science, 49 | 2022-23 | CSE | Dr. Manuj Darbari | The Challenges of Enforcing Cybercrime Laws in the Age of | E-Governance | Scopus Publication |	OPEN SOURCE
L256	Publications	International Conference on Advances | in Emerging Trends in Computer Applicati... 84 | 2022-23 | CSE | Mr. Vineet Agarwal | Artificial intelligence based Data Pruning using Regression for | Smart Apriori... | Conference	OPEN SOURCE
L257	Publications	Publication | International Journal of Research | and Development in Applied Science and Engi... 144 | 2022-23 | CSE | Dr. Anurag Tiwari | A Research on flight fare prediction using ML algorithm random | forest | Referred Journal	OPEN SOURCE
L258	Publications	Publication | 2023 Sixth International | Conference on Computational Intelligence and Communi... 145 | 2022-23 | CSE | Dr. Anurag Tiwari | A stochastic approach to detect malicious traffic in network | Referred Journal Publication |	OPEN SOURCE

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L259	Publications	Publication / conference | acceptance status awaited 146 | 2022-23 | CSE | Dr. Anurag Tiwari | Hand Gesture Controlled Movable Pick and Place Robot | Referred Journal Publication |	OPEN SOURCE
L260	Publications	International Conference on | Data Science and Applications (ICDSA 2023) 147 | 2022-23 | CSE | Dr. Diwakar Yagyasen | Drowsiness detection system using machine learning | Referred Journal Publication |	OPEN SOURCE
L261	Publications	International Journal of | Scientific Development and Research 148 | 2022-23 | CSE | Dr. Diwakar Yagyasen | Recent Advancements in Customer Data Analytics: A | Comprehensive Survey of Tec... |	OPEN SOURCE
L262	Publications	Referred Journal Publication | International conference on | contemporary engineering and technology 149 | 2022-23 | CSE | Dr. Manuj Darbari | Byte Academy - coder hub | Referred Journal Publication | International Journal for | Research in	OPEN SOURCE
L263	Publications	Applied Science & Engineering Technolog... 150 | 2022-23 | CSE | Dr. Manuj Darbari | Measuring the effects of TQM and TPM implementation on the | performance of the... | Referred	OPEN SOURCE
L264	Publications	Journal Publication | International Journal of Quality | Engineering and Technology, 2023, 9(4), pp. ... 151 | 2022-23 | CSE | Dr. Manuj Darbari | Real time Sign Language Detection system with voice over | Referred Journal Publication |	OPEN SOURCE
L265	Publications	International Journal of | Research and Analytical Reviews (IJRAR) 152 | 2022-23 | CSE | Dr. Ram Bhushan | Creating intuitive teaching methods for advanced mathematics | education: origi... | Referred	OPEN SOURCE
L266	Publications	Journal Publication | International Conference on | Neural Information Processing, 153 | 2022-23 | CSE | Mr. Amit Kumar Sachan | Skin Diseases Detection using image processing | Referred Journal Publication | International	OPEN SOURCE
L267	Publications	Research Journal | of Modernization in Engineering Technology and... 154 | 2022-23 | CSE | Mr. Amit Kumar Sachan | Stock Prediction Using Financial News and Natural Language | Understanding | Referred Journal Publication | International Journal of | Research and Analytical Reviews (IJRAR)	OPEN SOURCE
L268	Publications	155 | 2022-23 | CSE | Mr. Anil Kumar Pandey | Artificial Intelligence Based Recruitment Tool | Referred Journal Publication | International	OPEN SOURCE
L269	Publications	Journal for | Research in Applied Science & Engineering Technolog... 156 | 2022-23 | CSE | Mr. Anil Kumar Pandey | Augmented Reality Quiz using OpenCV and Gesture | Recognition | Referred Journal	OPEN SOURCE
L270	Publications	Publication | International Journal of novel | research and development (ijnrd) 157 | 2022-23 | CSE | Mr. Anil Kumar Pandey | Gesture Recognition (Sign Language Prediction) | Referred Journal Publication | International	OPEN SOURCE
L271	Publications	Research Journal | of Modernization in Engineering Technology and... 158 | 2022-23 | CSE | Mr. Ankit Khare | Abhidan: A Digital Knowledge and Language Processing | System | Referred Journal Publication |	OPEN SOURCE
L272	Publications	International Research Journal | of Modernization in Engineering Technology & S... 159 | 2022-23 | CSE | Mr. Ankit Khare | Student live behaviour monitoring during virtual classes using AI | Referred Journal Publication |	OPEN SOURCE
L273	Publications	International Journal of | scientific research in engineering and management. 160 | 2022-23 | CSE | Mr. Ankur Srivastava | Flight Fare Prediction using Random Forest Regression | Referred Journal Publication |	OPEN SOURCE

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L274	Publications	International Journal of | Scientific Research in Engineering and Management (I... 161 | 2022-23 | CSE | Mr. Ankur Srivastava | Zero-Knowledge OAuth Authentication Framework | Referred Journal Publication | International	OPEN SOURCE
L275	Publications	Journal of | Research and Analytical Reviews (IJRAR) 162 | 2022-23 | CSE | Mr. Anurag Shukla | Speech recognition security system | Referred Journal Publication | International Journal of |	OPEN SOURCE
L276	Publications	Research and Analytical Reviews (IJRAR) 163 | 2022-23 | CSE | Mr. Anurag Shukla | Touchless Security: A Contactless Authentication and | Surveillance System | Referred Journal	OPEN SOURCE
L277	Publications	Publication | International Research Journal | of Modernization in Engineering Technology and... 164 | 2022-23 | CSE | Mr. Gyanendra Kumar | Music Genre Classification and recommendation system | Referred Journal Publication |	OPEN SOURCE
L278	Publications	International Research Journal | of Modernization in Engineering Technology and... 165 | 2022-23 | CSE | Mr. Kamlesh Kumar | Analysis on HealthyMe Fitness Application | Referred Journal Publication | International Research	OPEN SOURCE
L279	Publications	Journal | of Modernization in Engineering Technology and... 166 | 2022-23 | CSE | Mr. Kamlesh Kumar | Auto-Blogger: An Automated Blogging and Content Generation | System | Referred Journal	OPEN SOURCE
L280	Publications	Publication | International Journal of | Scientific Research in Engineering and Management 167 | 2022-23 | CSE | Mr. Rudrendra Bahadur | Singh | Blockchain Enabled KYC Solution | Referred Journal Publication | International	OPEN SOURCE
L281	Publications	Journal of | Research and Analytical Reviews (IJRAR) 168 | 2022-23 | CSE | Mr. Rudrendra Bahadur | Singh | Diabetes mellitus prediction using machine learning | Referred Journal Publication |	OPEN SOURCE
L282	Publications	International Journal for | Research in Applied Science & Engineering Technolog... 169 | 2022-23 | CSE | Mr. Rudrendra Bahadur | Singh | Serverless Computing and Infrastructure as Code | Referred Journal Publication | International Journal for | Research in Applied Science & Engineering Technolog...	OPEN SOURCE
L283	Publications	170 | 2022-23 | CSE | Mr. Sandeep Kumar Mishra | Chili Leaf Disease Prediction using CNN | Referred Journal Publication | International	OPEN SOURCE
L284	Publications	Journal for | Research in Applied Science & Engineering Technolog... 171 | 2022-23 | CSE | Mr. Sandeep Kumar Mishra | Research paper on Detection of fake news using naive bayes | and passive agress... |	OPEN SOURCE
L285	Publications	Referred Journal Publication | International research journal | of modernisation of technology and science 172 | 2022-23 | CSE | Mr. Satish Singh Verma | Twitter data radicalization using sentiment analysis techniques | Referred Journal Publication	OPEN SOURCE
L286	Publications	| International Journal of | research publications and reviews 173 | 2022-23 | CSE | Mr. Saurabh Kumar Jain | Methodology Analysis for web application development using | MERN | Referred Journal	OPEN SOURCE
L287	Publications	Publication | International Journal of | Research and Analytical Reviews (IJRAR) 174 | 2022-23 | CSE | Mr. Saurabh Kumar Jain | Vehicle owner information using number plate detection | Referred Journal Publication |	OPEN SOURCE
L288	Publications	International Journal of | Research and Analytical Reviews (IJRAR) 175 | 2022-23 | CSE | Mr. Shashank Singh | Medshop: An Online Pharmacy Application Using Salesforce | Referred Journal Publication |	OPEN SOURCE

Link No.	Category	Institutional Record / Reference	Source
L289	Publications	International Journal of Novel | Research and Development (IJNRD) 176 | 2022-23 | CSE | Mr. Shashank Singh | Segmentation of Microscopy images using Multi-Scale Retinex | with Chromacity P... | Referred	OPEN SOURCE
L290	Publications	Journal Publication | Journal of Artificial Intelligence | and Capsule Networks 177 | 2022-23 | CSE | Mr. Shekhar Srivastava | Specialized Telemedicine (STEM): A Digital Healthcare | Consultation System | Referred	OPEN SOURCE
L291	Publications	Journal Publication | International Research Journal | of Modernization in Engineering Technology and... 178 | 2022-23 | CSE | Mr. Shivam Dixit | CliniNet: An Online Portal for all Healthcare Services | Referred Journal Publication | International	OPEN SOURCE
L292	Publications	Journal for | Research in Applied Science & Engineering Technolog... 179 | 2022-23 | CSE | Mr. Shivam Dixit | Management of teaching and learning resources application | Referred Journal Publication |	OPEN SOURCE
L293	Publications	International Journal for | Research in Applied Science & Engineering Technolog... 180 | 2022-23 | CSE | Mr. Vinayak | Predicting Real Estate Price Using Linear Regression | Referred Journal Publication | International	OPEN SOURCE
L294	Publications	Journal of | Innovative Research in Engineering 181 | 2022-23 | CSE | Mr. Vinayak | Prediction of Malignancy in lung nodule at early stage | Referred Journal Publication | International	OPEN SOURCE
L295	Publications	Journal of | Research and Analytical Reviews 182 | 2022-23 | CSE | Mr. Vinayak | Web Traffic Analytical Application | Referred Journal Publication | International Journal of | Scientific	OPEN SOURCE
L296	Publications	Research in Engineering and Management 183 | 2022-23 | CSE | Mr. Vineet Agarwal | An Approach to Predict House Price Using Machine Learning | Referred Journal Publication |	OPEN SOURCE
L297	Publications	International Journal of | Research Publication and 4Reviews 184 | 2022-23 | CSE | Mr. Vineet Agarwal | Fruit Quality Inspection and selling system using Artificial Neural | network A... | Referred Journal Publication | International Research Journal | of Modernization in Engineering Technology and...	OPEN SOURCE
L298	Publications	185 | 2022-23 | CSE | Mr. Vineet Agarwal | Fruit quality inspection and selling system | Referred Journal Publication | International Research	OPEN SOURCE
L299	Publications	Journal | of Modernization in Engineering Technology and... 186 | 2022-23 | CSE | Mrs. Shubha Mishra | Diabetes Prediction by Classification Using Machine Learning | and Deep Learnin... | Referred	OPEN SOURCE
L300	Publications	Journal Publication | International Journal of Novel | Research and Development (IJNRD) 187 | 2022-23 | CSE | Mrs. Smiley Gandhi | Multiple disease detection using machine learning | Referred Journal Publication | International	OPEN SOURCE
L301	Publications	Journal of | Scientific Research in Engineering and Management (I... 188 | 2022-23 | CSE | Ms. Anika Bisht | A web based system for mood detection and personalized | recommendation support... | Referred	OPEN SOURCE
L302	Publications	Journal Publication | International Research Journal | of Modernization in Engineering Technology and... 189 | 2022-23 | CSE | Ms. Anika Bisht | Electronic Procurement Platform: A Web-Based E-Procurement | System | Referred Journal	OPEN SOURCE
L303	Publications	Publication | International Research Journal | of Modernization in Engineering Technology and... 190 | 2022-23 | CSE | Ms. Anika Bisht | Intrusion Detection System for IoT Networks: A Random Forest | Model Approach | Referred Journal	OPEN SOURCE

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L304	Publications	Publication | International Journal of | research and analytical reviews 191 | 2022-23 | CSE | Ms. Dipti Ranjan | A comprehensive review of next-gen cloud security: everaging | big data and adv... | Referred Journal	OPEN SOURCE
L305	Publications	Publication | International Research Journal | of Engineering and TechnologyS volume 6 issue ... 192 | 2022-23 | CSE | Ms. Dipti Ranjan | Advancements In Brain Tumor Detection: A Comprehensive | Review Of Image Segmen... | Referred	OPEN SOURCE
L306	Publications	Journal Publication | International Journal of | Creative Research Thoughts volume 12 issue 6 193 | 2022-23 | CSE | Ms. Dipti Ranjan | Asessing the effectiveness and performance.of an integrated | web services fram... | Referred	OPEN SOURCE
L307	Publications	Journal Publication | International Research Journal | of Engineering and Technology VOLUME 11 ISSUES... 194 | 2022-23 | CSE | Ms. Dipti Ranjan | Continuous monitoring and tracing of objects in real-time for | detection | Referred Journal Publication	OPEN SOURCE
L308	Publications	| International Research Journal | of Engineering and Technology VOLUME 11 ISSUES... 195 | 2022-23 | CSE | Ms. Dipti Ranjan | Facilitating automated data transference via soa paradigms for | seamless integ... | Referred Journal	OPEN SOURCE
L309	Publications	Publication | International Research Journal | of Engineering and Technology VOLUME 11 ISSUES... 196 | 2022-23 | CSE | Ms. Dipti Ranjan | Future of Artificial intelligence and machine learning in | automotive industry | Referred Journal	OPEN SOURCE
L310	Publications	Publication | International Research Journal | of Engineering and Technology VOLUME 11 ISSUES... 197 | 2022-23 | CSE | Ms. Dipti Ranjan | Influence of artificial intelligence on the evolution of coding | language | Referred Journal Publication |	OPEN SOURCE
L311	Publications	International Research Journal | of Engineering and Technology VOLUME 11 ISSUES... 198 | 2022-23 | CSE | Ms. Madhulika Sharma | Image Caption Genrator Using VGG-16 | Referred Journal Publication | International Research	OPEN SOURCE
L312	Publications	Journal | of Modernization in Engineering Technology and... 199 | 2022-23 | CSE | Ms. Neha Chauhan | Adaption of Best Methodology by Comparing Different Algorithm | to Detect Parki... | Referred Journal Publication | Referred Journal	OPEN SOURCE
L313	Publications	200 | 2022-23 | CSE | Ms. Neha Chauhan | Digitalization of Hospitals: A Smart Healthcare Management | Framework | Referred Journal	OPEN SOURCE
L314	Publications	Publication | International Research Journal | of Modernization in Engineering Technology and... 201 | 2022-23 | CSE | Ms. Neha Chauhan | Super Image Resolution Using Deep Learning Techniques | Referred Journal Publication |	OPEN SOURCE
L315	Publications	International Journal of Novel | Research and Development 202 | 2022-23 | CSE | Ms. Padmini Mishra | Content Generation Using AI | Referred Journal Publication | International Research Journal | of	OPEN SOURCE
L316	Publications	Modernization in Engineering Technology and... 203 | 2022-23 | CSE | Ms. Padmini Mishra | Helmet and license plate dectection | Referred Journal Publication | Journal of Emerging |	OPEN SOURCE
L317	Publications	Technologies and Innovative Research (Journal of | Emerging... 204 | 2022-23 | CSE | Ms. Raziya Siddiqui | A Fuzzy TOPSIS based Analysis to Prioritize Enabling Factors | for Strategic In... | Referred	OPEN SOURCE
L318	Publications	Journal Publication | Referred Journal 205 | 2022-23 | CSE | Ms. Sakshi Singh | Framework for Minimizing Threats through Text Encryption | using ECC | Referred Journal	OPEN SOURCE
L319	Publications	Publication | International Journal of | Research and Analytical Reviews 206 | 2022-23 | CSE | Ms. Sakshi Singh | RESEARCH ARTICLE DESCRIBING THE MODEL FOR | PREDICTING BREAST CANCER |	OPEN SOURCE

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L320	Publications	Referred Journal Publication | International Research Journal | of Modernization in Engineering Technology and... 207 | 2022-23 | CSE | Ms. Smiley Gandhi | Visual Discovery Engine: An Image-Based Search and Retrieval | System | Referred Journal	OPEN SOURCE
L321	Publications	Publication | International Journal for | Research in Applied Science & Engineering Technolog... 208 | 2022-23 | CSE | Ms. Vandana Tripathi | Sentiment Analysis of Movie Review using Ensemble Model | Referred Journal Publication |	OPEN SOURCE
L322	Publications	International Research Journal | of Modernization in Engineering Technology and... 209 | 2022-23 | CSE | Ms. Vandana tripathi | Fraud Detection using Isolation Forest Algorithm in Credit Card | Referred Journal Publication |	OPEN SOURCE
L323	Publications	International Journal of | Research and Analytical Reviews 2 | 2022-23 | ECE | Dr. Rupali Agarwal | Performance of multi-antenna relay based cooperative spectrum | sensing in cogn... | SCI Journal	OPEN SOURCE
L324	Publications	Publication | International Journal of Electronics | Letters 85 | 2022-23 | ECE | Dr. Rupali Agarwal | Gesticulated Robotic Arm: A Gesture-Controlled Robotic Arm | System | Conference Publication |	OPEN SOURCE
L325	Publications	IETE Zonal seminar on “Data | Science, Communication and Information Security” 211 | 2022-23 | ECE | Dr. Abhimanyu Kumar | Yadav | A Smart stretcher with integrated medical intelligence system | Referred Journal	OPEN SOURCE
L326	Publications	Publication | Tijer - International Research | Journal 212 | 2022-23 | ECE | Dr. Abhimanyu Yadav | Smart Bin Using IoT | Referred Journal Publication | Journal of Emerging | Technologies and	OPEN SOURCE
L327	Publications	Innovative research 213 | 2022-23 | ECE | Dr. Rupali Agarwal | Smart Wearable for Rescuers/ Victims | Referred Journal Publication | Journal of Emerging | Technologies and Innovative Research	OPEN SOURCE
L328	Publications	214 | 2022-23 | ECE | Dr. Shailendra Tahilyani | Solar Panel Cleaning Robot for Residential Applications | Referred Journal Publication | Tijer	OPEN SOURCE
L329	Publications	- International Research | Journal 215 | 2022-23 | ECE | Dr. Shailendra Tahilyani | Speed Limiting and Control of Vehicle in Restricted Zone | Automatically | Referred Journal	OPEN SOURCE
L330	Publications	Publication | International Journal for | Research in Applied Science & Engineering Technolog... 216 | 2022-23 | ECE | Mr. Amit Kumar Singh | Speaking System for Dumb People Using Hand Gesture | Referred Journal Publication |	OPEN SOURCE
L331	Publications	International Journal of | Innovative Research in Engineering 217 | 2022-23 | ECE | Mr. Dharmesh Kumar | Smart Cities Through IOTs | Referred Journal Publication | International Journal for | Research	OPEN SOURCE
L332	Publications	in Applied Science & Engineering Technology 218 | 2022-23 | ECE | Mr. Dharmesh Kumar | Smart Sewage System: An IoT-Based Sewage Monitoring and | Management System |	OPEN SOURCE
L333	Publications	Referred Journal Publication | International Journal for | Research in Applied Science & Engineering Technolog... 219 | 2022-23 | ECE | Mr. Diwakar Singh | IoT Based Circuit Breaker | Referred Journal Publication | Journal of Emerging | Technologies and	OPEN SOURCE
L334	Publications	Innovative Research (Journal of | Emerging... 220 | 2022-23 | ECE | Mr. Kishan Kumar | Detection system of an electric meter for a household | Referred Journal Publication | International	OPEN SOURCE
L335	Publications	Journal of | Creative Research Thoughts (IJCRT) 221 | 2022-23 | ECE | Mr. Kishan Kumar | Landmine Detector Robotic Vehicle | Referred Journal Publication | International Journal For |	OPEN SOURCE

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L336	Publications	Multidisciplinary Research 222 | 2022-23 | ECE | Mr. Kishan Kumar | Smart Energy Meter Using Arduino and WIFI Module | Referred Journal Publication | International	OPEN SOURCE
L337	Publications	Journal for | Scientific Research & Development 223 | 2022-23 | ECE | Mr. Navneet Kumar Pandey | Intrusion Detection and Prevention for Agricultural Land | Referred Journal Publication |	OPEN SOURCE
L338	Publications	Journal of Emerging | Technologies and Innovative Research (Journal of | Emerging... 224 | 2022-23 | ECE | Mr. Navneet Pandey | Water Quality Management using IOT | Referred Journal Publication | Journal of Emerging |	OPEN SOURCE
L339	Publications	Technologies and Innovative research 225 | 2022-23 | ECE | Mr. Pankaj Verma | IOT based person/wheelchair fall detection system | Referred Journal Publication | Journal of	OPEN SOURCE
L340	Publications	Emerging | Technologies and Innovative Research (ISSN : 2349-5162), | ... 226 | 2022-23 | ECE | Mr. Pankaj Verma | Smart Helmet with sensor | Referred Journal Publication | Journal of Emerging | Technologies and	OPEN SOURCE
L341	Publications	Innovative Research (Journal of | Emerging... 227 | 2022-23 | ECE | Mr. Rajeev Singh | Home Automation and Security System Using ESP32 | Referred Journal Publication | Tijer -	OPEN SOURCE
L342	Publications	International Research | Journal 228 | 2022-23 | ECE | Mr. Rajeev Singh | Vehicle Exhaust smoke and Noise Detection with Location | Tracking | Referred Journal Publication | TIJER - International | Research Journal	OPEN SOURCE
L343	Publications	229 | 2022-23 | ECE | Mr. Ravi Shankar | Hybrid Technology for Military Communication | Referred Journal Publication | Journal of Emerging |	OPEN SOURCE
L344	Publications	Technologies and Innovative Research(Journal of Emerging | ... 230 | 2022-23 | ECE | Mr. Ravi Shankar | Vehicle To Vehicle Communication Using Li-Fi Technology | Referred Journal Publication |	OPEN SOURCE
L345	Publications	International Journal of | Advances in Engineering and Management (IJAEM) 231 | 2022-23 | ECE | Ms. Keerti Mishra | Corona Robot Using Arduino and Esp8266 Wi-Fi Module | Referred Journal Publication |	OPEN SOURCE
L346	Publications	International Journal of All | Research Education and Scientific Methods 232 | 2022-23 | ECE | Ms. Keerti Mishra | Gsm Crash Protego Using Arduino | Referred Journal Publication | Tijer - International Research |	OPEN SOURCE
L347	Publications	Journal 233 | 2022-23 | ECE | Ms. Ravi Shankar | Agriculture Pesticides Spraying Drone | Referred Journal Publication | Journal of Emerging |	OPEN SOURCE
L348	Publications	Technologies and Innovative Research (Journal of | Emerging... 210 | 2022-23 | EE | Mr. Anil Singh Rathore | GPS and GSM based Guiding System For Blind Person | Referred Journal Publication |	OPEN SOURCE
L349	Publications	International Research Journal | of Modernization In Engineering Technology And... 3 | 2022-23 | IT | Dr. Santosh Kumar Shukla | Local-Moment-Driven Robust Reversible Data Hiding | SCI Journal Publication | Applied	OPEN SOURCE
L350	Publications	Sciences (Multidisciplinary | Digital Publishing Institute), Volume 12,... 50 | 2022-23 | IT | Ms. Mahendra Kumar | Prediction of Air Quality for Sustainability Environment using Big | Data Minin... | Scopus Publication	OPEN SOURCE
L351	Publications	| Computer Integrated Manufacturing | Systems 81 | 2022-23 | IT | Prof. (Dr.) Manuj Darbari | A Exhaustive Review of Advancement in Technology and | current Legal Framework ... | UGC	OPEN SOURCE

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L352	Publications	CARE Journal Publication | 82 | 2022-23 | IT | Ms. Nida Hasib | Review of Facial Recognition Techniques | UGC CARE Journal Publication | International Journal for |	OPEN SOURCE
L353	Publications	Research in Applied Science & Engineering Technolog... 234 | 2022-23 | IT | Ms. Yamini Yadav | Smart Public Transport Tracking and Parking Slot Detection | System | Referred Journal Publication |	OPEN SOURCE
L354	Publications	Journal of Emerging | Technologies and Innovative research 4 | 2022-23 | ME | Dr. Shailendra Singh | Chauhan | Development and Mechanical Properties Evaluation of | Environmentally Sustainab... |	OPEN SOURCE
L355	Publications	SCI Journal Publication | Case Studies in Construction | Materials 51 | 2022-23 | ME | Dr. Neha Gupta | Implementation of Lean Manufacturing for SMEs in Uttar | Pradesh: A Sectorial A... | Scopus Publication	OPEN SOURCE
L356	Publications	| Eur. Chem. Bull., October, 2022, 11 | (Regular Issue 11), pp.1778-1794, ISSN: 2... 52 | 2022-23 | ME | Dr. Neha Gupta | Interactions of Lean Enablers in Manufacturing SMEs Using an | Analytical Hiera... | Scopus Publication	OPEN SOURCE
L357	Publications	| International Journal of Mechanical | Engineering, Volume 7 No. 12, December, 2... 53 | 2022-23 | ME | Dr. Neha Gupta | SWOT Analysis for Lean Manufacturing Strategic & | Implementation Issues in Sma... | Scopus Publication | International Journal of Mechanical | Engineering, Volume 7 No. 11, November, 2...	OPEN SOURCE
L358	Publications	54 | 2022-23 | ME | Dr. Shailendra Singh | Chauhan | Converting gasoline vehicle into an electric vehicle (EV)-A | review | Scopus Publication	OPEN SOURCE
L359	Publications	| Materials Today: Proceedings 55 | 2022-23 | ME | Dr. Shailendra Singh | Chauhan | Review paper on thermal expansion and tribological behaviour | of composite mat... |	OPEN SOURCE
L360	Publications	Scopus Publication | Materials Today: Proceedings 56 | 2022-23 | ME | Dr. Shailendra Singh | Chauhan | Sawdust-Reinforced Glass Fiber Epoxy-Based Composite: | Fabrication and Analysi... |	OPEN SOURCE
L361	Publications	Scopus Publication | Journal of The Institution of Engineers | (India): Series D 57 | 2022-23 | ME | Mr. Ankit Asthana | A Interpretive structural modeling approach to lean | manufacturing obstacles | Scopus Publication |	OPEN SOURCE
L362	Publications	International Journal of mechanical | Engineering/ Vol 7(5) 58 | 2022-23 | ME | Mr. Ankit Asthana | Analysis of mechanical strength and YoungIs modulus of | ultrasonically functio... | Scopus Publication	OPEN SOURCE
L363	Publications	| Advances in Materials and Processing | Technologies, Volume- 7 (2) 59 | 2022-23 | ME | Mr. Ankit Asthana | Mechanical behavior of silk/hemp/steel wool - Epoxy composite | Scopus Publication | ElsevierIs-	OPEN SOURCE
L364	Publications	Materials Today, Volume - | 44 (P1) 60 | 2022-23 | ME | Ms. Jyoti Singh | A concise review of optimization potentials on working fluids | used in power c... | Scopus Publication |	OPEN SOURCE
L365	Publications	European Chemical Bulletin 61 | 2022-23 | ME | Ms. Jyoti Singh | Effect of design conditions on reheat gas turbine combined cycle | power using ... | Scopus Publication |	OPEN SOURCE
L366	Patents / IPR	European chemical bulletin (ECB) 419 | 2025-26 | ASH/HU | Dr. Uday Shankar | Design Application | Design Application No. 465337-001 | Published	OPEN SOURCE
L367	Patents / IPR	421 | 2025-26 | CSE | Dr. Sangeeta Mishra | AI-powered personalized learning platform | 202511027359 | Published	OPEN SOURCE

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L368	Patents / IPR	422 | 2025-26 | CSE | Dr. Sangeeta Mishra | Computer Peripheral Device with Display Screen | UK Design Registration No. 6511860 |	OPEN SOURCE
L369	Patents / IPR	Published 423 | 2025-26 | CSE | Ms. Amrita Mishra | AI BASED USB DEVICE FOR MANAGING MULTIPLE SMART DEVICES | 458511-001 | Published	OPEN SOURCE
L370	Patents / IPR	424 | 2025-26 | CSE | Ms. Amrita Mishra | Machine Learning based Cyber Security Detecting Device for Wireless Networks | 464296-001 |	OPEN SOURCE
L371	Patents / IPR	Published 425 | 2025-26 | CSE | Ms. Amrita Mishra | AI based USB device for managing multiple smart devices | 458511-001 | Published	OPEN SOURCE
L372	Patents / IPR	426 | 2025-26 | CSE | Ms. Amrita Mishra | Machine Learning based Cyber Security Detecting Device for Wireless Networks | 464296-001 | Published	OPEN SOURCE
L373	Patents / IPR	427 | 2025-26 | CSE | Ms. Archana Dwivedi | Crop Monitoring Sensor | 6424450(Design Number) | Published	OPEN SOURCE
L374	Patents / IPR	428 | 2025-26 | CSE | Ms. Archana Dwivedi | Serverless Cloud Computing Architecture for High-Performance AI Processing | 202541035287	OPEN SOURCE
L375	Patents / IPR	A | Published 420 | 2025-26 | EE | Dr. Apoorva Srivastava; Mr. Kishan Kumar; | Mr. Priyank Srivastava; Mr. Diwakar Singh | Fast Charging Pole Using Wind	OPEN SOURCE
L376	Patents / IPR	and Solar Energy | Design No. 463549-001 | Registered 429 | 2025-26 | EE | Prof. Shivanand; Prof. Rafik Ahmad; Mr. | Shahab Ahmad | Vacuum Cleaning Robot | 458927-001 | Registered	OPEN SOURCE
L377	Patents / IPR	436 | 2025-26 | EE | Prof. Rafik Ahmad; Prof. Shivanand | Smart Wheelchair with Health Monitoring | Registered	OPEN SOURCE
L378	Patents / IPR	437 | 2025-26 | EE | Prof. Rafik Ahmad; Prof. Fazlur Rahman | Compact Bottle Filling Machine | Registered	OPEN SOURCE
L379	Patents / IPR	430 | 2025-26 | IT | Dr. Santosh Kumar Shukla | AI-powered detection sensors monitoring system | 462818-001 | Published	OPEN SOURCE
L380	Patents / IPR	431 | 2025-26 | IT | Mr. Ankit Singh | Product Based Customers Sentiment Analysis Device | 6832415 | Published	OPEN SOURCE
L381	Patents / IPR	432 | 2025-26 | IT | Mr. Manish Singh | AI based smart concierge device | 444278001 | Published	OPEN SOURCE
L382	Patents / IPR	433 | 2025-26 | ME | Dr. Zakir Hussain | Hybrid Internal Combustion Engine | UK Design Registration No. 6433081 | Granted	OPEN SOURCE
L383	Patents / IPR	434 | 2025-26 | ME | Dr. Neha Gupta | Solar-Assisted Personal Mobility Electric Vehicle with Idle-State Energy Harvesting | and Mode-Based	OPEN SOURCE
L384	Patents / IPR	Energy Management | Published 435 | 2025-26 | ME | Dr. Neha Gupta | System for Autonomous Stabilization and Collision Mitigation in a Two-Wheeled | Vehicle | Application	OPEN SOURCE
L385	Patents / IPR	No. 202511078320 A | Published 394 | 2024-25 | AIML | Dr. Mohit Gangwar, Rudrendra Bahadur | Singh, Surya Vikram Singh, Rohit | Srivastava, Himanshu Kumar Shukla, Etc	OPEN SOURCE

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L386	Patents / IPR	| IoT enabled healthcare management system for the remote monitoring of a patient to | intelligently care | 202111038768A | Published 395 | 2024-25 | AIML | Mr. Rafik Ahmad | Apparatus for dispensing sanitary napkins | 202411031989 | Published	OPEN SOURCE
L387	Patents / IPR	396 | 2024-25 | AIML | Ms. Apoorva Srivastava | Model Predictive Control System for Power Sharing in Hybrid AC/DCMicro-Grid and | its method thereof | 550514 | Granted	OPEN SOURCE
L388	Patents / IPR	391 | 2024-25 | ASH/HU | Dr. Ranjana Shukla | NanoStructured Liposomes for Enhanced Delivery of Paclitaxel in Cancer | 202411023771 A |	OPEN SOURCE
L389	Patents / IPR	Published 392 | 2024-25 | ASH/HU | Mr. Shahab Ahmad | System for Monitoring and filtering vehicular emissions | 202411046950 | Published	OPEN SOURCE
L390	Patents / IPR	393 | 2024-25 | ASH/HU | Mr. Shushant Shukla | A Method for solving Linear Equations with Visual and Kinesthetic Learning | 202411038829	OPEN SOURCE
L391	Patents / IPR	| Published 397 | 2024-25 | CE | Prof.(Dr.) D.S. Ray, Mr. Abhay Yadav | Use of Sugarcane Bagasse Ash for Brick Making | 202511042956A | Published	OPEN SOURCE
L392	Patents / IPR	398 | 2024-25 | CSE | Diwakar Yagyasen | Automatic human personality detection system using machine learning | 202111028620 A |	OPEN SOURCE
L393	Patents / IPR	Published 399 | 2024-25 | CSE | Dr. Ram Bhushan | Artificial Intelligence Technology Based on EEG Signals for Monitoring the Online | Education	OPEN SOURCE
L394	Patents / IPR	Industry | 201721007292 | Published 400 | 2024-25 | CSE | Dr. Ram Bhushan | Fl heed fuzzy logic based heed protocol for wireless sensor networks, cope | UK Design	OPEN SOURCE
L395	Patents / IPR	Registration No. 6433081 | Published 401 | 2024-25 | CSE | Mr. Amit Kr. Sachan | Finance forecasting AI- device | 442095-001 | Published	OPEN SOURCE
L396	Patents / IPR	402 | 2024-25 | CSE | Mr. Singh, Yashpal; Dwivedi, Anurag; | Sharma, Anuj Kumar; Agrawal, Amit; Singh, | Anand; Singh | IoT based	OPEN SOURCE
L397	Patents / IPR	intelligent device more than one parking available notification using RFID | 2021102038 | Published 403 | 2024-25 | CSE | Ms. Priyanka Gupta | AI-powered digital grading pen | 423516-001 | Published	OPEN SOURCE
L398	Patents / IPR	404 | 2024-25 | DS | Dr. Neha Pandey | Analysis of how Online video sharing and Social Media Plateform develop the Online | E-Commerece	OPEN SOURCE
L399	Patents / IPR	Business | 202411030788 A | Published 405 | 2024-25 | DS | Mr. Om Awasthi | Compost Machine: Organic Waste Composting System | 418182001 | Published	OPEN SOURCE
L400	Patents / IPR	406 | 2024-25 | ECE | Dr. Shailendra Singh Chauhan | Underactuated Finger Mechanism for a Mechanical Hand | 202411043500 | Published	OPEN SOURCE
L401	Patents / IPR	407 | 2024-25 | ECE | Mr. Dharmesh Kumar | Plant Disease detection using Image processing techniques | 202141047291 | Published	OPEN SOURCE

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L402	Patents / IPR	408 | 2024-25 | IT | Dr. Santosh Kumar Shukla | AI based intruder identification | 404638-001 | Published	OPEN SOURCE
L403	Patents / IPR	409 | 2024-25 | ME | Dr. Mohit Gangwar, Rohit Srivastava, | Himanshu Kumar Shukla, Chandrabhan | Singh, Rohit, Dr. Sapna | Machine Learning Based Method For optimization of mobile health services and | medical resources in rural and remote areas | 201921040631 |	OPEN SOURCE
L404	Patents / IPR	Published 410 | 2024-25 | ME | Dr. Neha Gupta | Concentrated Solar Power (CSP)System | 202411043501 | Published	OPEN SOURCE
L405	Patents / IPR	411 | 2024-25 | ME | Dr. Shailendra Singh Chauhan | Systems and methods for detection and notification of earthquake | 202011027395 |	OPEN SOURCE
L406	Patents / IPR	Published 412 | 2024-25 | ME | Dr. Shailendra Singh Chauhan | Systems and methods for recycling of plastic waste to manufacture an object |	OPEN SOURCE
L407	Patents / IPR	202111008148 | Published 413 | 2024-25 | ME | Dr. Shailendra Singh Chauhan, Dr. | Nagendra Kumar Maurya | Development of glass fiber epoxy/ saw dust composite	OPEN SOURCE
L408	Patents / IPR	and evaluation of their | mechanical properties | 202011027394 | Published 414 | 2024-25 | ME | Dr. Shailendra Singh Chauhan and Dr. A. K. | Khare | Academic Competency and Commitment Based Self-Assessment	OPEN SOURCE
L409	Patents / IPR	by Institutions | Seeking Ranking in NIRF | 202111040595 | Published 415 | 2024-25 | ME | Dr. Tarun Kumar Gupta, Dr. Shailendra | Singh Chauhan, Sandeep Chauhan | Shoulder heating pad | 202111012052 |	OPEN SOURCE
L410	Patents / IPR	Published 416 | 2024-25 | ME | Mr. Mohit Gangwar | : internet of things (IoT) enabled healthcare management system for the remote | monitoring of a	OPEN SOURCE
L411	Patents / IPR	patient to intelligently care | 202111038768 A | Published 417 | 2024-25 | ME | Mr. Mohit Gangwar | Internet of Things Enabled Healthcare Management System for the Remote | Monitoring of a	OPEN SOURCE
L412	Patents / IPR	Patient to Intelligently care | 202111038768A | Published 418 | 2024-25 | ME | Mr. Mohit Gangwar | Machine learning based method for optimization of mobile health services and | medical resources	OPEN SOURCE
L413	Patents / IPR	in rural and remote area | 201921040631 A | Published 382 | 2023-24 | ASH/HU | Mr. Achman Mishra | Analysis of library management automation system through RFID integrated with IoT |	OPEN SOURCE
L414	Patents / IPR	techniques | 202341026969 A | Published 383 | 2023-24 | CE | Prof.(Dr.) D.S. Ray, Mr. Abhay Yadav | Method of Construction of sidewalk Pavement Using Environmentally Friendly	OPEN SOURCE
L415	Patents / IPR	Binder | Composition | 202411020278A | Published 384 | 2023-24 | CSE | Dr. Anurag Tiwari, Dr. Manuj Darbari | Social media based framework for community mobilisation during and post	OPEN SOURCE
L416	Patents / IPR	pandemic | 202031046235 | Published 387 | 2023-24 | ECE | Dr. Shailendra Tahilyani | Electronics Commerce Supply Chain Management System for Decorative Materials | using	OPEN SOURCE
L417	Patents / IPR	Machine Learning | 202022106961 | Published 385 | 2023-24 | EE | Mr. Rafeek Ahmad | Crowd Counting Drone | 202311029245 | Published	OPEN SOURCE

Link No.	Category	Institutional Record / Reference	Source
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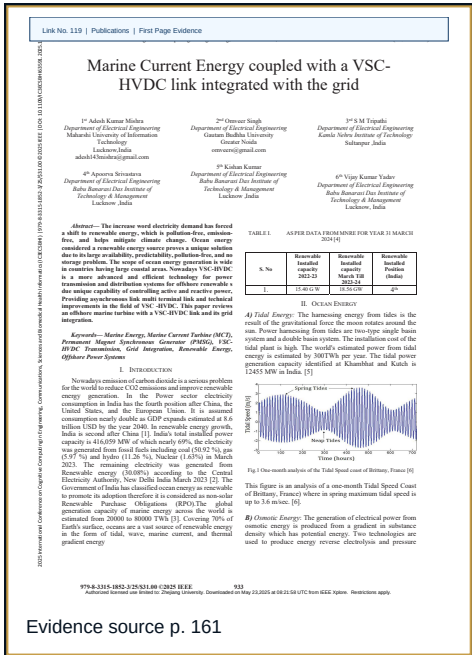
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Marine Current Energy coupled with a VSC-HVDC link integrated with the grid

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***Abstract*— The increase word electricity demand has forced a shift to renewable energy, which is pollution-free, emission-free, and helps mitigate climate change. Ocean energy considered a renewable energy source proves a unique solution due to its large availability, predictability, pollution-free, and no storage problem. The scope of ocean energy generation is wide in countries having large coastal areas. Nowadays VSC-HVDC is a more advanced and efficient technology for power transmission and distribution systems for offshore renewable s due unique capability of controlling active and reactive power, Providing asynchronous link multi terminal link and technical improvements in the field of VSC -HVDC. This paper reviews an offshore marine turbine with a VSC-HVDC link and its grid integration.**

Keywords— Marine Energy, Marine Current Turbine (MCT), Permanent Magnet Synchronous Generator (PMSG), VSC-HVDC Transmission, Grid Integration, Renewable Energy, Offshore Power Systems

I. Introduction

Nowadays emission of carbon dioxide is a serious problem for the world to reduce CO2 emissions and improve renewable energy generation. In the Power sector electricity consumption in India has the fourth position after China, the United States, and the European Union. It is assumed consumption nearly double as GDP expands estimated at 8.6 trillion USD by the year 2040. In renewable energy growth, India is second after China [1]. India's total installed power capacity is 416,059 MW of which nearly 69%, the electricity was generated from fossil fuels including coal (50.92 %), gas (5.97 %) and hydro (11.26 %), Nuclear (1.63%) in March 2023. The remaining electricity was generated from Renewable energy (30.08%) according to the Central Electricity Authority, New Delhi India March 2023 [2]. The Government of India has classified ocean energy as renewable to promote its adoption therefore it is considered as non-solar Renewable Purchase Obligations (RPO).The global generation capacity of marine energy across the world is estimated from 20000 to 80000 TWh [3], Covering 70% of Earth's surface, oceans are a vast source of renewable energy in the form of tidal, wave, marine current, and thermal gradient energy

TABLE I. AS PER DATA FROM MNRE FOR YEAR 31 MARCH 2024 [4]

S. No	Renewable Installed capacity 2022-23	Renewable Installed capacity March Till 2022-24	Renewable Position (India)
1.	15.40 G W	18.34 GW	4th

II. Ocean Energy

A) Tidal Energy: The harnessing energy from tides is the result of the gravitational force the moon rotates around the sun. Power harnessing from tides are two-type single basin system and a double basin system. The installation cost of the tidal plant is high. The world's estimated power from tidal energy is estimated by 300TWh per year. The tidal power generation capacity identified at Khambhat and Kutch is 12455 MW in India. [5]

Fig.1 One-month analysis of the Tidal Speed coast of Brittany, France [6]

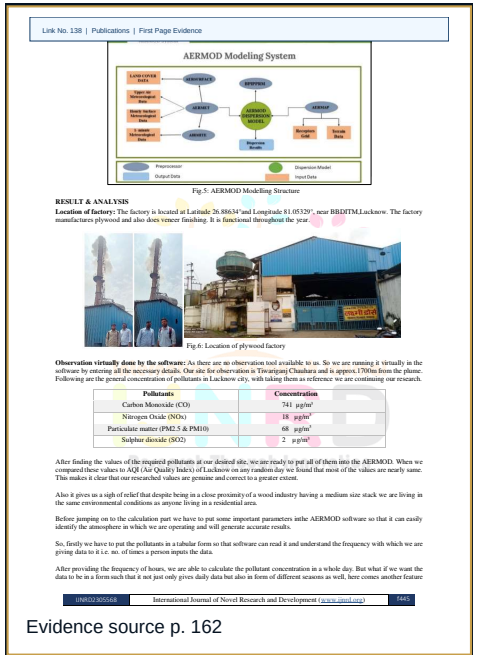
This figure is an analysis of a one-month Tidal Speed Coast of Brittany, France) where in spring maximum tidal speed is up to 3.6 m/sec. [6].

B) Osmotic Energy: The generation of electrical power from osmotic energy is produced from a gradient in substance density which has potential energy. Two technologies are used to produce energy reverse electrolysis and pressure

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AERMOD Modeling System

Fig.5: AERMOD Modelling Structure

RESULT & ANALYSIS

Location of factory: The factory is located at Latitude 26.88634°and Longitude 81.05329°, near BBDITM,Lucknow. The factory manufactures plywood and also does veneer finishing. It is functional throughout the year.

Fig.6: Location of plywood factory

Observation virtually done by the software: As there are no observation tool available to us. So we are running it virtually in the software by entering all the necessary details. Our site for observation is Tiwariganj Chauhara and is approx.1700m from the phone. Following are the general concentration of pollutants in Lucknow city, with taking them as reference we are continuing our research.

Pollutants	Concentration
Carbon Monoxide (CO)	741 $\mu g/m^3$
Nitrogen Oxide (NOx)	18 $\mu g/m^3$
Particulate matter (PM2.5 & PM10)	68 $\mu g/m^3$
Sulphur dioxide (SO2)	2 $\mu g/m^3$

After finding the values of the required pollutants at our desired site, we are ready to put all of them into the AERMOD. When we compared these values to AQI (Air Quality Index) of Lucknow on any random day we found that most of the values are nearly same. This makes it clear that our researched values are genuine and correct to a greater extent.

Also it gives us a sigh of relief that despite being in a close proximity of a wood industry having a medium size stack we are living in the same environmental conditions as anyone living in a residential area.

Before jumping on to the calculation part we have to put some important parameters inthe AERMOD software so that it can easily identify the atmosphere in which we are operating and will generate accurate results.

So, firstly we have to put the pollutants in a tabular form so that software can read it and understand the frequency with which we are giving data to it i.e. no. of times a person inputs the data.

After providing the frequency of hours, we are able to calculate the pollutant concentration in a whole day. But what if we want the data to be in a form such that it not just only gives daily data but also in form of different seasons as well, here comes another feature

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A SMART STRETCHER WITH INTEGRATED MEDICAL INTELLIGENCE SYSTEM

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Abstract

The idea here is to provide an intelligent smart health system using some sensors and microcontrollers which are implemented in stretchers. This can improve the quality of care which makes the process quicker. The purpose of this project is to highlight the main features of an intelligent stretcher and a system of monitoring crucial signs of an unconscious person. Arduino is the selected device for information processing which collectively obtains the heart rate and Temperature, updating directly to the intensive care unit via IOT. This system is developed by using affordable technology and merging different functions to offer an expedient solution. Additionally, the stretcher is provided with an automatic moving mechanism under the guidance of one person which reduces manpower requirements.

Keywords: IoT, Smart stretcher, NodeMCU, Arduino, Patient monitoring system.

Introduction

Covid-19 is still on its current mission of affecting people with it's insperable cause that is the death to expansion of virus ratio. It was in 2019 when it started emerging as a deadly virus and without any discrimination it got spread across the countries worldwide, making people suffer. In November 2020,people being infected by covid was more than 62 million,even today although the count has enormously been reduced people suffer because everyone was although , not infected but affected.

Preserving good health is one of the global challenges for humanity. [4] In the last decade people have offered a considerable amount of attention to the wireless and Internet of things based technology (IOT) ,whereas this technology has also given the beat of it's outcomes to help mankind. It's innovation has helped the each and every field and most importantly ,The medicinal field. Basically in medical field it refers to the establishment of such physical device that can be used to obtain, transfer the information over wireless systems with less support from human[5] . Health care professionals used to go to to each ward and check the patients, thus measuring the basic parameters by themselves,this causes a lot time driven mechanism ,thus a smart streacher is proporsed so that the basic health measuring physical parameters can be measured like temperature , heart rate and oxygen level , helping people as well as the healthcare speacilist by saving their time, by reading and transferring the information through wireless medium to the doctor thus also proving it medically intelligent.

Previously, Arduino, Android, and microcontroller-based heart rate monitoring

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SMART WEARABLE FOR RESCUERS/VICTIMS

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Abstract : Rescue missions are very critical in saving the lives of many people. The people who involve themselves in the same risk their lives in order to save the lives of the victims. In such cases, tracking a person in case of dense areas can be of huge difficulty as GPS signal will not be in a position to penetrate through the buildings. They have the chance of getting reflected back, thereby leading to erroneous predictions of the location of the person. It would be handy to develop a wearable that can help in tracking the person. This project introduces a smart wearable designed for firefighters and rescuers, integrating advanced sensor technologies to enhance safety and performance. The device incorporates environmental monitoring for real-time data on temperature and potential hazards. Additionally, it includes biometric sensors to monitor the wearer's vital signs, ensuring early detection of stress or fatigue. The wearable also integrates communication functionalities, allowing seamless coordination among team members. By providing actionable insights and improving communication, this smart wearable aims to enhance the efficiency and safety of firefighters and rescuers in the challenging environment. The system is fully integrated into a firefighter protective suit and it is able to monitor heart rate, to detect movements of a firefighter, to detect toxic and combustible gases in the environment and to measure temperature and relative humidity inside and outside of the suit. The protective system consists of developed integrated sensor modules, e-textile wiring harnesses, body control unit (BCU), central processing unit (CPU), body area network and wide area network. The measured data are wirelessly transmitted over a wide area network with automatic routing algorithm to the central processing unit, which is checked by a firefighter operation chief, who is kept informed about an actual state of individual fire fighters. In case that some monitored parameter overstepsa preset threshold values the BCU will automatically inform a fire fighter by means of acoustic alarm about oncoming risk.

I. Introduction

Smart wearables for rescue are wearable devices that are specifically designed for rescue personnel. These wearables can monitor various health parameters, such as heart rate, body temperature, and location, among others. A smart wearable is a potential tool to dissipate the information of the location and health condition of a potential victim. A methodology is developed to identify trapped victims and critical rescue areas using the data dissipated by smart wearable of potential victims and exposed elements. Wearables are electronic technology or devices incorporated into items that can be comfortably worn on a body. These wearable devices are used for tracking information on real time basis.

What Is Wearable Technology?

Wearable technology, also known as "wearables," is a category of electronic devices that can be worn as accessories, embedded in clothing, implanted in the user's body, or even tattooed on the skin. The devices are hands-free gadgets with practical uses, powered by IOT device and enhanced with the ability to send and receive data via the Wi-Fi module.

Objectives of Smart Wearables for Firefighters:

A. Real-time Biometric Monitoring:
1. Vital Signs: Smart wearables equipped with biometric sensors monitor firefighters' vital signs in real-time, providing crucial information about their physical condition during operations.
2. Environmental Sensors: Integration of environmental sensors enables continuous tracking of air quality, temperature, and hazardous gases, ensuring early detection of potential health risks.

B. Enhanced Communication:
1. Interconnected Communication: Smart wearables facilitate seamless communication among team members through built-in communication systems, overcoming the limitations of traditional radios in challenging environments.
2. Data Sharing: Firefighters can share critical information, such as building layouts or rescue plans, fostering improved collaboration and decision-making.

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Solar Panel Cleaning Robot for Residential Applications

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Abstract:
This research paper proposes the development of an autonomous robotic cleaning system to solve the problem of dust accumulation on solar panels, which reduces their efficiency and energy production. The system uses a robot equipped with pneumatic suction cups and chemical cleaning methods, such as rotary brushes and vacuum systems. It aims to minimize the involvement of humans in the dangerous task of cleaning solar panels and maintain the efficiency of the equipment. The paper discusses the problem of dust accumulation, outlines a proposed cleaning method, and highlights the use of a PIC microcontroller to control the robot. The results demonstrate the effectiveness of the robotic system in maintaining the efficiency of the solar panels. This research contributes to the advancement of solar energy technology and promotes the use of clean and renewable energy sources.

1. INTRODUCTION

The introduction highlights the challenges faced by solar power plants due to the accumulation of dust on solar panels, which reduces their efficiency and power production. It emphasizes the need to effectively solve this problem and improve the overall performance of solar energy systems. The proposed solution involves the development of an autonomous robotic cleaning system specifically designed for solar panel maintenance. This system uses dry cleaning methods and pneumatic suction to remove dust, thus reducing human involvement and accounting for the limited availability of water in certain locations. The aim of the research paper is to present the problem, design a robotic cleaning system, discuss the control mechanism and evaluate its effectiveness. The study aims to advance solar energy technology and promote the adoption of sustainable energy sources.

2. OBJECTIVE

1. The objective is to develop an autonomous robotic cleaning system. The primary objective is to design and implement a robotic cleaning system capable of autonomously removing dust from the surface of solar panels. This system aims to minimize human involvement and provide a reliable and efficient method for maintaining the cleanliness of solar panels.
2. Enhance solar power plant efficiency: The research aims to address the issue of reduced efficiency and power generation caused by dust accumulation on solar panels. By developing an effective cleaning system, the objective is to improve the overall efficiency and performance of solar power plants, maximizing their energy output and economic viability.
3. Validate the efficacy of the robotic cleaning system: The research seeks to evaluate the effectiveness of the proposed robotic cleaning system in maintaining the efficiency of solar panels. Through testing and analysis, the objective is to demonstrate the viability and practicality of the system, showcasing its potential as a solution to the dust accumulation challenge in solar energy systems.

3. HARDWARE

3.1 Bluetooth

Bluetooth is a wireless communication technology that allows devices to exchange data over short distances without the need for cables. It offers simplicity, low power consumption, and versatility, making it widely used in various devices such as smartphones, headphones, and speakers. Bluetooth works through a master-slave architecture where one device controls communication with one or more connected devices.

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Speaking System for Dumb People Using Hand Gesture

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Abstract: *The ability to communicate is essential for individuals to express themselves and engage in social interactions. However, people with speech disabilities face challenges in verbal communication. This research paper presents a speaking system designed to address the communication needs of dumb individuals using the Arduino Uno platform. The system utilizes hand gestures captured by flex sensors and processed by Arduino Uno to generate speech output through speech synthesis techniques. The abstract provides an overview of the speaking system, its objectives, and the significance of the research. It highlights the hardware setup, firmware development, gesture recognition, speech synthesis, and integration with a home automation system. The abstract concludes by emphasizing the feasibility and effectiveness of the system in facilitating communication for dumb individuals, contributing to inclusive and interactive communication.*

Key Word: *speaking system, dumb people, Arduino Uno, gesture recognition, speech synthesis, flex sensors, communication, home automation.*

I.INTRODUCTION

Effective communication is a fundamental aspect of human interaction, enabling individuals to express their thoughts, emotions, and needs. however, individuals with speech disabilities, such as dumb people, face significant challenges in verbal communication, which can limit their ability to fully participate in social interactions. to address this issue, this research paper presents a speaking system specifically designed for dumb people using the arduino uno platform.

The arduino uno, a widely available and accessible microcontroller board, provides a versatile and cost-effective solution for implementing various applications. by leveraging the capabilities of arduino uno, we aim to develop a speaking system that empowers dumb individuals to communicate effectively using hand gestures.

The speaking system relies on gesture recognition as the primary input modality. hand gestures are captured using flex sensors, which detect the bending of fingers and convert them into electrical signals. these signals are processed by the arduino uno microcontroller, which analyzes and interprets the gesture data. through intelligent algorithms and mapping techniques, the system translates recognized gestures into meaningful commands or actions.

In addition to gesture recognition, the speaking system incorporates speech synthesis techniques to enable vocalization of the user's intentions. the recognized gestures are processed and transformed into synthesized speech output, providing a means for dumb individuals to express themselves verbally and convey their thoughts and needs to others.

II.LITERATURE SURVEY

A natural way to convey a certain idea or intent is through gesturing. In this study, a wearable hand glove-based sign language interpreting system is proposed. The American Sign Language alphabet is distinguished by this wearable technology using five flex-sensors, two pressure sensors, and a three-axis inertial motion sensor. Three components make up the entire system: a wearable device with a sensor module, a processing module, and a mobile application module with a display unit. Android-based smartphones were designed with a text-to-voice feature that transforms the incoming text into auditory output.

Multiple orientation sensors were used to obtain Euler angles, which were then used to create a gesture detection system. The IS-300 Pro Precision Motion Tracker from Inter Sense was employed in a real-time arm gesture recognition system for the identification. This strategy is excellent and quite accurate. The sensor can attain accurate angles, and the system can correctly recognise and anticipate a wide range of movements. This approach was used and validated by Automatic Gesture Recognition for Intelligent Human-Robot Interaction, which creates a system that can recognise faces and gestures automatically. All the potential gestures were collected in a sizable database. At each stage of gesture identification, they applied a variety of techniques for effective and natural operation, including learning and extracting information from articulated joints and depicting gestures.

III. MODULE DESCRIPTION

1 Data glove
2 Flex Sensor
3 Atmega328P

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PUBLICATIONS - FIRST-PAGE EVIDENCE

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Landmine Detector Robotic Vehicle

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ABSTRACT
Nowadays, in countries such as Afghanistan and Iraq, land mines are posing a major danger to the lives of civilians. These mines are explosive devices that are designed to disable or destroy enemy targets and are typically hidden beneath the surface of the ground. Most land mines are placed just below the ground and are triggered by pressure or trip-wires. They typically contain a number of metallic components, which can be used to detect them. The mines that are set up during times of war may remain undetected for extended periods. The term "Metal Detector" implies that it can be done from a distance, allowing for a safer approach to locating landmines. Using a mine detection robot, soldiers can traverse mine-ridden areas without entering them, providing a secure and efficient way of landmine detection. Other methods, such as radar bullets, biological methods, and mechanical methods, are much risky and put soldiers' lives at risk. The Landmine Detection Robot, which utilizes both IoT and GPS technology, is a much safer option.

Keywords: *Metal Detector, Wi-Fi module, Global Position System (GPS), Global System for Mobile Communication (GSM), IoT, Solar Panel, LCD, Motor Driver.*

I.INTRODUCTION
In warfare, buried landmines cause a significant number of casualties, even after a conflict has ended. These unexploded landmines possess a dangerous characteristic: they can remain active and functional for an extended period of time. Consequently, the risk of fatal damage and death from landmines is ever-present. Due to their affordability and ease of construction, landmines have become an effective weapon. They typically consist of explosives and a triggering mechanism, often activated by weight. Different types of landmines exist, each requiring a specific weight to trigger them. These mines are strategically buried at shallow depths in the soil, making them difficult to detect with the naked eye [2]. Unaware individuals may unintentionally step on them, resulting in severe injuries or death due to the ensuing explosion. Landmines can be deployed in specific patterns to impede enemy movements. For instance, a zigzag pattern can slow down advancing enemies, while mines strategically placed can force the enemy to alter their path, leading them into an ambush. These characteristics make landmines highly effective, as they can be easily deployed and remain undetected and fully functional for extended periods. This project provides a comprehensive review of existing and advanced techniques developed for landmine detection, with electronics playing a crucial role in the development and efficient utilization of some of

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Intrusion Detection and Prevention for Agricultural Land

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***Abstract*— The coexistence of humans and wildlife has become increasingly complex due to habitat encroachment and urbanization. As a result, mitigating conflicts and ensuring the safety of both humans and animals has emerged as a critical challenge. This research paper proposes a novel Smart Intrusion Detection System (SIDS) specifically designed to address the issue of wildlife intrusion into agricultural fields.**
The system incorporates various sensors, including thermal imaging, motion detection, and acoustic sensors, strategically deployed to detect the presence of wild animals in real time.
Furthermore, the SIDS incorporates a smart alerting mechanism that promptly notifies relevant authorities and residents upon intrusion detection. The basic ideology behind this project is "Prevention is far better than Cure" thus, predicting the presence of animals near the crop fields and alerting the farmer to protect their crops.

***Keywords*— Animal detection, Prevention, Sensor, Intrusion, Crops**

I. Introduction
Agricultural lands play a crucial role in ensuring food security and sustainable development. However, the vulnerability of these lands to various forms of intrusion poses significant challenges to crop security and productivity. Unauthorized access by humans, livestock, and wildlife can result in crop damage and huge economic losses for farmers. Traditional approaches to agricultural security were limited to physical barriers and manual surveillance which involved huge labour. Hooliganism of crops is becoming more prevalent in agricultural states, such as Uttar Pradesh, Rajasthan, Punjab, Bihar, Tamil Nadu, etc. Elephants, buffaloes, blue buck, monkeys, and deer invade the field and destroy the crops. Thus, with the help of an Arduino-based detection system, we can identify various types of animals restricting them to enter our agricultural fields, thus protecting our crops without harming them.

II. OBJECTIVE
Electrical fencing is one of the most used methods for protecting crops from wild animals; in some areas, farmers burn elephant dung or other materials to generate thick smoke to restrict animals from entering the crop fields, which results in air quality issues. But with the use of smart intrusion detection systems, manual labor can be avoided. The objective of this project is to make sure that the interference of animals is restricted in the field so that damage to the crops can be eliminated. We also have to keep in mind that animals don't get harmed in the process and crops can be saved, so it could be a win-win situation, thus reducing human labor and using technology to enhance the use of technological advancements in agriculture.

III. Scope
This system aims to prohibit domestic animals from accessing the farmlands. It also protects crops from animal damage. It is used to detect animal interference, warn the farmer and protect the crops from wild animals by using various types of sensors. The Arduino module is used to submit a prior warning to the farmer. When the sensor is activated, a buzzer sound is generated, resulting in wild animals fleeing from the field's entrance. The biggest benefit of this project is its low-consumption model.

IV . Methodology
Arduino Uno Board is the core component of this project. The infrared sensor, sound sensor, and piezoelectric sensor are interfaced as input to the board. Within the range of 10 meters, these sensors sense the movement of animals trying to enter the field. When movement is detected in this area, the led and buzzer goes to high mode. In some cases, water from the water sprinkler is generated. The infrared sensors are the radiation-sensitive component that detects the radiation from the intruder which is reverted to the sensor from which the distance of the intruder is detected. The sound sensor used in the project converts sound waves to electrical signals. It

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IOT BASED PERSON/WHEELCHAIR FALL DETECTION SYSTEM

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ABSTRACT : Falling down is among the major causes of medical problem that are faced by the elderly people and movement disability person. These people tend to injure themselves from falling down when they alone.When a falling event occurred, medical attention needs to provide immediately in order to reduce the risk of faller from getting severe injuries which may lead to death. Several technologies have been developed whichsome utilized webcams to monitor their activities. However, the cost of operation and installation is expensive and only applicable for indoor environment. Some user also worried about their privacy issues. Current commercialized device is by wearing a wearable wireless emergency transmitter which restrict movement of user and produce high false alarm. This research proposed a wheelchair-person fall detection system with IoT which is cost effective and reliable to detect fall and alert surrounding to call for help. For fall detection, gyroscope, GPS module, FSR pressure sensor and microcontroller are implemented into the system. The gyroscope is use to detect the position of the wheelchair while the FSR pressure sensor which placed on the sit pad of the wheelchair will be used to detect and recognized the gesture of the user. Both works together to detect fall event which increase the accuracy of the fall detection. GPS module used to allocate the location of the wheelchair when fall event occur. When fall event occur, all the data includes thelocation of the wheelchair will be sent to mobile. The IoT system will sent email notification to the registered person to alert them fall event happen and help needed. Moreover, this system requires less implementation cost and provides a quick response. It can install in the existing commercial wheelchair. However, the limitation of this system is it required a good WIFI connection. For future recommendation, a better GUI design can be implemented into the system besides that, more detection system can be added on to increase the accuracy of the system.

I. Introduction
Every country in the world was focusing on developing their nation which includes growing the country's population. The number of increasing of population lead increasing number of older people and health issue people. With increasing number of these people, the demand of healthcare service increases rapidly. These people who have health issue or elderly people usually does not have enough strength to walk thus, wheelchair will be used. For those who used wheelchair but live independently are exposed to

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Home Automation and Security System Using ESP32

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***Abstract*— Contemporary society demonstrates progressive enhancement every passing day. Among the most auspicious breakthroughs in present-day technology is the implementation of home automation systems. The swift progress in technological advancements and automation has considerably simplified human existence. This undertaking involves the creation of an innovative intelligent household accompanied by an enhanced safeguarding mechanism through IoT and sensors. Users can conveniently regulate and oversee the system through web-based interfaces or smartphone applications such as the Arduino Bluetooth Control app. The principle aim of this project is to devise a cost-effective home automation and security system for smart homes, thereby guaranteeing an improved quality of life for individuals and their families, especially for elderly and disabled people.**

Keywords*— *home automation, web-based interface, Arduino Bluetooth Control, IoT, sensors.

I. Introduction
The primary focus of this research project revolves around the implementation of a robust smart home security and automation system. The concept of home automation and its emphasis on safety emerged in the late 1970s; however, as technology has advanced over time, our perceptions and expectations of home automation and its security systems have evolved significantly. When examining various home automation systems, it becomes evident that their primary objective has consistently been to offer residents efficient and convenient means of accessing their dwellings while prioritizing safety.

[1]. Home automation using the Internet of Things is much more beneficial for some reasons [2].
- Less installation cost.
- wide range control of appliances.
- Less power consumption and hence energy saving.
- Easy to control and access able to smartphones or other devices.

In this research paper, a cost-effective smart home automation and security system is presented to significantly the quality of human life. In the contemporary era, individuals are increasingly prioritizing their home security concerns, given the alarming rise in crime rates across the globe. Domestic violence against women and children has become a crucial issue during the past few years. Manusher Jonno Foundation (MJF) is a human rights foundation of Bangladesh that has surveyed that, during the lockdown for the coronavirus pandemic, a total of 4249 women and 456 children were the victims of domestic violence in 27 selected districts of Bangladesh. them, 1,672 women and 424 children faced violence for the first time during this lockdown [3]. Crimes like kidnapping, burglary, robbery, rape, and child abuse have become a common scenario in Bangladesh. It makes us more concerned about the safety of our family. So, we have tried to find a feasible solution.

The primary objective of contemporary security systems is to detect any unauthorized entry into a residence, promptly alert the homeowner of the intrusion or attempted breach, prevent the intruder from gaining entry, and gather substantial evidence related to the incident. The swift progress of technology has revolutionized the notion of home security. Traditional lock and key mechanisms have been replaced by advanced systems encompassing cameras, diverse contact sensors, proximity sensors, and Bluetooth technology, among others. Modern households are now seamlessly connected to the internet, granting users remote control and access to their homes from any location worldwide [1]. The overarching aim of this proposed system is to construct a cost-effective automation and security solution that guarantees the protection of both our household and our loved ones.

II. OBJECTIVE
The aim is to design a prototype that establishes wireless remote control over a network of home appliances. The application is designed to run on an Android device providing features like voice command control, live streaming for security, LPG gas detection, remote control, temperature, humidity, etc. If the Wi-Fi is available, ESP32 will automatically connect with the Wi-Fi. Using day-to-day gadgets, we can utilize them for a different perspective.

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HYBRID TECHNOLOGY FOR MILITARY COMMUNICATION

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***Abstract*— Information sharing is the key concept of network-centric military operations. As the complexity of operational environments increases, military communications networks must be agile to meet strict and evolving mission requirements in the midst of challenges presented by dynamic operational environments. The RF spectrum, for example, is a limited resource, which can be utilized better and in a more flexible way through the use of software defined networking and cognitive radios. Tactical communication encompasses all communication techniques used in the battlefield, constituting a heterogeneous collection of approaches and technologies. The battlefield is typically a disruptive environment, often called DIL (short for disconnected, intermittent, and limited), which summarizes the challenges that engineers and tactical network operators constantly face. Thus, it is important that capabilities such as self-organization, decentralization, and delay tolerance are implemented to facilitate information sharing in such environments. To assist in timely and accurate decision making, rapid information sharing is an important aspect of information superiority. Machine learning techniques can be used to analyse large streams of data, but military communications must ensure the security of the data and techniques. If automated sharing across different networks and security levels can be provided with adequate levels of trust and data leak prevention, one important building block in cross-domain information sharing will be in place. The four articles that constitute this year's Feature Topic on military Communications provide an overview of these trends in military communications.**

The first article, "Unified Solution to Cognitive Radio Programming, Test, and Evaluation for Tactical Communications," presents challenges related to spectrum limitations, and proposes a solution to software-defined radio programming. The design and implementation of a radio software programming tool is presented, along with an approach to making prototyping of cognitive radio capabilities with tactical radios in a fast and cost-effective manner.

The article "Combining Software-Defined and Delay-Tolerant Approaches in Last-Mile Tactical Edge Networking" addresses interconnecting higher-level networks with abundant resources with the tactical edge. The authors identify the last mile as the major challenge, and suggest combining software defined and delay-tolerant approaches to better support applications and information sharing in such networks.

In addition to delay tolerance, there are other aspects that can improve tactical communications as well. The article "Inband Full-Duplex Radio Transceivers: A Paradigm Shift in Tactical Communications and Electronic Warfare?" discusses one such aspect. Here, it is pointed out that in hand full-duplex operation has great potential in civilian wireless communication, since it has the potential to double transmission links' spectral efficiency. The authors aim to exploit this emerging radio technology in military communication applications. The key concept is STAR, short for simultaneous transmission and reception, which allows a radio to do more than one thing at the same time, for example, allowing radios to conduct electronic warfare at the same time as they are receiving or transmitting other signals.

The final article, "Data Leakage Prevention for Secure Cross-Domain Information Exchange," shows how a trusted component, a data guard, can be leveraged to achieve secure cross-domain information exchange. However, the authors point out that while a guard is a high-assurance component, a weakness of the guard-based solution is that there is often limited assurance in the correctness of the security labels. Hence, the authors propose to use advanced content checking as an additional measure to prevent data leaks. Leveraging machine learning techniques enables data-driven methods that automatically infer the words associated with classified content. The article discusses a proof-of-concept implementation and application of this approach.

I. Introduction
In the modern battlefield, effective communication and real-time data exchange among military vehicles are crucial for mission success and troop safety. Traditional communication systems often face challenges such as limited range, susceptibility to jamming, and compatibility issues. To address these challenges, a novel solution leveraging Bluetooth technology and sensor networks is proposed to facilitate seamless communication and data exchange among military vehicles.

Evidence source p. 172

GSM CRASH PROTEGO USING ARDUINO

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***Abstract*— Roadway accidents are a leading cause of death and injury worldwide. To address this problem, we propose an affordable GSM-based Crash Protego System that utilizes Arduino technology and a combination of sensors to detect drowsiness, intoxication, collisions, and accidents, and provide timely assistance. Our objective is to reduce the high rate of accidents on the road network by implementing this cost-effective and user-friendly solution in every vehicle. We conducted an experiment to evaluate the system's effectiveness, which showed that it is highly accurate and efficient.**

***Keywords*— Roadway safety , Sensor-based monitoring , drowsiness detection , collision prevention , Emergency response system.**

I. INTRODUCTION
Roadway accidents are a major concern in India, and across the globe, leading to numerous fatalities and injuries. To prevent such accidents, it is essential to detect drowsiness, intoxication, collisions, and accidents, and provide prompt assistance. We propose an affordable GSM-based Crash Protego System that uses Arduino technology and a combination of sensors to detect such conditions and offer timely aid. This paper describes the development and implementation of the system in detail, along with the results of an experiment conducted to evaluate its effectiveness.

II. LITERATURE SURVEY
Extensive research indicates that drowsiness, intoxication, collisions, and accidents are among the primary causes of roadway accidents. According to the Ministry of Road Transport and Highways, India reported 412,144 road accidents in 2022, resulting in 151,417 deaths and 417,015 injuries [1]. Numerous crash protego systems have been proposed and implemented in the past, but many are too complicated or expensive to be widely adopted. Our system is designed to be affordable and user-friendly, allowing it to be installed in any vehicle and reduces the risk of accidents.

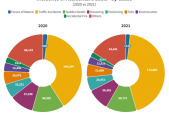


Figure 2.1: Pie Chart of Cause of Accidental Deaths in India

III. BACKGROUND
Roadway accidents are a major cause of injury and death around the world. In many cases, these accidents are caused by driver error or other factors related to human behavior. For example, drowsiness and intoxication can impair a driver's ability to react quickly and make good decisions, while distraction and inattention can lead to collisions and other accidents.

To address these issues and reduce the incidence of roadway accidents, our project aims to develop a sensor-based system that can monitor drivers for signs of drowsiness and intoxication, as well as detect potential collisions and accidents. By providing real-time feedback to drivers and alerting emergency contacts when needed, our system can help to prevent accidents and provide support in the event of an emergency.

To achieve this goal, we will be using a variety of sensors to monitor key driver behaviors and conditions. These include an eye blink sensor to detect signs of drowsiness, an alcohol detection sensor to identify drivers who may be intoxicated, and an ultrasonic sensor to detect potential collisions. Additionally, we will be using a vibration sensor and a GSM module, along with a GPS module, to send out emergency messages to pre-fed contacts in the event of an accident.

By combining these various sensors and technologies, we believe that our system can provide a comprehensive solution for reducing roadway accidents and improving driver safety. Our hope is that our work will help to raise awareness about the dangers of drowsy driving and other risky behaviors, and encourage the adoption of new technologies and approaches to improve road safety.

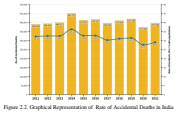
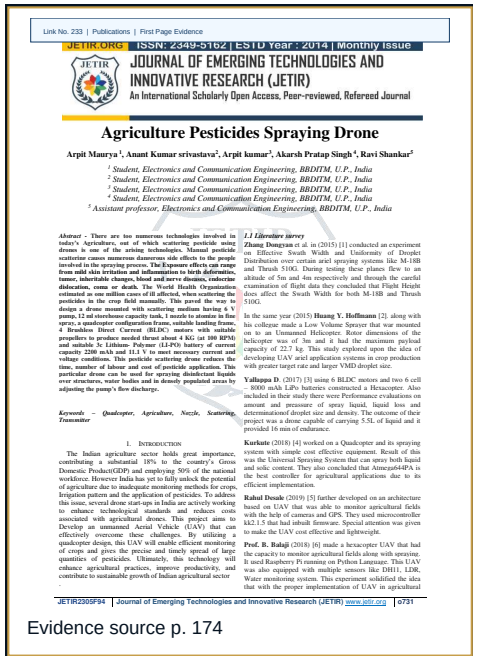


Figure 2.2: Graphical Representation of Rate of Accidental Deaths in India

Evidence source p. 173

PUBLICATIONS - FIRST-PAGE EVIDENCE



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An International Scholarly Open Access, Peer-reviewed, Refereed Journal

Agriculture Pesticides Spraying Drone

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***Abstract* - There are too numerous technologies involved in today's Agriculture, out of which scattering pesticide using drones is one of the arising technologies. Manual pesticide scatterise causes numerous dangerous side effects to the people involved in the spraying process. The Exposure effects can range from mild skin irritation and inflammation to birth deformities, tumor, inheritable changes, blood and nerve disunies, endocrine dislocation, coma or death. The World Health Organization estimated as one million cases of ill affected, when scattering the pesticides in the crop field manually. This paved the way to design a drone mounted with scattering medium having 6 V pump, 12 ml sterehouse capacity tank, 1 nozzle to atomize in fine spray, a quadcopter configuration frame, suitable landing frame, 4 Brushless Direct Current (BLDC) motors with suitable propellers to produce needed thrust about 4 KG (at 100 RPM) and suitable 3c Lithium- Polymer (LI-PO) battery of current capacity 2200 mAh and 11.1 V to meet necessary current and voltage conditions. This pesticide scattering drone reduces the time, number of labour and cost of-pesticide application. This particular drone can be used for spraying disinfectant liquids over structures, water bodies and in densely populated areas by adjusting the pump's flow discharge.**

Keywords – Quadcopter, Agriculture, Nozzle, Scattering, Transmitter

I. Introduction

The Indian agriculture sector holds great importance, contributing a substantial 18% to the country's Gross Domestic Product(GDP) and employing 50% of the national workforce. However India has yet to fully unlock the potential of agriculture due to inadequate monitoring methods for crops, Irrigation pattern and the application of pesticides. To address this issue, several drone start-ups in India are actively working to enhance technological standards and reduces costs associated with agricultural drones. This project aims to Develop an unmanned Aerial Vehicle (UAV) that can effectively overcome these challenges. By utilizing a quadcopter design, this UAV will enable efficient monitoring of crops and gives the precise and timely spread of large quantities of pesticides. Ultimately, this technology will enhance agricultural practices, improve productivity, and contribute to sustainable growth of Indian agricultural sector

1.1 Literature survey

Zhang Dongyan et al. in (2015) [1] conducted an experiment on Effective Swath Width and Uniformity of Droplet Distribution over certain ariel spraying systems like M-18B and Thrush 510G. During testing these planes flew to an altitude of 5m and 4m respectively and through the careful examination of flight data they concluded that Flight Height does affect the Swath Width for both M-18B and Thrush 510G.

In the same year (2015) **Huang Y. Hoffmann** [2]. along with his collegue made a Low Volume Sprayer that war mounted on to an Unmanned Helicopter. Rotor dimensions of the helicopter was of 3m and it had the maximum payload capacity of 22.7 kg. This study explored upon the idea of developing UAV ariel application systems in crop production with greater target rate and larger VMD droplet size.

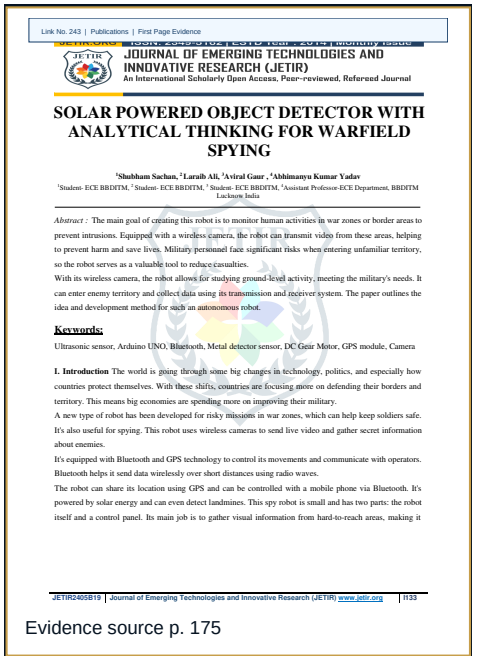
Yallappa D. (2017) [3] using 6 BLDC motors and two 6 cell – 8000 mAh LiPo batteries constructed a Hexacopter. Also included in their study there were Performance evaluations on amount and pressasure of spray liquid, liquid loss and determinationof droplet size and density. The outcome of their project was a drone capable of carrying 5.5L of liquid and it provided 16 min of endurance.

Kurkute (2018) [4] worked on a Quadcopter and its spraying system with simple cost effective equipment. Result of this was the Universal Spraying System that can spray both liquid and solic content. They also concluded that Aimezp644PA is the best controller for agricultural applications due to its efficient implementation.

Rahul Desale (2019) [5] further developed on an architecture based on UAV that was able to monitor agricultural fields with the help of cameras and GPS. They used microcontroller kk2.1.5 that had inbuilt firmware. Special attention was given to make the UAV cost effective and lightweight.

Prof. R. Balaji (2018) [6] made a hexacopter UAV that had the capacity to monitor agricultural fields along with spraying. It used Raspberry Pi running on Python Language. This UAV was also equipped with multiple sensors like DHI1, LDR, Water monitoring system. This experiment solidified the idea that with the proper implementation of UAV in agricultural

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SOLAR POWERED OBJECT DETECTOR WITH ANALYTICAL THINKING FOR WARFIELD SPYING

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Abstract : The main goal of creating this robot is to monitor human activities in war zones or border areas to prevent intrusions. Equipped with a wireless camera, the robot can transmit video from these areas, helping to prevent harm and save lives. Military personnel face significant risks when entering unfamiliar territory, so the robot serves as a valuable tool to reduce casualties.

With its wireless camera, the robot allows for studying ground-level activity, meeting the military's needs. It can enter enemy territory and collect data using its transmission and receiver system. The paper outlines the idea and development method for such an autonomous robot.

Keywords:

Ultrasonic sensor, Arduino UNO, Bluetooth, Metal detector sensor, DC Gear Motor, GPS module, Camera

I. Introduction The world is going through some big changes in technology, politics, and especially how countries protect themselves. With these shifts, countries are focusing more on defending their borders and territory. This means big economies are spending more on improving their military.

A new type of robot has been developed for risky missions in war zones, which can help keep soldiers safe. It's also useful for spying. This robot uses wireless cameras to send live video and gather secret information about enemies.

It's equipped with Bluetooth and GPS technology to control its movements and communicate with operators. Bluetooth helps it send data wirelessly over short distances using radio waves.

The robot can share its location using GPS and can be controlled with a mobile phone via Bluetooth. It's powered by solar energy and can even detect landmines. This spy robot is small and has two parts: the robot itself and a control panel. Its main job is to gather visual information from hard-to-reach areas, making it

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SEAMLESS HEALTH MONITORING AND EMERGENCY RESPONSE SMARTWATCH

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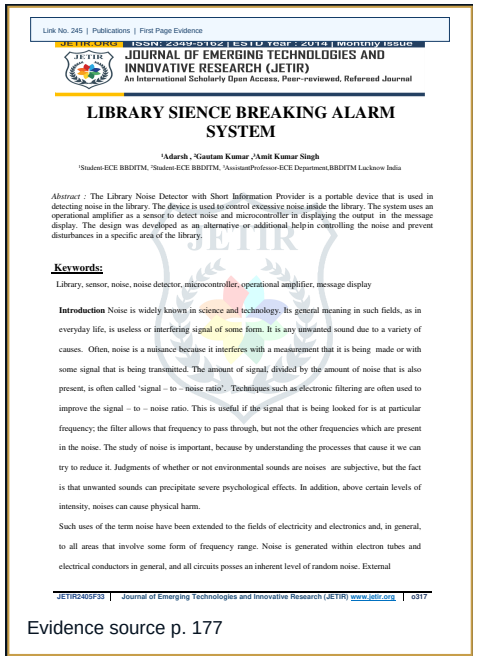
Abstract : This research paper focuses on creating a smartwatch that continuously monitors health and provides emergency responses using several advanced sensors. The smartwatch uses a TH35 temperature sensor to track body temperature, helping detect fever or hypothermia. It also includes a Waveshare pulse sensor to monitor heart rate and an SpO2 sensor to measure blood oxygen levels, both crucial for identifying potential health issues.

All the data from these sensors are processed by an Arduino Uno, which acts as the system's brain. This setup ensures that the smartwatch can gather and analyze health data in real-time. If any critical health thresholds are crossed, the smartwatch can automatically send alerts to healthcare providers and emergency contacts, ensuring timely medical intervention.

This system is particularly useful for people with chronic illnesses, the elderly, and those at risk of sudden health problems. By combining multiple sensors into one device, the smartwatch provides accurate and reliable health monitoring in a convenient wearable form.

The paper details the design and development process of the hardware and software, as well as how the sensors are integrated to work seamlessly together. Initial tests show that this smartwatch system can effectively monitor health continuously and respond quickly in emergencies, making it a significant step forward in wearable health technology.

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LIBRARY SIENCE BREAKING ALARM SYSTEM

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Abstract : The Library Noise Detector with Short Information Provider is a portable device that is used in detecting noise in the library. The device is used to control excessive noise inside the library. The system uses an operational amplifier as a sensor to detect noise and microcontroller in displaying the output in the message display. The design was developed as an alternative or additional help in controlling the noise and prevent disturbances in a specific area of the library.

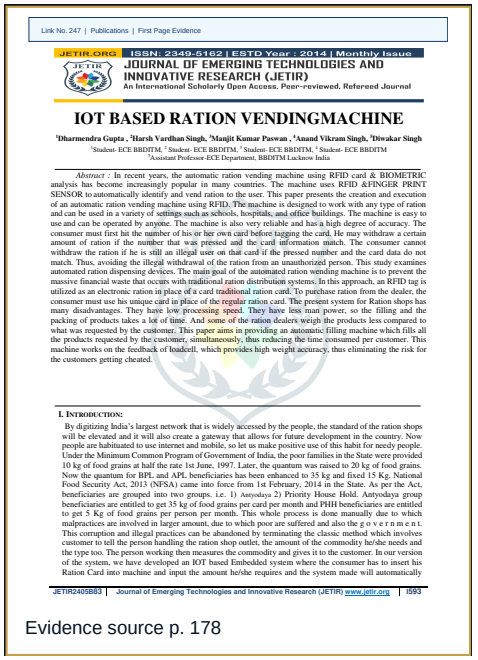
Keywords:

Library, sensor, noise, noise detector, microcontroller, operational amplifier, message display

Introduction Noise is widely known in science and technology. Its general meaning in such fields, as in everyday life, is useless or interfering signal of some form. It is any unwanted sound due to a variety of causes. Often, noise is a nuisance because it interferes with a measurement that it is being made or with some signal that is being transmitted. The amount of signal, divided by the amount of noise that is also present, is often called 'signal – to – noise ratio'. Techniques such as electronic filtering are often used to improve the signal – to – noise ratio. This is useful if the signal that is being looked for is at particular frequency; the filter allows that frequency to pass through, but not the other frequencies which are present in the noise. The study of noise is important, because by understanding the processes that cause it we can try to reduce it. Judgments of whether or not environmental sounds are noises are subjective, but the fact is that unwanted sounds can precipitate severe psychological effects. In addition, above certain levels of intensity, noises can cause physical harm.

Such uses of the term noise have been extended to the fields of electricity and electronics and, in general, to all areas that involve some form of frequency range. Noise is generated within electron tubes and electrical conductors in general, and all circuits posses an inherent level of random noise. External

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IOT BASED RATION VENDINGMACHINE

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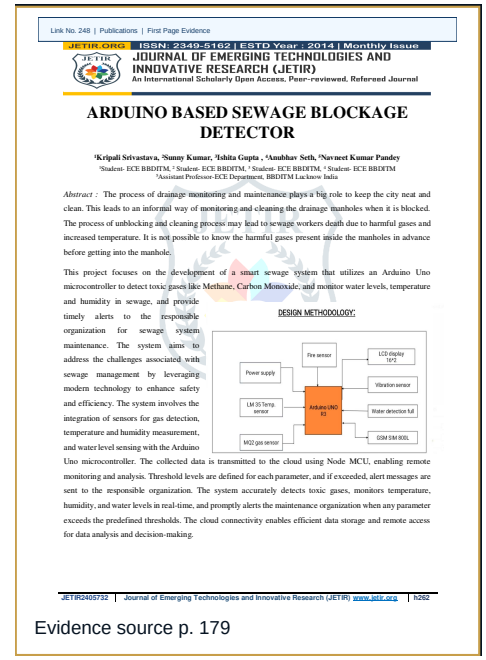
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Abstract : In recent years, the automatic ration vending machine using RFID card & BIOMETRIC analysis has become increasingly popular in many countries. The machine uses RFID &FINGER PRINT SENSOR to automatically identify and vend ration to the user. This paper presents the creation and execution of an automatic ration vending machine using RFID. The machine is designed to work with any type of ration and can be used in a variety of settings such as schools, hospitals, and office buildings. The machine is easy to use and can be operated by anyone. The machine is also very reliable and has a high degree of accuracy. The consumer must first hit the number of his or her own card before tagging the card. He may withdraw a certain amount of ration if the number that was pressed and the card information match. The consumer cannot withdraw the ration if he is still an illegal user on that card if the pressed number and the card data do not match. Thus, avoiding the illegal withdrawal of the ration from an unauthorized person. This study examines automated ration dispensing devices. The main goal of the automated ration vending machine is to prevent the massive financial waste that occurs with traditional ration distribution systems. In this approach, an RFID tag is utilized as an electronic ration in place of a card traditional ration card. To purchase ration from the dealer, the consumer must use his unique card in place of the regular ration card. The present system for Ration shops has many disadvantages. They have low processing speed. They have less man power, so the filling and the packing of products takes a lot of time. And some of the ration dealers weigh the products less compared to what was requested by the customer. This paper aims in providing an automatic filling machine which fills all the products requested by the customer, simultaneously, thus reducing the time consumed per customer. This machine works on the feedback of loadcell, which provides high weight accuracy, thus eliminating the risk for the customers getting cheated.

I. Introduction:

By digitizing India's largest network that is widely accessed by the people, the standard of the ration shops will be elevated and it will also create a gateway that allows for future development in the country. Now people are habituated to use internet and mobile, so let us make positive use of this habit for needy people. Under the Minimum Common Program of Government of India, the poor families in the State were provided 10 kg of food grains at half the rate 1st June, 1997. Later, the quantum was raised to 20 kg of food grains. Now quantum for BPL and APL beneficiaries has been enhanced to 35 kg and fixed 15 Kg. National Food Security Act, 2013 (NFSA) came into force from 1st February, 2014 in the State. As per the Act, beneficiaries are grouped into two groups. i.e. 1) Antyodaya 2) Priority House Hold. Antyodaya group beneficiaries are entitled to get 35 kg of food grains per card per month and PHH beneficiaries are entitled to get 5 Kg of food grains per person per month. This whole process is done manually due to which malpractices are involved in larger amount, due to which poor are suffered and also the g o v e r n m e n t. This corruption and illegal practices can be abandoned by terminating the classic method which involves customer to tell the person handling the ration shop outlet, the amount of the commodity he/she needs and the type too. The person working then measures the commodity and gives it to the customer. In our version of the system, we have developed an IOT based Embedded system where the consumer has to insert his Ration Card into machine and input the amount he/she requires and the system made will automatically

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JOURNAL OF EMERGING TECHNOLOGIES AND INNOVATIVE RESEARCH (JETIR)

An International Scholarly Open Access, Peer-reviewed, Refereed Journal

ARDUINO BASED SEWAGE BLOCKAGE DETECTOR

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Abstract : The process of drainage monitoring and maintenance plays a big role to keep the city neat and clean. This leads to an informal way of monitoring and cleaning the drainage manholes when it is blocked. The process of unblocking and cleaning process may lead to sewage workers death due to harmful gases and increased temperature. It is not possible to know the harmful gases present inside the manholes in advance before getting into the manhole.

This project focuses on the development of a smart sewage system that utilizes an Arduino Uno microcontroller to detect toxic gases like Methane, Carbon Monoxide, and monitor water levels, temperature and humidity in sewage, and provide timely alerts to the responsible organization for sewage system maintenance. The system aims to address the challenges associated with sewage management by leveraging modern technology to enhance safety and efficiency. The system involves the integration of sensors for gas detection, temperature and humidity measurement, and water level sensing with the Arduino Uno microcontroller. The collected data is transmitted to the cloud using Node MCU, enabling remote monitoring and analysis. Threshold levels are defined for each parameter, and if exceeded, alert messages are sent to the responsible organization. The system accurately detects toxic gases, monitors temperature, humidity, and water levels in real-time, and promptly alerts the maintenance organization when any parameter exceeds the predefined thresholds. The cloud connectivity enables efficient data storage and remote access for data analysis and decision-making.

DESIGN METHODOLOGY:

Evidence source p. 179

PUBLICATIONS - FIRST-PAGE EVIDENCE

Vehicle's Exhaust Smoke And Noise Detetction

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***Abstract*— In recent years, automatic vehicle monitoring has become a crucial situation that can be made achievable by using the following technology. Environmental awareness was given prominence at the start of the twenty-first century. One of the primary issues with the Air pollution and Noise pollution is degraded environment. This undertaking involves the creation of an innovative intelligent system accompanied by an enhanced mechanism through IoT and sensors. Users can conveniently regulate and oversee the system through web-based interfaces or a HTML web page interface. The principle aim of this project is to devise a cost-effective smoke and noise detection system for vehicles, thereby guaranteeing an improved quality of life for individuals and their families, providing a clear and clean Environment.**

Keywords— smoke and noise detection , web-based interface, Arduino Bluetooth Control, IoT, sensors.

I. INTRODUCTION

The primary focus of this research project revolves around the implementation of a robust smart air and noise pollution by vehicles exhaust . In the modern era, combination of several sensor types are used to determine the vehicle's exhaust carbon content levels. Dangerous and toxic vehicle exhaust carbon content , such as HC, CO, and NO, needs to be controlled to reduce air pollution level. The vehicle exhaust content level can be measured by applying a combination of several sensors.
In this research, a tool to detect vehicle combustion system condition based on vehicle exhaust content level has been designed

[1]. vehicle exhaust smoke and noise detection using the Internet of Things is much more beneficial for some reasons

- Less installation cost.
- less equipments more accuracy
- Easy to control and access able to smartphones through web pages.

In this research paper, a cost-effective smart vehicle exhaust smoke and noise detection is presented to significantly the quality of human life.

Noise emanating from human activity has become a per vasive addition to natural soundscapes across the globeBarber and others 2010). Noise is a rising threat to remote areas due to growth in air travel, motorized recreation, and exurban sprawl (Miller 2008) Anthropogenic sounds can spread from their sources in distances and directions (e.g.,upslope) that many other human impacts cannot. Managingand protecting soundscapes in natural areas is an especially important issue for land and natural resource managers. Because of the potential impacts on wildlife and visitor experiences Previous research conducted by Barju [2] designed a detector system for motor vehicle exhaust gas using a MQ135 sensor which results were displayed on PC. Moreover, the study about measuring tool for CO, CO2 and hydrocarbon HC in vehicle exhaust has been done by Kosegeran et al. and Korhonen et.al [3-4]. Furthermore, a research related to effect of exhaust emission from gasoline vehicles like NOx, CO, CO2 and HC on pollution level in the metropolitan city had been investigated

The primary Objective of the system is to detect the vehicle's smoke and its noise which degrades the environment , the pollutants like NO, CO ,CO2 which degrades the environment through bicarbon particles and leads to a bad quality of air flow and also the noise which is being emitted form the exhaust (above 65DB) is conidered as noise pollution. this prototype measures both of it in an effective manner.

II. OBJECTIVE

The aim is to design a prototype that establishes wireless remote/mobile control over a network of system. The application is designed to run on an Android device connected through a HTML Web page connected to an Arduino which will detect the pollutants through Carbon sensor and high pitching noise through Noise sensor and will reflect the signals on a LED screen that Detected or Not detected. It will also reflect the same information on the web page which will be able to connect to any device through preferred wifi signals.

Evidence source p. 180

Waste Segregation Mechanism In Smart Dustbin

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Abstract -The ideology employed aims to promote sustainability by optimizing waste segregation and collection processes, reducing landfill usage, and encouraging recycling and waste reduction initiatives. The smart bin integrates multiple features, with its primary focus on garbage segregation. It comprises two compartments for separating dry and wet waste. Additionally, ultrasonic sensors enable the bin to open when approached, promoting hands-free and hygienic disposal. Reminders sent to the user's phone via a connected app prompt timely garbage disposal. This concept facilitates separate waste disposal, distinguishing between recyclable and non-recyclable waste. The smart bin offers an efficient and hygienic waste disposal and segregation system, ultimately contributing to waste optimization..

Index Terms - Smart Bins, Smart Cities, Waste Management, Smart Garbage Monitoring

I. INTRODUCTION

The inadequate waste collection infrastructure and inefficient sorting and recycling systems pose significant challenges in today's world. Disposing of solid waste in open areas or outskirts has led to the creation of large landfills, contributing to air and land pollution, as well as groundwater contamination. Moreover, this practice promotes the spread of hazardous diseases, posing risks to human health. With no reduction in waste production, manual sorting techniques alone cannot address the problem of excessive trash.

To tackle these issues, we propose the implementation of a Waste Segregation Mechanism within smart dustbins. This solution is cost-effective and streamlines the segregation of dry and wet waste. Each dustbin will feature two separate chambers for dry and wet waste respectively. Waste type identification will occur at the bin lid, with the waste then directed into the appropriate chamber. This automated segregation process eliminates the need for manual labor.
By integrating sorting capabilities, the bins will also be equipped with level sensors and GSM modules. The level sensor detects waste levels within the bin, triggering the GSM module to alert the municipal corporation when the bin is full and requires emptying. This proactive approach ensures timely waste management actions are taken by the relevant authorities, reducing dependency on manual interventions and enhancing overall efficiency in waste management practices.

II. LITERATURE SURVEY

Numerous research papers have explored waste management, often focusing on real-time monitoring of garbage levels in bins and assessing air quality within them. However, one crucial aspect consistently overlooked is the separation of dry and wet waste.

In [5], authors integrated GSM, force, and GPS sensors to provide real- time bin locations and assess garbage weight. However, this system may erroneously signal a full bin when weight thresholds are met, even if the bin isn't full. This could result in unnecessary alerts to authorities.

For example, in [6], researchers utilized ultrasonic sensors to measure garbage levels and MQ-4 gas sensors to detect methane, a common byproduct of waste decomposition. While methane detection is essential, other gases are also present, and the system lacks comprehensive measures to improve air quality. Moreover, the MQ-4 sensor's sensitivity to methane may lead to inaccurate readings, potentially undermining data reliability. Additionally, relying solely on Wi-Fi connectivity restricts bin usage to areas with Wi-Fi access and escalates costs.
Other studies, such as [7, 8], introduced elaborate systems involving ultrasonic and toxicity sensors, complemented by algorithms for bin monitoring. These systems aim to automate bin emptying based on track capacity and garbage levels, with users incentivized through rewards for waste disposal. However, the practicality of such systems is debatable. Identifying full trucks and managing RFID access for bin usage poses logistical challenges, rendering the system cumbersome and impractical.

Evidence source p. 181

Socioemotional Intelligence : A Valuable collection of Material from Indian Knowledge System

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Abstract

The purpose of this research paper is to critically examine the validity of the Indian knowledge system (IKS) and the use of indigenous resources in the teaching and learning process at different stages in order to foster socio-emotional intelligence.

The term "socioemotional intelligence" describes the capacity to identify, comprehend and regulate one's own feelings as well as those of others and to effectively relate to and understand them.

In the first section the definition and state of Socio-emotional Intelligence are covered in the first section of this paper and tried to cover the difficulties in putting into practice the efforts to teach Socio- emotional skill through education. The paper also provides a detailed explanation of teaching of Socio-emotional Intelligence with the help of references drawn from Bhagwat Gita and the Indian Epics- the Ramayana and Mahabharata.

The findings and conclusion, which are shown in the end, point to future directions for work and demonstrate the significant influence of IKS in curriculum in accordance with NEP2020's recommendations. This paper is a great tool for educators, legislators, and for whomare interested to encouraging people's overall growth via education.

Keywords: Indian Knowledge System (IKS), Socio-Emotional Intelligence, Empathy, Self-awareness, NEP2020,The Ramayana, The Mahabharata, The Bhaghvad Gita, Personality Development,emotional control.

Introduction

The term "socio-emotional intelligence" describes the capacity to identify, comprehend, and regulate one's own feelings as well as those of others in a variety of social settings. It entails having empathy and being conscious of, adept at navigating, and in control of one's own emotions. and empathy for other people's feelings. This kind of intelligence includes social awareness, empathy, self-control, self-awareness, and relationship

Evidence source p. 182

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HYBRID CONTROLLED ADVANCED DRONE

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ABSTRACT

This research paper presents the design and implementation of a Wi-Fi-controlled drone using the ESP32 microcontroller, eliminating the use of a traditional flight controller. Based on the open-source model from CircuitDigest, this project adapts and extends the design with additional features, including gesture-based navigation and a multi-mode mobile control interface. The goal is to reduce system complexity and cost while retaining control performance and functionality. The drone leverages direct PWM motor control, web-based interfaces, and onboard sensors to deliver stable and responsive flight, demonstrating its feasibility for low-budget educational and experimental uses.

Keywords: ESP32, Wi-Fi Drone, Gesture Control, Mobile Control, ESC, UAV

INTRODUCTON

Traditional drones depend heavily on dedicated flight controllers like Pixhawk or KK2 for stable flight and control, which adds to their complexity and cost. These controllers often require multiple peripheral components, specialized tuning, and advanced setup, which makes drone development less accessible for beginners and students. This project aims to simplify drone construction by using an ESP32 microcontroller as the main controller, removing the need for a separate flight board. Inspired by the project available on CircuitDigest, we implemented a lightweight, Wi-Fi-based drone controlled via a web app. Further enhancements include gesture control capabilities using an ESP32-CAM and mobile-based camera systems. By utilizing computer vision from mobile cameras for gesture recognition, the system allows more flexible and accessible control. This provides an innovative, cost-effective, and accessible solution for UAV enthusiasts and learners.

Evidence source p. 183

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Road Surface Analyser for Safety and Smoothness of Road

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ABSTRACT:

Road surface monitoring is essential for maintaining safe and efficient transportation infrastructure. This paper presents a cost-effective Road Surface Analyzer System that combines a robotic vehicle, an automated surface irregularity detection system, and a cloud-based web server for real-time road condition assessment. The robotic vehicle, controlled via Bluetooth, utilizes an Arduino Uno R3 with an L298N motor driver and 5V motors for mobility. The detection system employs an ESP32-CAM module (OV2640 camera), an ultrasonic sensor (HC-SR04), a vibration sensor (SW-420), and a GPS module (ES1-6M) to identify potholes, bumps, and other road anomalies. Detected irregularities are logged with timestamps, GPS coordinates, and captured images, stored in a Google Sheets database via an integrated web server. A dynamic dashboard visualizes this data on Google Maps, providing authorities with actionable insights, including resolved issue statistics via graphical analytics. Experimental results demonstrate 95.50% detection accuracy for road surface irregularities, validated through manual inspections. The system not only streamlines road maintenance but also enhances commuter safety by enabling timely repairs. This scalable, automated solution offers a practical approach to modern road infrastructure monitoring.

KEYWORDS: Road surface analysis, transportation safety, IoT, sensor technology, real-time monitoring

INTRODUCTION

Maintaining safe and smooth road surfaces is critical for transportation efficiency, accident prevention, and infrastructure longevity. Traditional road condition monitoring relies on manual inspections or expensive specialized vehicles, which are labor intensive, infrequent, and lack real-time data integration. With advancements in IoT, sensor networks, and cloud computing, automated solutions can now provide continuous, cost-effective road health assessments. This research proposes a Smart Road Surface Analyzer System that combines a robotic vehicle, multi-sensor detection modules, and a cloud-based web server to detect, log, and visualize road irregularities like potholes and bumps in real time. The system is divided into three integrated subsystems: Robotic Vehicle (Arduino-based Car) – A Bluetooth-controlled mobile platform equipped with motors and wheels, serving as the physical carrier for the detection system. Surface Irregularity Detection System (ESP32 & Sensors) – Utilizes an ultrasonic sensor to measure depth variations, a vibration sensor to detect bumps, and an ESP32-CAM to capture images of road defects. GPS tags each anomaly with precise location data. Web Server (Google Sheets, Drive, Maps Integration) – A centralized dashboard displays detected irregularities on Google Maps, logs metadata (time, coordinates, images) in Google Sheets, and tracks resolution progress via analytics.

SYSTEM COMPONENTS

Hardware Components:
1.Robotic Vehicle:

- Arduino Uno R3 (Controller)
- L298N Motor Driver
- 5V DC Motors
- HC-05 Bluetooth Module (Remote Control)

2. Detection System:

- ESP32-CAM (OV2640 Camera)
- Ultrasonic Sensor (HC-SR04)
- Vibration Sensor (SW-420)
- GPS Module (ES1-6M)

3. Power Supply:

- 3.7V Li-ion Battery

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System to Check the Healthiness of the Earthing System and Alert Staff in Case of Malfunction

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Abstract: This paper presents an IoT-based system for detecting faults in underground cable earthing using an ESP32 microcontroller unit and a soil moisture sensor. The system monitors soil moisture levels around the earthing rod to ensure proper conductivity. Variations in soil moisture can lead to earthing inefficiency, posing safety risks. Earth faults are not only by far the most frequent of all faults, but the fault currents may be limited in magnitude by the neutral earthing impedance, or by the earth contact resistance which makes detection challenging for conventional protection schemes. Currently, normal earth fault protection together with sensitive earth fault protection has been employed in both distribution networks to detect and clear earth faults. There have been incidences where earth fault detection has been extremely challenging as fault values drop significantly and the protective device does not have sensitivity to detect and isolate the faulty equipment. The earth resistance is detect by moisture of earth using moisture sensor Real-time data acquisition, wireless transmission, and alerts help in preventive maintenance of earthing systems, particularly in rural or inaccessible areas. Experimental results show that this system is reliable, low- cost, and scalable for smart grid applications.

Index Terms- - Soil Moisture Sensor, ESP32 MCU, Underground Earthing, LCD Display, IoT, Wireless Monitoring.

I. INTRODUCTION

Proper grounding is a fundamental requirement in electrical systems, playing a crucial role in ensuring user safety, protecting equipment, and maintaining system reliability. An effective earthing system relies heavily on the conductivity of the surrounding soil, which in turn is influenced by its moisture content. As soil conditions change due to environmental factors such as temperature, rainfall, or seasonal variation, the grounding resistance can increase, potentially leading to hazardous situations such as voltage instability, electrical shocks, or equipment malfunction. Traditionally, the condition of earthing systems has been evaluated through manual inspections and periodic testing, which are labor-intensive and may not provide timely insights into the system's health. With the advent of Internet of Things (IoT) technology, there is now a significant opportunity to automate and enhance the monitoring of critical infrastructure. This research introduces a Smart Underground Earthing System that employs a soil moisture sensor to continuously monitor the water content in the soil around an earthing installation. The data is processed by an ESP32 microcontroller and displayed in real-time on an LCD screen, while also being transmitted wirelessly to a mobile device for remote access. This approach provides a cost- effective, real-time, and scalable solution to maintain optimal earthing conditions and improve overall electrical safety.

System Design and Architecture
Components Used

- ESP32 Microcontroller
- Soil Moisture Sensor
- Wi-Fi Connectivity
- Power Source (Battery/USB)
- Mobile device (for notifications)
- Current Sensor (ACS712)
- Voltage Sensor (ZMPT101B)



Figure 1: Block Diagram

Working Principle

- The soil moisture sensor is embedded underground near pipelines or electrical cables.
- When a leakage occurs, moisture levels in the soil change significantly.

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PUBLICATIONS - FIRST-PAGE EVIDENCE



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Materials Science-Poland

Cyclic oxidation of 304L and 316L stainless steel coated and uncoated with Cr_3C_2–NiCr at elevated temperatures

Research Article

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Abstract: Failure of the boiler, gas turbine, incinerator, and other power-producing machines is mainly caused by the metals' oxidation and alloys at high temperature service environment. It is a common practice to apply thermal barrier coating to increase the resistance to oxidation of metal alloys when subjected to high temperatures. In the current research, an effort has been made to apply a coating of Cr_3C_2–NiCr using the detonation gun (D-gun) technique on stainless steel (SS) 304L and SS 316L. The characteristics of coatings have been studied at 750 and 850°C. A cyclic oxidation process was carried out in a muffle furnace for 50 cycles. For each cycle, 304L and 316L SS, both bare and coated, are heated for 1 h in a muffle furnace and cooled for 20 min in ambient air. Under the investigated conditions, the Cr_3C_2–NiCr coating sprayed with a D-gun exhibited outstanding adhesion to the substrate alloy. A weight change/area versus the number of cycles plot has been drawn to understand the kinetics of oxidation. SS 304L coating has shown approximately 28.54 and 23.93% improvement in oxidation resistance at 850 and 750°C, respectively. For SS, 316L coating has shown approximately 27.67 and 25.92% improvement in the oxidation resistance, respectively, at 850 and 750°C. The oxide-scale-penetrated Cr_2O_3 phase demonstrated notable resistance to oxidation throughout the 50 cycles of cyclic oxidation at 750 and 850°C. The weight change/area of bare 304L has much better oxidation resistance than 304L at both temperatures of 750 and 850°C. The application of such coatings at high temperatures may reduce the formation of oxide scale which attacks and corrodes exhaust valves, turbocharger nozzles, and blade.

Keywords: *Detonation gun • Oxidation • Cr_3C_2–NiCr • SS • Coating*

1. Introduction

The factors primarily responsible for the deterioration of parts of boilers, industrial waste incinerators, and hot areas of gas turbines include oxidation at high temperatures, hot corrosion, and erosion. WC–Co and HVOF sprayed Cr_3C_2–NiCr coatings have been the subject of extensive research regarding their wear-resistance behaviour. However, there is a growing interest in using these coatings to shield against corrosion caused by high temperatures [1]. Thermal spray coatings, like those made of tungsten or chromium carbide, offer a different option to chromium plating when strong wear resistance is needed. Superior corrosion and oxidation resistance are demonstrated by Cr_3C_2–NiCr coatings at 900°C [2]. These coatings also have outstanding hardness, strength, and wear resistance, as well as a high melting point [3]. The thermal spraying technique known as detonation gun (D-gun) spray coating offers surfaces with

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Smart Wearable for Mountaineers

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A B S T R A C T

Mountain climbing in remote regions poses serious risks due to harsh environmental conditions and limited communication access. To address this, we propose a compact, wearable safety device designed to monitor external conditions and assist in emergencies. The system, built using two Arduino Uno boards, integrates ambient sensing and wireless communication to transmit alerts over long distances. It includes a DHT11 sensor for ambient temperature, BMP280 for pressure and altitude, MPU6050 for fall detection, and a NEO-7M GPS module for real-time location tracking. A 16x2 LCD provides live data feedback, while a panic button enables manual SOS transmission. Fall detection triggers automatic alerts, whereas manual intervention is also supported for distress signalling. Communication between the wearable and base station is handled via LoRa Ra-02 modules for reliable long-range data transfer. This low-cost, rugged solution is ideal for climbers, trekkers, and rescue teams, enhancing safety and enabling quicker response in isolated environments where time is critical.

Keywords: Arduino Uno , Lora RA02 , NEO 7M GPS , SOS ALERT

I. INTRODUCTION

Mountain climbing demands not only physical endurance but also readiness for sudden environmental changes and unpredictable accidents. Climbers often navigate remote terrains where temperature drops, low air pressure, and isolation can turn minor issues into life-threatening emergencies. Traditional wearables and mobile communication devices frequently fall short due to limited range, battery constraints, or fragile design.To address these challenges, this project introduces a microcontroller-based wearable safety system tailored for mountain climbers and remote explorers. The system is lightweight, durable, and capable of monitoring critical ambient parameters while offering emergency communication capabilities. Built around two Arduino Uno boards—one on the wearable unit and one at the receiver end—it enables real-time sensing and long-distance communication using LoRa Ra-02 modules.The wearable monitors ambient temperature (DHT11), pressure and altitude (BMP280), and movement (MPU6050 for fall detection). A NEO-7M GPS module tracks the climber's location, while a 16x2 LCD displays live data. A panic button allows the user to send a manual SOS alert with GPS coordinates, while the MPU6050 can detect sudden falls and trigger automatic alerts.

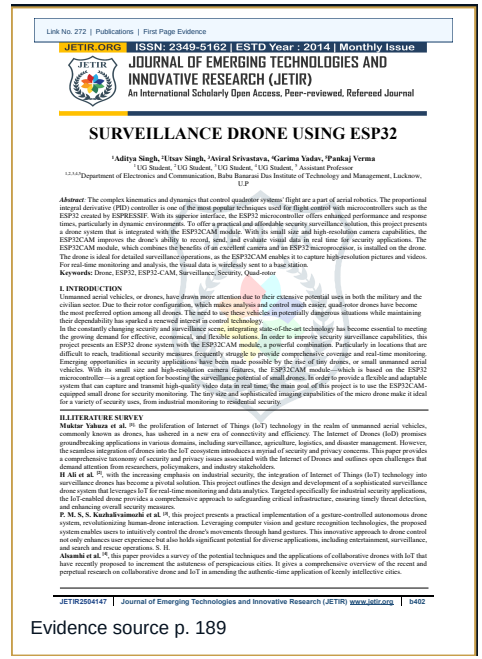
This project aims to strike a balance between simplicity, reliability, and effectiveness—ensuring that even in disconnected, rugged regions, climbers have a safety net that communicates vital information when it matters most.

1.1 Components

Table 1 - Components

S.NO	NAME	QUANTITY
1.	Arduino Uno	2
2.	LORA RA02	2
3.	BMP280	1
4.	MPU6050	1
5.	NEO7M GPS	1

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SURVEILLANCE DRONE USING ESP32

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Abstract: The complex kinematics and dynamics that control quadrotor systems' flight are a part of aerial robotics. The proportional integral derivative (PID) controller is one of the most popular techniques used for flight control with microcontrollers such as the ESP32 created by ESPRESSIF. With its superior interface, the ESP32 microcontroller offers enhanced performance and response times, particularly in dynamic environments. To offer a practical and affordable security surveillance solution, this project presents a drone system that is integrated with the ESP32CAM module. With its small size and high-resolution camera capabilities, the ESP32CAM improves the drone's ability to record, send, and evaluate visual data in real time for security applications. The ESP32CAM module, which combines the benefits of an excellent camera and an ESP32 microprocessor, is installed on the drone. The drone is ideal for detailed surveillance operations, as the ESP32CAM enables it to capture high-resolution pictures and videos. For real-time monitoring and analysis, the visual data is wirelessly sent to a base station.

Keywords: Drone, ESP32, ESP32-CAM, Surveillance, Security, Quad-rotor

I. INTRODUCTION

Unmanned aerial vehicles, or drones, have drawn more attention due to their extensive potential uses in both the military and the civilian sector. Due to their rotor configuration, which makes analysis and control much easier, quad-rotor drones have become the most preferred option among all drones. The need to use these vehicles in potentially dangerous situations while maintaining their dependability has sparked a renewed interest in control technology.

In the constantly changing security and surveillance scene, integrating state-of-the-art technology has become essential to meeting the growing demand for effective, economical, and flexible solutions. In order to improve security surveillance capabilities, this project presents an ESP32 drone system with the ESP32CAM module, a powerful combination. Particularly in locations that are difficult to reach, traditional security measures frequently struggle to provide comprehensive coverage and real-time monitoring. Emerging opportunities in security applications have been made possible by the rise of tiny drones, or small unmanned aerial vehicles. With its small size and high-resolution camera features, the ESP32CAM module—which is based on the ESP32 microcontroller—is a great option for boosting the surveillance potential of small drones. In order to provide a flexible and adaptable system that can capture and transmit high-quality video data in real time, the main goal of this project is to use the ESP32CAM-equipped small drone for security monitoring. The tiny size and sophisticated imaging capabilities of the micro drone make it ideal for a variety of security uses, from industrial monitoring to residential security.

II.LITERATURE SURVEY

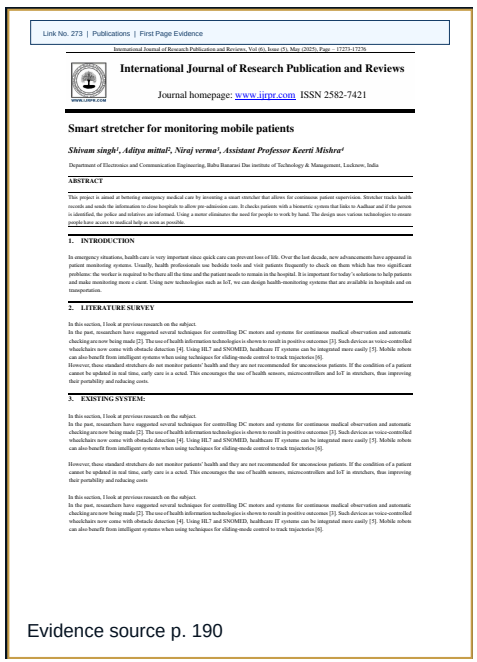
Muktar Yahaza et al. [9]: the proliferation of Internet of Things (IoT) technology in the realm of unmanned aerial vehicles, commonly known as drones, has ushered in a new era of connectivity and efficiency. The Internet of Drones (IoD) promises groundbreaking applications in various domains, including surveillance, agriculture, logistics, and disaster management. However, the seamless integration of drones into the IoT ecosystem introduces a myriad of security and privacy concerns. This paper provides a comprehensive taxonomy of security and privacy issues associated with the Internet of Drones and outlines open challenges that demand attention from researchers, policymakers, and industry stakeholders.

H Ali et al. [10]: with the increasing emphasis on industrial security, the integration of Internet of Things (IoT) technology into surveillance drones has become a pivotal solution. This project outlines the design and development of a sophisticated surveillance drone system that leverages IoT for real-time monitoring and data analytics. Targeted specifically for industrial security applications, the IoT-enabled drone provides a comprehensive approach to safeguarding critical infrastructure, ensuring timely threat detection, and enhancing overall security measures.

P. M. S, S. Kushalvainashi et al. [9], this project presents a practical implementation of a gesture-controlled autonomous drone system, revolutionizing human-drone interaction. Leveraging computer vision and gesture recognition technologies, the proposed system enables users to intuitively control the drone's movements through hand gestures. This innovative approach to drone control not only enhances user experience but also holds significant potential for diverse applications, including entertainment, surveillance, and search and rescue operations. S. H.

Alsamhi et al. [9], this paper provides a survey of the potential techniques and the applications of collaborative drones with IoT that have recently proposed to increment the astuteness of perspicacious cities. It gives a comprehensive overview of the recent and perpetual research on collaborative drone and IoT in amending the authentic-time application of keenly intellective cities.

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Smart stretcher for monitoring mobile patients

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ABSTRACT

This project is aimed at bettering emergency medical care by inventing a smart stretcher that allows for continuous patient supervision. Stretcher tracks health records and sends the information to close hospitals to allow pre-admission care. It checks patients with a biometric system that links to Aadhaar and if the person is identified, the police and relatives are informed. Using a meter eliminates the need for people to work by hand. The design uses various technologies to ensure people have access to medical help as soon as possible.

1. INTRODUCTION

In emergency situations, health care is very important since quick care can prevent loss of life. Over the last decade, new advancements have appeared in patient monitoring technology. Usually, health professionals use bedside tools and visit patients frequently to check on them which has two significant problems: the worker is required to be there all the time and the patient needs to remain in the hospital. It is important for today's solutions to help patients and make monitoring more e cient. Using new technologies such as IoT, we can design health-monitoring systems that are available in hospitals and on transportation.

2. LITERATURE SURVEY

In this section, I look at previous research on the subject.
In the past, researchers have suggested several techniques for controlling DC motors and systems for continuous medical observation and automatic checking are now being made [2]. The use of health information technologies is shown to result in positive outcomes [3]. Such devices as voice-controlled wheelchairs now come with obstacle detection [4]. Using HL7 and SNOMED, healthcare IT systems can be integrated more easily [5]. Mobile robots can also benefit from intelligent systems when using techniques for sliding-mode control to track trajectories [6].
However, these standard stretchers do not monitor patients' health and they are not recommended for unconscious patients. If the condition of a patient cannot be updated in real time, early care is a acted. This encourages the use of health sensors, microcontrollers and IoT in stretchers, thus improving their portability and reducing costs.

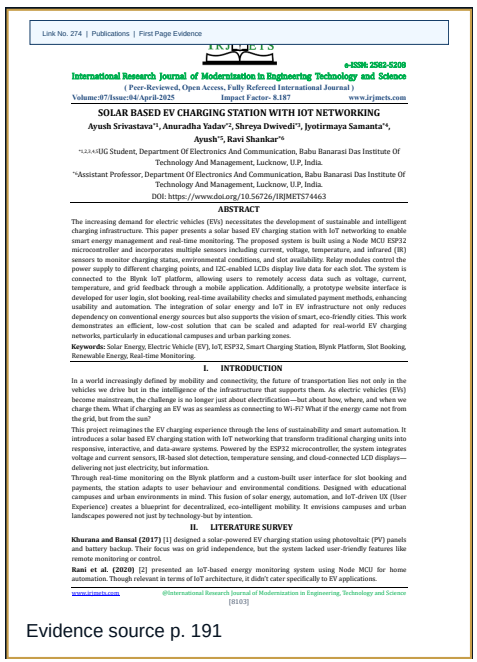
3. EXISTING SYSTEM:

In this section, I look at previous research on the subject.
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SOLAR BASED EV CHARGING STATION WITH IOT NETWORKING

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ABSTRACT

The increasing demand for electric vehicles (EVs) necessitates the development of sustainable and intelligent charging infrastructure. This paper presents a solar based EV charging station with IoT networking to enable smart energy management and real-time monitoring. The proposed system is built using a Node MCU ESP32 microcontroller and incorporates multiple sensors including current, voltage, temperature, and infrared (IR) sensors to monitor charging status, environmental conditions, and slot availability. Relay modules control the power supply to different charging points, and I2C-enabled LCDs display live data for each slot. The system is connected to the Blynk IoT platform, allowing users to remotely access data such as voltage, current, temperature, and grid feedback through a mobile application. Additionally, a prototype website interface is developed for user login, slot booking, real-time availability checks and simulated payment methods, enhancing usability and automation. The integration of solar energy and IoT in EV infrastructure not only reduces dependency on conventional energy sources but also supports the vision of smart, eco-friendly cities. This work demonstrates an efficient, low-cost solution that can be scaled and adapted for real-world EV charging networks, particularly in educational campuses and urban parking zones.

Keywords: Solar Energy, Electric Vehicle (EV), IoT, ESP32, Smart Charging Station, Blynk Platform, Slot Booking, Renewable Energy, Real-time Monitoring.

I. INTRODUCTION

In a world increasingly defined by mobility and connectivity, the future of transportation lies not only in the vehicles we drive but in the intelligence of the infrastructure that supports them. As electric vehicles (EVs) become mainstream, the challenge is no longer just about electrification—but about how, where, and when we charge them. What if charging an EV was as seamless as connecting to Wi-Fi? What if the energy came not from the grid, but from the sun?

This project reimagines the EV charging experience through the lens of sustainability and smart automation. It introduces a solar based EV charging station with IoT networking that transform traditional charging units into responsive, interactive, and data-aware systems. Powered by the ESP32 microcontroller, the system integrates voltage and current sensors, IR-based slot detection, temperature sensing, and cloud-connected LCD displays—delivering not just electricity, but information.

Through real-time monitoring on the Blynk platform and a custom-built user interface for slot booking and payments, the station adapts to user behaviour and environmental conditions. Designed with educational campuses and urban environments in mind. This fusion of solar energy, automation, and IoT-driven UX (User Experience) creates a blueprint for decentralized, eco-intelligent mobility. It envisions campuses and urban landscapes powered not just by technology-but by intention.

II. LITERATURE SURVEY

Khurana and Bansal (2017) [1] designed a solar-powered EV charging station using photovoltaic (PV) panels and battery backup. Their focus was on grid independence, but the system lacked user-friendly features like remote monitoring or control.

Rani et al. (2020) [2] presented an IoT-based energy monitoring system using Node MCU for home automation. Though relevant in terms of IoT architecture, it didn't cater specifically to EV applications.

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Res. J. Chem. Environ.

Synthesis, Characterization and Antimicrobial Activity of Novel 2H-oxazinyl-thiazolidinone-4 and 2H-oxazinyl-3(4H))-4-methylbenzo[h] quinolinone-2(1H)Derivatives

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Abstract

The synthesis of effective biomaterial works as antimicrobial agent. A series of -thiazolidin-4-one and -oxoazetidin-2-yl- derivatives were easily obtained commencing from α-naphthol and ethyl acetoacetate to form coumarin and then converted into -quinolin-2(1H)-one using hydrazine hydrate followed by subsequent reaction of quinolin-2(1H)-one and p-hydroxy benzaldehyde oxazine-6-carbaldehyde Thereafter carbaldehyde and aromatic primary amine were condensed from imines.

Final cyclized derivatives were achieved by the reaction of amine with thioglycolic acid and chloroacetyl chloride. The structure elucidation of all the novel derivatives was accomplished through PMR, Mass and IR studies. The antimicrobial activity was assessed in vitro by serial dilution method. The activity of 5(b,d,g) and 6(b,f,g)derivatives showed noticeable antimicrobial activity against the tested microbes.

Keywords: Ethyl acetoacetate, thioglycollic acid, chloroacetyl chloride, pyridine, hydrazine hydrate, toluene, primary, aromatic amine.

Introduction

The thiazolidine -4-one moiety is utilized as excellent pharmacophoric scaffold for various chemotherapeutic agents such as anti HIV, anti-proliferative, antifungal, antimicrobial, antihistaminic, analgesic, antitubercular, antioxidant, cytotoxic etc. The thiazolidinones are the saturated variety of thiazole with the sulphur positioned at number 1, nitrogen positioned at number 3 and a carbonyl group at 2,4, or 5[1]. They also display antidiarrheal, anticonvulsant, anti-diabetic and antiplatelet activating factor. The 4 thiazolidinones are extensively employed as chemical fertilizer for increasing the crop yields. Their variants are utilized to eliminate the pests. The 4 amino antipyrine also depicts antimicrobial and anti-inflammatory properties besides inhibiting the mild steel corrosion in HCl solution.

Gram- +ve, Gram- -ve and anaerobic bacteria can all be successfully deal with β-lactam antibiotics, which have been found to have a wide range spectrum of activity. β-lactam antibiotics have also been known to controlled urinary tract infections (UTIs), sinusitis, pneumonia, pharyngitis and soft tissues, skin, bloodstream infections. Penicillins, cephalosporins, carbapenems and monobactams are the four types of β-lactam antibiotics, which are distinguished by their four-membered azetidinone ring. The enzymes known as bacterial cell wall transpeptidases, which crosslink cell wall pentapeptides during peptidoglycan production, are the target of these antibiotics.

The synthesis of heterocyclic derivatives has long piqued the interest area for researchers because of their significant antimicrobial activity. Because of their moderate toxicity[2], β-lactam derivatives, which are distinguished by the presence of a 4-membered azetidinone ring[3], have demonstrated various medical applications. Antimicrobial,antimalarial[4,5], antifungal[6], antidiabetic[7], antitubercular[8], anticancer[9], antiparkinsonian[10], anti-HIV[11] and antitumor[12] medicines are among the many medications in this family that are still widely used[3]. In any case, the widespread use of these drugs has led to the production of several β-lactamases (β-Lases) by the bacteria[13].

Oxazines moieties have been the pillars in the theoretical development of heterocyclic chemistry[14-16]. They have immense deployment in the organic synthesis. Since the advancement of antibiotic resistance is on the rise, the search for new and powerful drug scaffolds is inevitable. Benzo 1,3 oxazine moieties have depicted some interesting biological activities such as antirheumatic, antianginal, antihypertensive, cytotoxic and antiosteoclastic bone resorption phenomenon[17-19].

Efavirenz, a medication that contains trifluromethyl-1-oxazin-2, is very efficient against HIV-1 mutant strains (20–21) because it functions as a non-nucleoside reverse transcriptase inhibitor. Another variant i.e. 1, 3 oxazine derivative acts as progesterone receptor agonist and hence is able to alter a number of metabolic pathways[20–26]. The oxazine compounds can be synthesized using a number of different pathways. They can be synthesized from anthranilic acid and its derivatives through ring closure achieved by acetic anhydride or chloro acetyl, succinic anhydride or by alkyl chloroacetate[24-26]. Another method of preparing the oxazine compounds is by taking amido salicylate which can undergo cyclization by utilizing different reagents like by using Vismeier HAAck reactions[24-26]. The enhancement of the activity of synthesized derivatives is due to presence of three

https://doi.org/10.25303/2912rjce046055

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PUBLICATIONS - FIRST-PAGE EVIDENCE



Link No. 277 | Publications | First Page Evidence

Research & Reviews: Journal of Physics

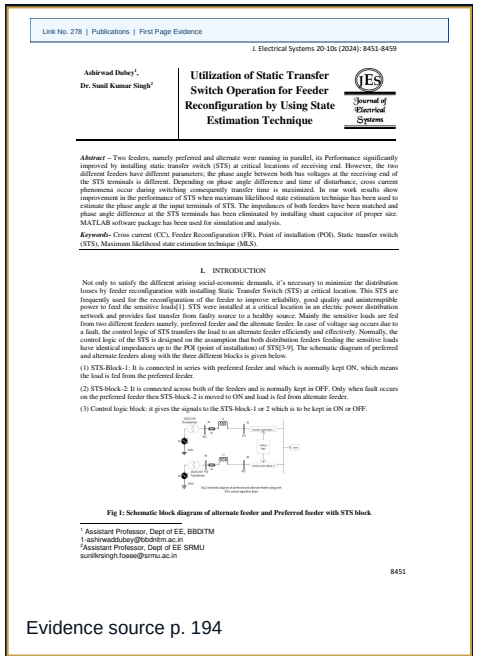
Unraveling Mixed Ionic-Electronic Conduction in Lithium-Substituted Rubidium Tetra Titanates via Dielectric Spectroscopy and EPR Analysis

Abstract

Keywords: Lithium substitution, $Rb_{1-x}Li_xTi_4O_9$, EPR spectroscopy, dielectric properties, AC conductivity

INTRODUCTION

Evidence source p. 193



Link No. 278 | Publications | First Page Evidence

J. Electrical Systems 20-10s (2024): 8451-8459

Utilization of Static Transfer Switch Operation for Feeder Reconfiguration by Using State Estimation Technique

Ashirwad Dubey[1], Dr. Sunil Kumar Singh[2]

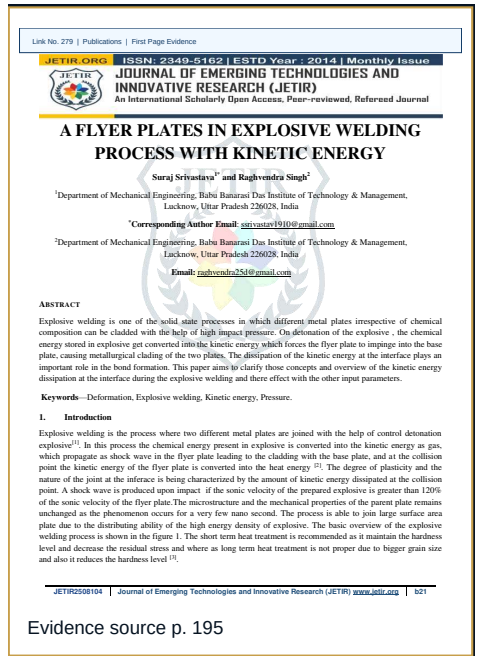
Abstract – Two feeders, namely preferred and alternate were running in parallel, its Performance significantly improved by installing static transfer switch (STS) at critical locations of receiving end. However, the two different feeders have different parameters; the phase angle between both bus voltages at the receiving end of the STS terminals is different. Depending on phase angle difference and time of disturbance, cross current phenomena occur during switching consequently transfer time is maximized. In our work results show improvement in the performance of STS when maximum likelihood state estimation technique has been used to estimate the phase angle at the input terminals of STS. The impedances of both feeders have been matched and phase angle difference at the STS terminals has been eliminated by installing shunt capacitor of proper size. MATLAB software package has been used for simulation and analysis.

Keywords– Cross current (CC), Feeder Reconfiguration (FR), Point of installation (POI), Static transfer switch (STS), Maximum likelihood state estimation technique (MLS).

I. INTRODUCTION

Fig 1: Schematic block diagram of alternate feeder and Preferred feeder with STS block

Evidence source p. 194



Link No. 279 | Publications | First Page Evidence

JETIR.ORG | ISSN: 2349-5162 | ESTD Year : 2014 | Monthly Issue

JOURNAL OF EMERGING TECHNOLOGIES AND INNOVATIVE RESEARCH (JETIR)

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A FLYER PLATES IN EXPLOSIVE WELDING PROCESS WITH KINETIC ENERGY

Suraj Srivastava[1]* and Raghvendra Singh[2]

ABSTRACT

Keywords—Deformation, Explosive welding, Kinetic energy, Pressure.

1. Introduction

Evidence source p. 195



Link No. 287 | Publications | First Page Evidence

Energy Storage and Conversion 2026, 4(2), 4074. doi: https://doi.org/10.59400/esc4074

Article

Performance comparison of PI and AI-based controllers for solar PV-fed fast electric vehicle battery charging systems

Apoorva Srivastava*, Vikas Yadav, Vinit Yadav, Tarun Nayyar, Shailesh Kumar Yadav, Ayush Asthana

Electrical Engineering Department, Babu Banarasi Das Institute of Technology & Management, Lucknow 226028, India

* Corresponding author: Apoorva Srivastava, apoorva019@bbdnitm.ac.in

CITATION

ARTICLE INFO

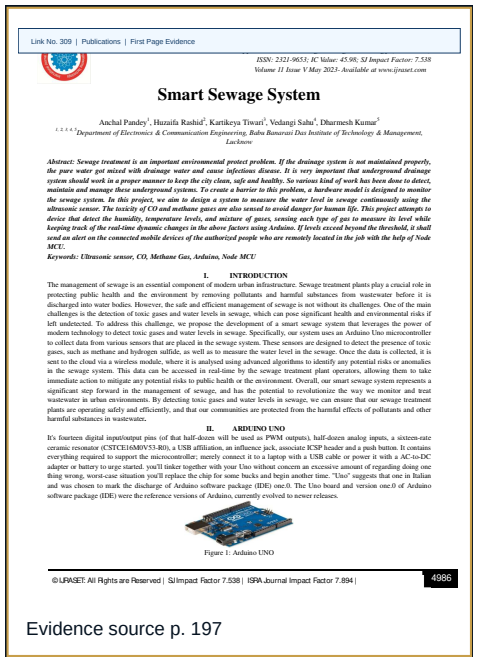
COPYRIGHT

Abstract: The rapid growth of electric vehicles (EVs) has created a strong demand for efficient and fast charging solutions. However, conventional charging methods are time-consuming and place significant stress on the power grid when deployed on large scale. To address these challenges, this study proposes a standalone solar photovoltaic (PV)-based DC microgrid for fast EV charging. The system is designed to regulate charging using a DC-DC boost converter controlled by two strategies: a conventional Proportional-Integral (PI) controller and an Artificial Neural Network (ANN)-based controller. A detailed simulation model is developed in MATLAB/Simulink, including PV system parameters, converter specifications, and a lithium-ion battery modeled using a Thevenin equivalent circuit. The ANN controller is trained using real-time operating conditions such as irradiance, temperature, and state of charge (SoC). Performance is evaluated based on transient response, overshoot, settling time, steady-state error, and total harmonic distortion (THD). Results show that the ANN controller significantly improves system performance. Voltage overshoot is reduced from 10% to 2%, current overshoot from 20% to 4%, and THD from 6.8% to 2.1%. Additionally, the settling time is improved by approximately 57% compared to the PI controller. These findings demonstrate that AI-based control strategies provide a more efficient, stable, and reliable solution for renewable energy-based EV charging systems. The ANN controller reduced voltage overshoot from 10% to 2%, current overshoot from 20% to 4%, and THD from 6.8% to 2.1%, while improving settling time by up to 57%.

Keywords: electric vehicles; fast charging; solar PV; artificial intelligence; PI controller; MATLAB/Simulink; DC microgrid

1. Introduction

Evidence source p. 196



Link No. 309 | Publications | First Page Evidence

ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor: 7.538
Volume 11 Issue V May 2023- Available at www.ijraset.com

Smart Sewage System

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Abstract: Sewage treatment is an important environmental protect problem. If the drainage system is not maintained properly, the pure water got mixed with drainage water and cause infectious disease. It is very important that underground drainage system should work in a proper manner to keep the city clean, safe and healthy. So various kind of work has been done to detect, maintain and manage these underground systems. To create a barrier to this problem, a hardware model is designed to monitor the sewage system. In this project, we aim to design a system to measure the water level in sewage continuously using the ultrasonic sensor. The toxicity of CO and methane gases are also sensed to avoid danger for human life. This project attempts to device that detect the humidity, temperature levels, and mixture of gases, sensing each type of gas to measure its level while keeping track of the real-time dynamic changes in the above factors using Arduino. If levels exceed beyond the threshold, it shall send an alert on the connected mobile devices of the authorized people who are remotely located in the job with the help of Node MCU.

Keywords: Ultrasonic sensor, CO, Methane Gas, Arduino, Node MCU

I. INTRODUCTION

II. ARDUINO UNO

Figure 1: Arduino UNO

Evidence source p. 197



Link No. 338 | Publications | First Page Evidence

Volume: 09 Issue: 05 | May - 2025 | SJIF Rating: 8.586 | ISSN: 2582-3930

A Generative Approach to Argument Structure Extraction

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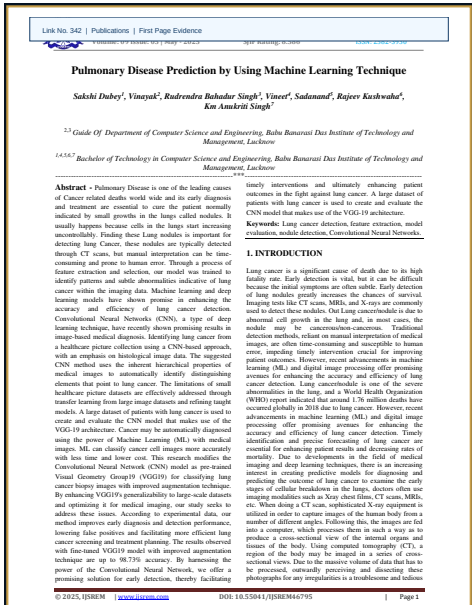
Abstract

Introduction

Keywords: Argument Mining, Text-to-Text Generation, T5

Evidence source p. 198

PUBLICATIONS - FIRST-PAGE EVIDENCE



Pulmonary Disease Prediction by Using Machine Learning Technique

Sakshi Dubey[1], Vinayak[2], Rudrendra Bahadur Singh[3], Vineet[4], Sadanand[5], Rajeev Kushwaha[6], Km Anukriti Singh[7]

[2,3] Guide Of Department of Computer Science and Engineering, Babu Banarasi Das Institute of Technology and Management, Lucknow

[1,4,5,6,7] Bachelor of Technology in Computer Science and Engineering, Babu Banarasi Das Institute of Technology and Management, Lucknow

Abstract - Pulmonary Disease is one of the leading causes of Cancer related deaths world wide and its early diagnosis and treatment are essential to cure the patient normally indicated by small growths in the lungs called nodules. It usually happens because cells in the lungs start increasing uncontrollably. Finding these Lung nodules is important for detecting lung Cancer, these nodules are typically detected through CT scans, but manual interpretation can be time-consuming and prone to human error. Through a process of feature extraction and selection, our model was trained to identify patterns and subtle abnormalities indicative of lung cancer within the imaging data. Machine learning and deep learning models have shown promise in enhancing the accuracy and efficiency of lung cancer detection. Convolutional Neural Networks (CNN), a type of deep learning technique, have recently shown promising results in image-based medical diagnosis. Identifying lung cancer from a healthcare picture collection using a CNN-based approach, with an emphasis on histological image data. The suggested CNN method uses the inherent hierarchical properties of medical images to automatically identify distinguishing elements that point to lung cancer. The limitations of small healthcare picture datasets are effectively addressed through transfer learning from large image datasets and refining taught models. A large dataset of patients with lung cancer is used to create and evaluate the CNN model that makes use of the VGG-19 architecture. Cancer may be automatically diagnosed using the power of Machine Learning (ML) with medical images. ML can classify cancer cell images more accurately with less time and lower cost. This research proposes a Convolutional Neural Network (CNN) model as pre-trained Visual Geometry Group19 (VGG19) for classifying lung cancer biopsy images with improved augmentation technique. By enhancing VGG19's generalizability to large-scale datasets and optimizing it for medical imaging, our study seeks to address these issues. According to experimental data, our method improves early diagnosis and detection performance, lowering false positives and facilitating more efficient lung cancer screening and treatment planning. The results observed with fine-tuned VGG19 model with improved augmentation technique are up to 98.73% accuracy. By harnessing the power of the Convolutional Neural Network, we offer a promising solution for early detection, thereby facilitating timely interventions and ultimately enhancing patient outcomes in the fight against lung cancer. A large dataset of patients with lung cancer is used to create and evaluate the CNN model that makes use of the VGG-19 architecture.

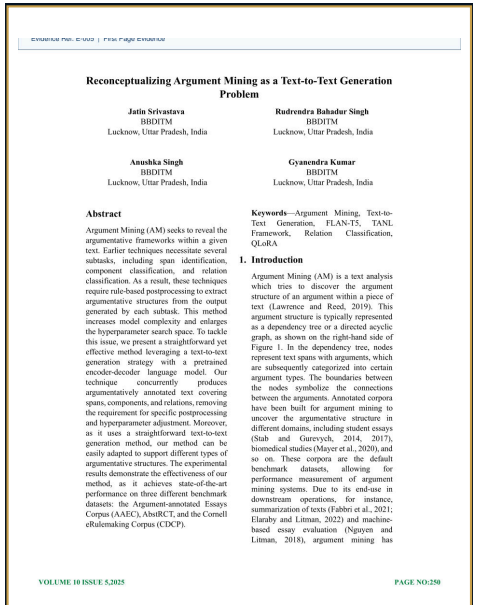
Keywords: Lung cancer detection, feature extraction, model evaluation, nodule detection, Convolutional Neural Networks.

1. INTRODUCTION

Lung cancer is a significant cause of death due to its high fatality rate. Early detection is vital, but it can be difficult because the initial symptoms are often subtle. Early detection of lung nodules greatly increases the chances of survival. Imaging tests like CT scans, MRIs, and X-rays are commonly used to detect these nodules. Out Lung cancer/nodule is due to abnormal cell growth in the lung and, in most cases, the nodule may be cancerous/non-cancerous. Traditional detection methods, reliant on manual interpretation of medical images, are often time-consuming and susceptible to human error, impeding timely intervention crucial for improving patient outcomes. However, recent advancements in machine learning (ML) and digital image processing offer promising avenues for enhancing the accuracy and efficiency of lung cancer detection. Timely identification and precise forecasting of lung cancer are essential for enhancing patient results and decreasing rates of mortality. Due to developments in the field of medical imaging and deep learning techniques, there is an increasing interest in creating predictive models for diagnosing and predicting the outcome of lung cancer to examine the early stages of cellular breakdown in the lungs, doctors often use imaging modalities such as Xray chest films, CT scans, MRIs, etc. When doing a CT scan, sophisticated X-ray equipment is utilized in order to capture images of the human body from a number of different angles. Following this, the images are fed into a computer, which processes them in such a way as to produce a cross-sectional view of the internal organs and tissues of the body. Using computed tomography (CT), a region of the body may be imaged in a series of cross-sectional views. Due to the massive volume of data that has to be processed, outwardly perceiving and dissecting these photographs for any irregularities is a troublesome and tedious

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Evidence source p. 199



Reconceptualizing Argument Mining as a Text-to-Text Generation Problem

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Gyanendra Kumar
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Lucknow, Uttar Pradesh, India

Abstract

Argument Mining (AM) seeks to reveal the argumentative frameworks within a given text. Earlier techniques necessitate several subtasks, including span identification, component classification, and relation classification. As a result, these techniques require rule-based postprocessing to extract argumentative structures from the output generated by each subtask. This method increases model complexity and enlarges the hyperparameter search space. To tackle this issue, we present a straightforward yet effective method leveraging a text-to-text generation strategy with a pretrained encoder-decoder language model. Our technique concurrently produces argumentatively annotated text covering spans, components, and relations, removing the requirement for specific postprocessing and hyperparameter adjustment. Moreover, as it uses a straightforward text-to-text generation method, our method can be easily adapted to support different types of argumentative structures. The experimental results demonstrate the effectiveness of our method, as it achieves state-of-the-art performance on three different benchmark datasets: the Argument-annotated Essays Corpus (AAEC), AbstRCT, and the Cornell eRulemaking Corpus (CDCP).

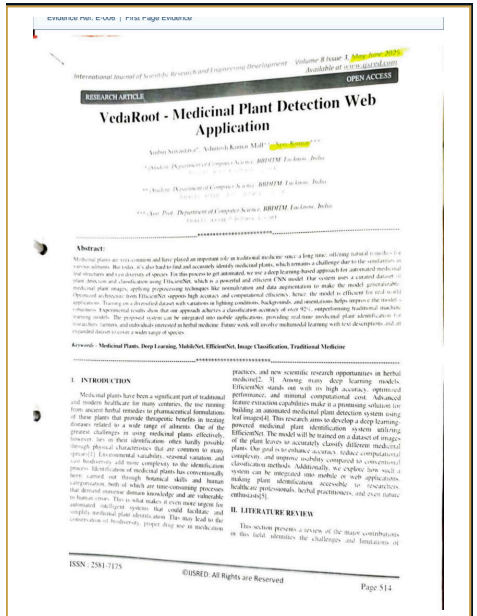
Keywords—Argument Mining, Text-to-Text Generation, FLAN-T5, TANL Framework, Relation Classification, QLoRA

1. Introduction

Argument Mining (AM) is a text analysis which tries to discover the argument structure of an argument within a piece of text (Lawrence and Reed, 2019). This argument structure is typically represented as a dependency tree or a directed acyclic graph, as shown on the right-hand side of Figure 1. In the dependency tree, nodes represent text spans with arguments, which are subsequently categorized into certain argument types. The boundaries between the nodes symbolize the connections between the arguments. Annotated corpora have been built for argument mining to uncover the argumentative structure in different domains, including student essays (Stab and Gurevych, 2014, 2017), biomedical studies (Mayer et al., 2020), and so on. These corpora are the default benchmark datasets, allowing for performance measurement of argument mining systems. Due to its end-use in downstream operations, for instance, summarization of texts (Fabbri et al., 2021; Elaraby and Litman, 2022) and machine-based essay evaluation (Nguyen and Litman, 2018), argument mining has

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Evidence source p. 209



International Journal of Scientific Research and Engineering Development-- Volume 8 Issue 3 May-June 2025
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OPEN ACCESS

RESEARCH ARTICLE

VedaRoot - Medicinal Plant Detection Web Application

Abstract:

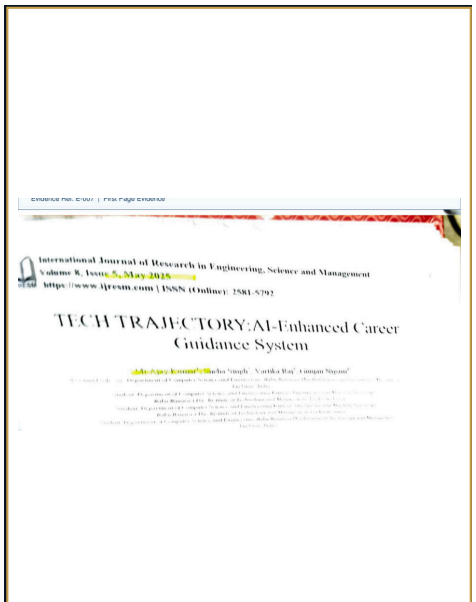
Keywords:- Medicinal Plants, Deep Learning, MobileNet, EfficientNet, Image Classification, Traditional Medicine

1. INTRODUCTION

II. LITERATURE REVIEW

ISSN : 2581-7175 ©IJSRED: All Rights are Reserved Page 514

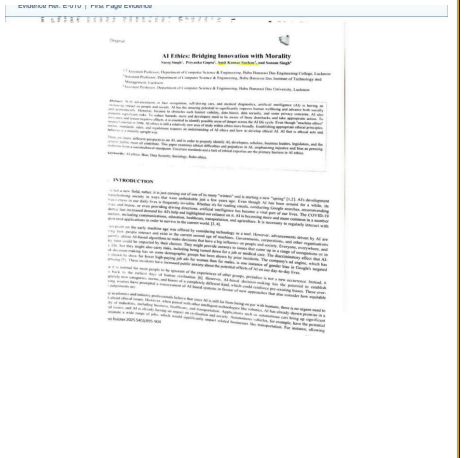
Evidence source p. 210



International Journal of Research in Engineering, Science and Management
Volume 8, Issue 5, May 2025
https://www.ijresm.com | ISSN (Online): 2581-5792

TECH TRAJECTORY: AI-Enhanced Career Guidance System

Evidence source p. 211



AI Ethics: Bridging Innovation with Morality

INTRODUCTION

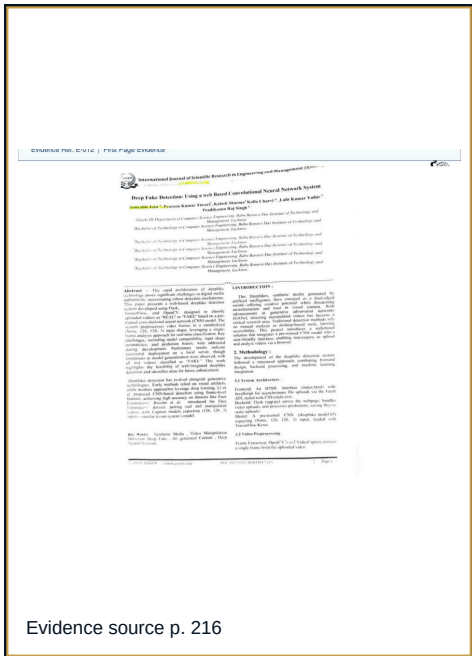
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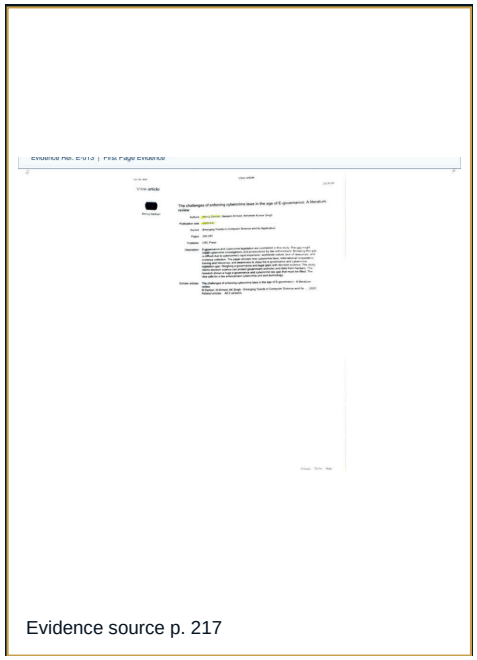
EduDevOps : The Ultimate CI/CD Corporate Dev- Project

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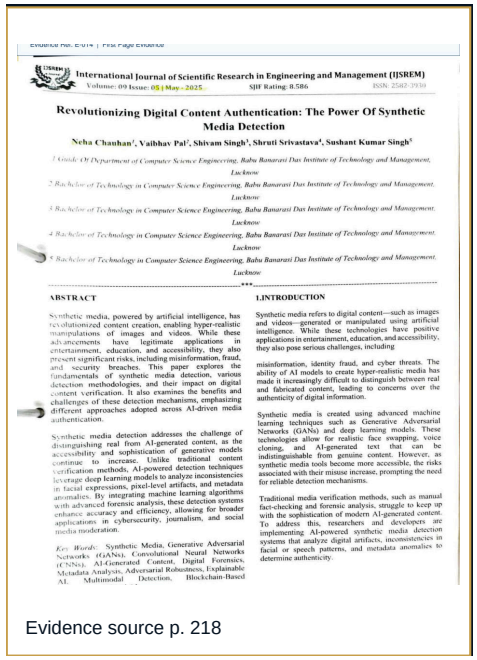
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International Journal of Scientific Research in Engineering and Management (IJSREM)
Volume: 09 Issue: 05 | May - 2025 SJIF Rating: 8.586 ISSN: 2582-3930

Revolutionizing Digital Content Authentication: The Power Of Synthetic Media Detection

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[2] Bachelor of Technology in Computer Science Engineering, Babu Banarasi Das Institute of Technology and Management, Lucknow

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ABSTRACT

Synthetic media, powered by artificial intelligence, has revolutionized content creation, enabling hyper-realistic manipulations of images and videos. While these advancements have legitimate applications in entertainment, education, and accessibility, they also present significant risks, including misinformation, fraud, and security breaches. This paper explores the fundamentals of synthetic media detection, various detection methodologies, and their impact on digital content verification. It also examines the benefits and challenges of these detection mechanisms, emphasizing different approaches adopted across AI-driven media authentication.

Synthetic media detection addresses the challenge of distinguishing real from AI-generated content, as the accessibility and sophistication of generative models continue to increase. Unlike traditional content verification methods, AI-powered detection techniques leverage deep learning models to analyze inconsistencies in facial expressions, pixel-level artifacts, and metadata anomalies. By integrating machine learning algorithms with advanced forensic analysis, these detection systems enhance accuracy and efficiency, allowing for broader applications in cybersecurity, journalism, and social media moderation.

Key Words: Synthetic Media, Generative Adversarial Networks (GANs), Convolutional Neural Networks (CNNs), AI-Generated Content, Digital Forensics, Metadata Analysis, Adversarial Robustness, Explainable AI, Multimodal Detection, Blockchain-Based

I.INTRODUCTION

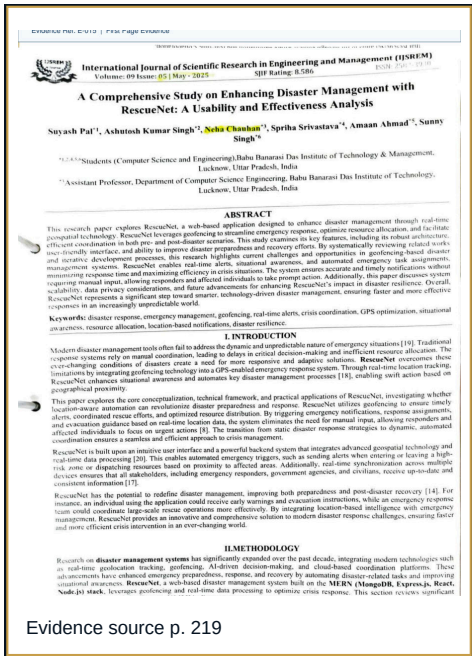
Synthetic media refers to digital content—such as images and videos—generated or manipulated using artificial intelligence. While these technologies have positive applications in entertainment, education, and accessibility, they also pose serious challenges, including

misinformation, identity fraud, and cyber threats. The ability of AI models to create hyper-realistic media has made it increasingly difficult to distinguish between real and fabricated content, leading to concerns over the authenticity of digital information.

Synthetic media is created using advanced machine learning techniques such as Generative Adversarial Networks (GANs) and deep learning models. These technologies allow for realistic face swapping, voice cloning, and AI-generated text that can be indistinguishable from genuine content. However, as synthetic media tools become more accessible, the risks associated with their misuse increase, prompting the need for reliable detection mechanisms.

Traditional media verification methods, such as manual fact-checking and forensic analysis, struggle to keep up with the sophistication of modern AI-generated content. To address this, researchers and developers are implementing AI-powered synthetic media detection systems that analyze digital artifacts, inconsistencies in facial or speech patterns, and metadata anomalies to determine authenticity.

Evidence source p. 218



International Journal of Scientific Research in Engineering and Management (IJSREM)
Volume: 09 Issue: 05 | May - 2025 SJIF Rating: 8.586

A Comprehensive Study on Enhancing Disaster Management with RescueNet: A Usability and Effectiveness Analysis

Suyash Pal[*1], Ashutosh Kumar Singh[*2], Neha Chauhan[*3], Spriha Srivastava[*4], Amaan Ahmad[*5], Sunny Singh[*6]

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[*6]Assistant Professor, Department of Computer Science Engineering, Babu Banarasi Das Institute of Technology, Lucknow, Uttar Pradesh, India

ABSTRACT

This research paper explores RescueNet, a web-based application designed to enhance disaster management through real-time geospatial technology. RescueNet leverages geofencing to streamline emergency response, optimize resource allocation, and facilitate efficient coordination in both pre- and post-disaster scenarios. This study examines its key features, including its robust architecture, user-friendly interface, and ability to improve disaster preparedness and recovery efforts. By systematically reviewing related works and iterative development processes, this research highlights current challenges and opportunities in geofencing-based disaster management systems. RescueNet enables real-time alerts, situational awareness, and automated emergency task assignments, minimizing response time and maximizing efficiency in crisis situations. The system ensures accurate and timely notifications without requiring manual input, allowing responders and affected individuals to take prompt action. Additionally, this paper discusses system scalability, data privacy considerations, and future advancements for enhancing RescueNet's impact in disaster resilience. Overall, RescueNet represents a significant step toward smarter, technology-driven disaster management, ensuring faster and more effective responses in an increasingly unpredictable world.

Keywords: disaster response, emergency management, geofencing, real-time alerts, crisis coordination, GPS optimization, situational awareness, resource allocation, location-based notifications, disaster resilience.

I. INTRODUCTION

Modern disaster management tools often fail to address the dynamic and unpredictable nature of emergency situations [19]. Traditional response systems rely on manual coordination, leading to delays in critical decision-making and inefficient resource allocation. The ever-changing conditions of disasters create a need for more responsive and adaptive solutions. **RescueNet** overcomes these limitations by integrating geofencing technology into a GPS-enabled emergency response system. Through real-time location tracking, RescueNet enhances situational awareness and automates key disaster management processes [18], enabling swift action based on geographical proximity.

This paper explores the core conceptualization, technical framework, and practical applications of RescueNet, investigating whether location-aware automation can revolutionize disaster preparedness and response. RescueNet utilizes geofencing to ensure timely alerts, coordinated rescue efforts, and optimized resource distribution. By triggering emergency notifications, response assignments, and evacuation guidance based on real-time location data, the system eliminates the need for manual input, allowing responders and affected individuals to focus on urgent actions [8]. The transition from static disaster response strategies to dynamic, automated coordination ensures a seamless and efficient approach to crisis management.

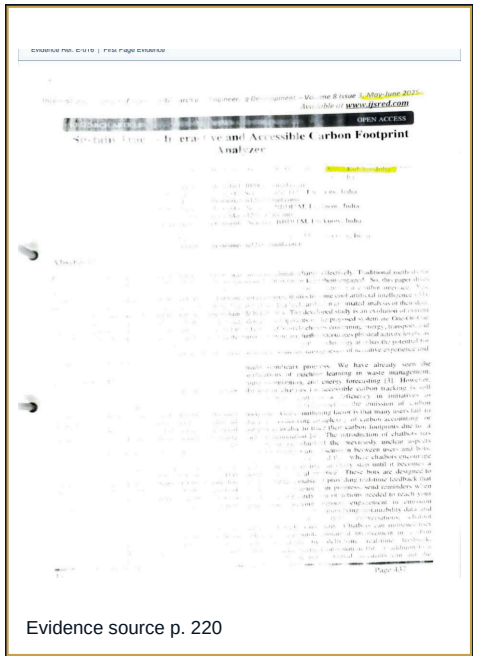
RescueNet is built upon an intuitive user interface and a powerful backend system that integrates advanced geospatial technology and real-time data processing [20]. This enables instantaneous emergency triggers, such as sending alerts when entering or leaving a high-risk zone or dispatching resources based on proximity to affected areas. Additionally, real-time synchronization across multiple devices ensures that all stakeholders, including emergency responders, government agencies, and civilians, receive up-to-date and consistent information [17].

RescueNet has the potential to redefine disaster management, improving both preparedness and post-disaster recovery [14]. For instance, an individual using the application could receive early warnings and evacuation instructions, while an emergency response team could coordinate large-scale rescue operations more effectively. By integrating location-based intelligence with emergency management, RescueNet provides an innovative and comprehensive solution to modern disaster response challenges, ensuring faster and more efficient crisis intervention in an ever-changing world.

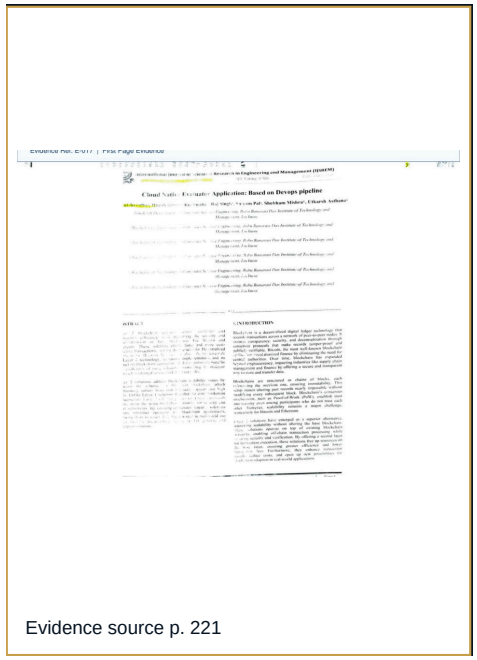
II.METHODOLOGY

Research on **disaster management systems** has significantly expanded over the past decade, integrating modern technologies such as real-time geolocation tracking, geofencing, AI-driven decision-making, and cloud-based coordination platforms. These advancements have enhanced emergency preparedness, response, and recovery by automating disaster-related tasks and improving situational awareness. **RescueNet**, a web-based disaster management system built on the **MERN (MongoDB, Express.js, React, Node.js) stack**, leverages geofencing and real-time data processing to optimize crisis response. This section reviews significant

Evidence source p. 219

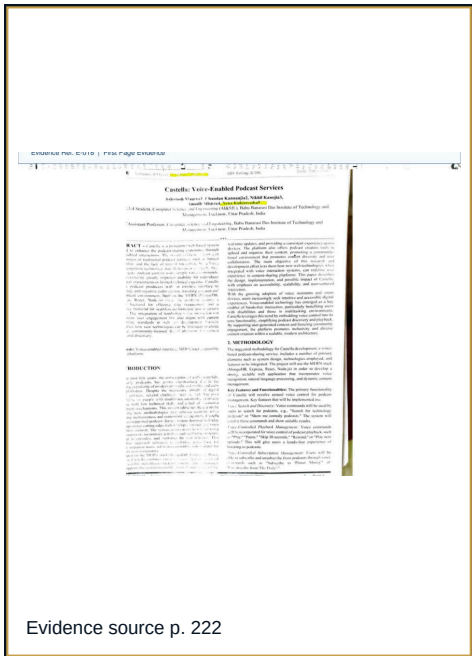


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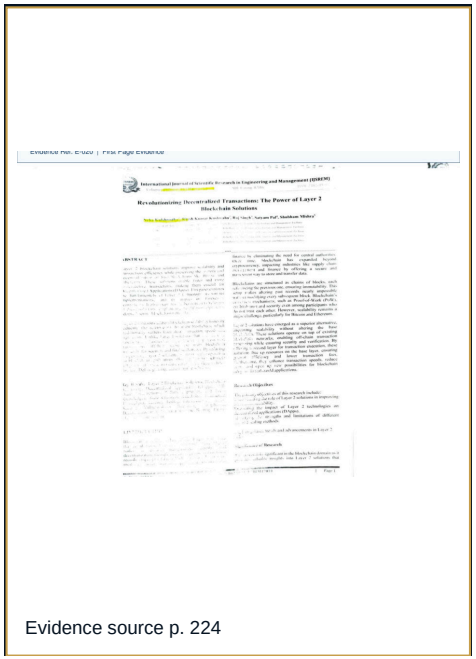


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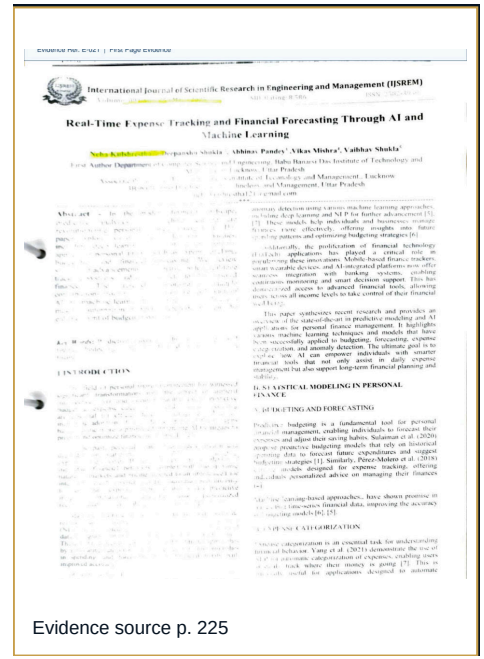
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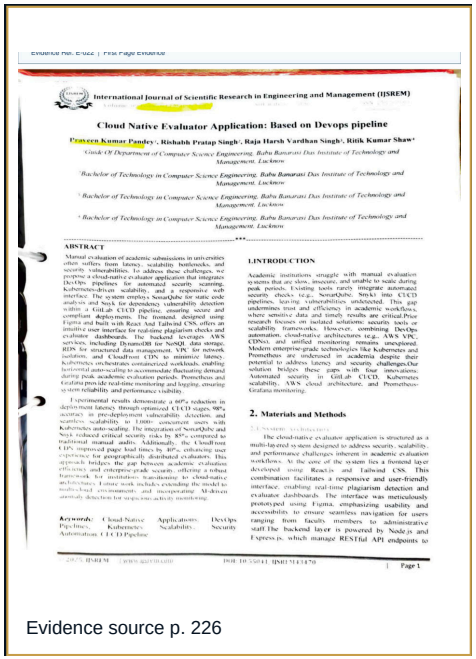
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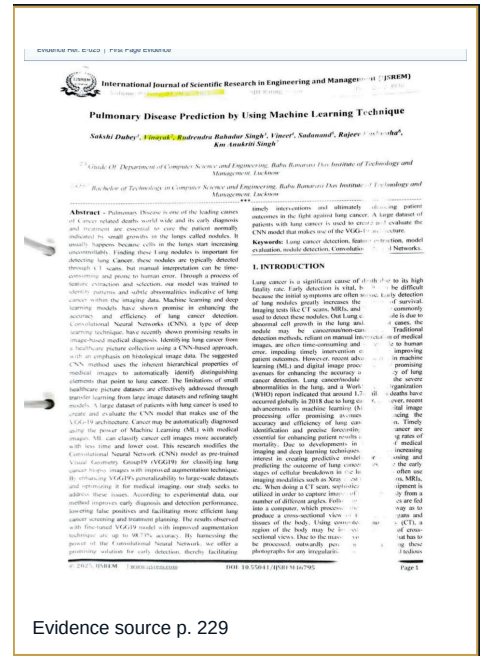
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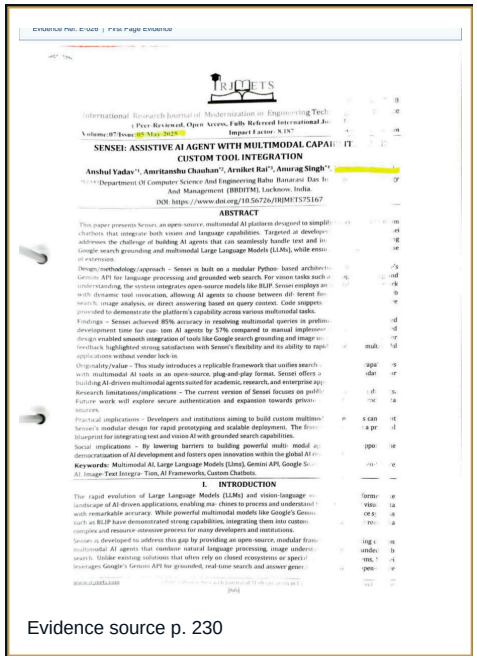


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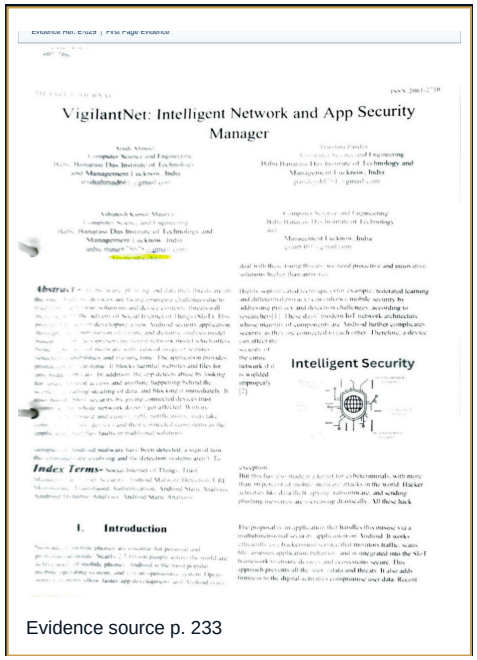
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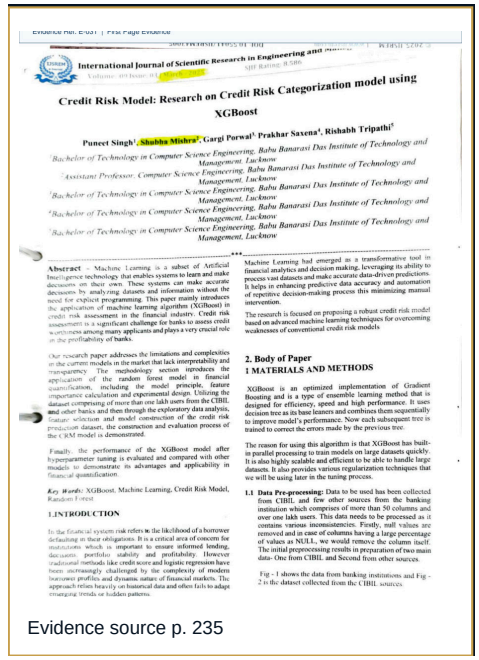
SENSEI: ASSISTIVE AI AGENT WITH MULTIMODAL CAPABILITIES AND CUSTOM TOOL INTEGRATION

Evidence source p. 230



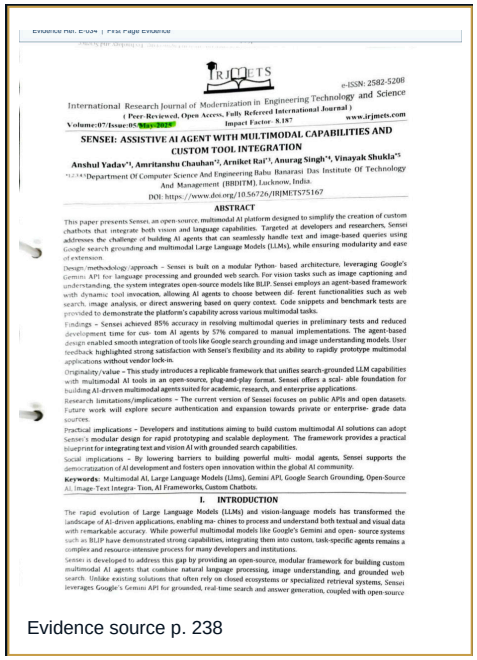
VigilantNet: Intelligent Network and App Security Manager

Evidence source p. 233



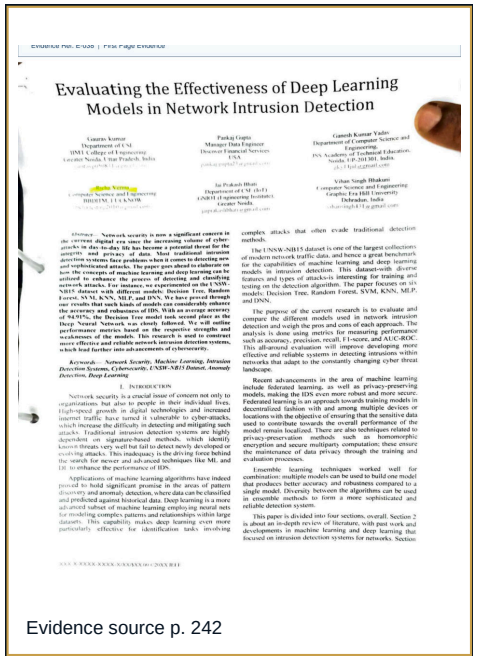
Credit Risk Model: Research on Credit Risk Categorization model using XGBoost

Evidence source p. 235



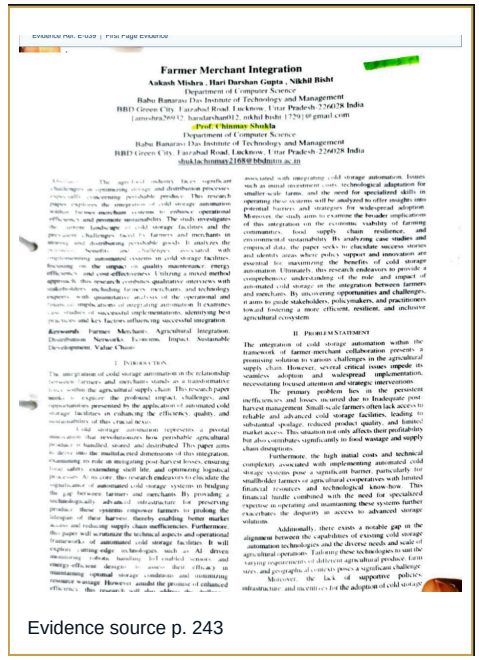
SENSEI: ASSISTIVE AI AGENT WITH MULTIMODAL CAPABILITIES AND CUSTOM TOOL INTEGRATION

Evidence source p. 238



Evaluating the Effectiveness of Deep Learning Models in Network Intrusion Detection

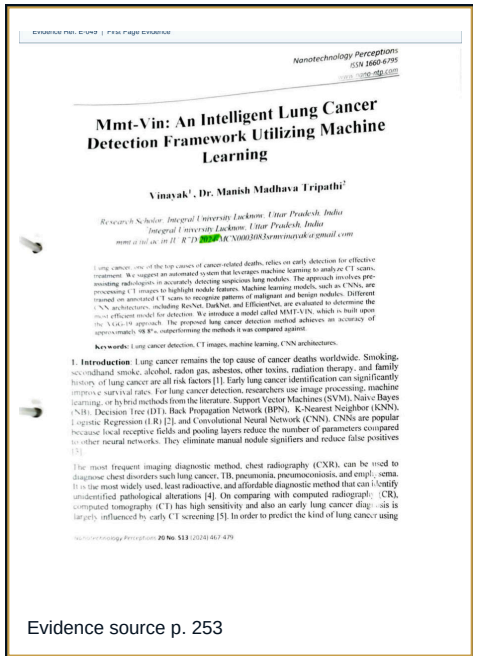
Evidence source p. 242



Farmer Merchant Integration

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Nanotechnology Perceptions
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Mmt-Vin: An Intelligent Lung Cancer Detection Framework Utilizing Machine Learning

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mmt a tiul.ac.in (U. P.) 2024, ORCID 0000-0003-3xx vinayak@gmail.com

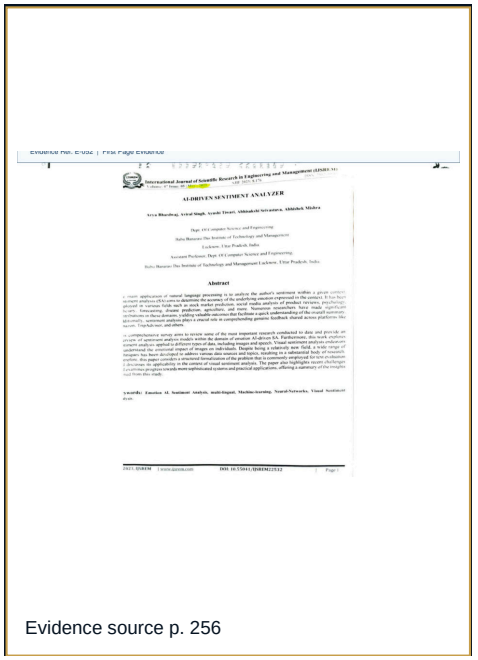
Lung cancer, one of the top causes of cancer-related deaths, relies on early detection for effective treatment. We suggest an automated system that leverages machine learning to analyze CT scans, assisting radiologists in accurately detecting suspicious lung nodules. The approach involves pre-processing CT images to highlight nodule features. Machine learning models, such as CNNs, are trained on annotated CT scans to recognize patterns of malignant and benign nodules. Different CNN architectures, including ResNet, DarkNet, and EfficientNet, are evaluated to determine the most efficient model for detection. We introduce a model called MMT-VIN, which is built upon the YAGG-19 approach. The proposed lung cancer detection method achieves an accuracy of approximately 98.8%, outperforming the methods it was compared against.

Keywords: Lung cancer detection, CT images, machine learning, CNN architectures.

1. Introduction Lung cancer remains the top cause of cancer deaths worldwide. Smoking, secondhand smoke, alcohol, radon gas, asbestos, other toxins, radiation therapy, and family history of lung cancer are all risk factors [1]. Early lung cancer identification can significantly improve survival rates. For lung cancer detection, researchers use image processing, machine learning, or hybrid methods from the literature. Support Vector Machines (SVM), Naïve Bayes (NB), Decision Tree (DT), Back Propagation Network (BPN), K-Nearest Neighbor (KNN), Logistic Regression (LR) [2], and Convolutional Neural Network (CNN). CNNs are popular because local receptive fields and pooling layers reduce the number of parameters compared to other neural networks. They eliminate manual nodule signifiers and reduce false positives [3].

The most frequent imaging diagnostic method, chest radiography (CXR), can be used to diagnose chest disorders such lung cancer, TB, pneumonia, pneumoconiosis, and emphysema. It is the most widely used, least radioactive, and affordable diagnostic method that can identify unidentified pathological alterations [4]. On comparing with computed radiography (CR), computed tomography (CT) has high sensitivity and also an early lung cancer diagnosis is largely influenced by early CT screening [5]. In order to predict the kind of lung cancer using

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International Journal of Scientific Research in Engineering and Management (IJSREM)

AI-DRIVEN SENTIMENT ANALYZER

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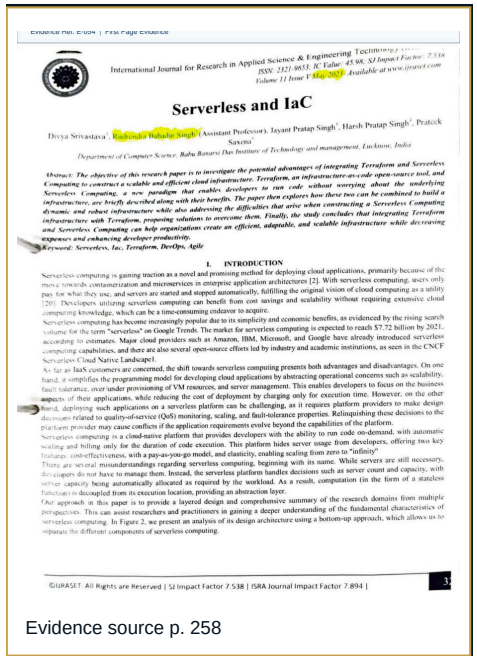
Abstract

A multi-applications of natural language processing is to analyze the author's sentiment within a given context. Sentiment analysis is a crucial tool for understanding the emotions and opinions expressed in the content. It has been applied in various fields such as stock market prediction, social media analysis of product reviews, psychology, political forecasting, disease prediction, agriculture, and more. Numerous researchers have made significant contributions in these domains, yielding valuable outcomes that facilitate quicker, feedback shared across platforms like Microsoft, sentiment analysis plays a crucial role in comprehending patients' feedback shared across platforms like Amazon, TripAdvisor, and others.

A comprehensive survey aims to review some of the most important research conducted to date and provide an overview of the current state of the art within the domain of emotion AI-driven SA. Furthermore, this work explores various sentiment analysis applied to different types of data, including images and speech. Visual sentiment analysis is a field that aims to understand the emotional impact of images on individuals. Despite being a relatively new field, a wide range of approaches have been developed to address various challenges in this area. In addition to a substantial body of research studies, this paper considers a structured formalization of the problem that is commonly employed for item evaluation. It discusses its applicability in the context of visual sentiment analysis. The paper also highlights recent challenges and open research issues towards more sophisticated systems and practical applications, offering a summary of the insights that can be derived from this study.

Keywords: Emotion AI, Sentiment Analysis, multi-lingual, Machine-learning, Neural-Networks, Visual Sentiment Analysis

Evidence source p. 256



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Serverless and IaC

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Abstract: *The objective of this research paper is to investigate the potential advantages of integrating Terraform and Serverless Computing to construct a scalable and efficient cloud infrastructure. Terraform, an infrastructure-as-code open-source tool, and Serverless Computing, a new paradigm that enables developers to run code without worrying about the underlying infrastructure, are briefly described along with their benefits. The paper then explores how these two can be combined to build a serverless infrastructure with Terraform, proposing solutions to overcome them. Finally, the study concludes that integrating Terraform and Serverless Computing can help organizations create an efficient, adaptable, and scalable infrastructure while decreasing expenses and enhancing developer productivity.*

Keyword: Serverless, Iac, Terraform, DevOps, Agile

I. INTRODUCTION

Serverless computing is gaining traction as a novel and promising method for deploying cloud applications, primarily because of the move towards containerization and microservices in enterprise application architectures [2]. With serverless computing, users only pay for what they use, and servers are started and stopped automatically, fulfilling the original vision of cloud computing as a utility [20]. Developers utilizing serverless computing can benefit from cost savings and scalability without requiring extensive cloud computing knowledge, which can be a time-consuming endeavor to acquire.

Serverless computing has become increasingly popular due to its simplicity and economic benefits, as evidenced by the rising search volume for the term "serverless" in Google Trends. The market for serverless computing is expected to reach $7.72 billion by 2021, according to estimates. Major cloud providers such as Amazon, IBM, Microsoft, and Google have already introduced serverless computing capabilities, and there are also several open-source efforts led by industry and academic institutions, as seen in the CNCF Serverless Cloud Native Landscape.

As far as IaaS customers are concerned, the shift towards serverless computing presents both advantages and disadvantages. On one hand, it simplifies the programming model for developing cloud applications by abstracting operational concerns such as scalability, fault tolerance, over under provisioning of VM resources, and server management. This enables developers to focus on the business aspects of their applications, while reducing the cost of deployment by charging only for execution time. However, on the other hand, deploying such applications on a serverless platform can be challenging, as it requires platform providers to make design decisions related to quality-of-service (QoS) monitoring, scaling, and fault-tolerance properties. Relinquishing these decisions to the platform provider may cause conflicts if the application requirements evolve beyond the capabilities of the platform.

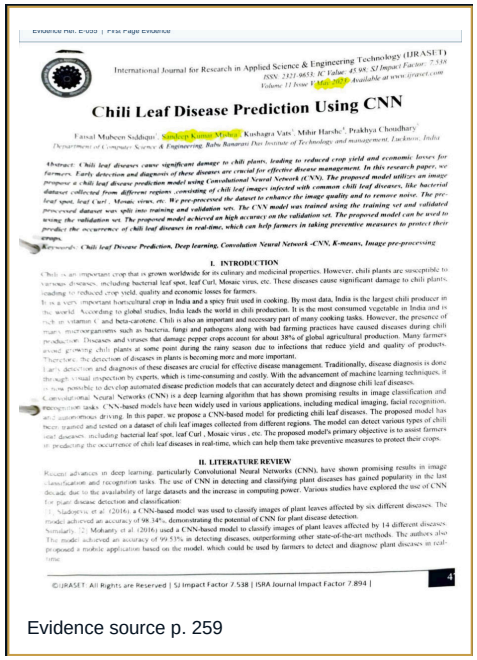
Serverless computing is a cloud-native platform that provides developers with the ability to run code on-demand, with automatic scaling and billing only for the duration of code execution. This platform hides server usage from developers, offering two key features: cost-effectiveness, with a pay-as-you-go model, and elasticity, enabling scaling from zero to "infinity."

There are several misunderstandings regarding serverless computing, beginning with its name. While servers are still necessary, developers do not have to manage them. Instead, the serverless platform handles decisions such as server count and capacity, with server capacity being automatically allocated as required by the workload. As a result, computation (in the form of a stateless function) is decoupled from its execution location, providing an abstraction layer.

Our approach in this paper is to provide a layered design and comprehensive summary of the research domains from multiple perspectives. This can assist researchers and practitioners in gaining a deeper understanding of the fundamental characteristics of serverless computing. In Figure 2, we present an analysis of its design architecture using a bottom-up approach, which allows us to separate the different components of serverless computing.

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Chili Leaf Disease Prediction Using CNN

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Abstract: *Chili leaf diseases cause significant damage to chili plants, leading to reduced crop yield and economic losses for farmers. Early detection and diagnosis of these diseases are crucial for effective disease management. In this research paper, we propose a chili leaf disease prediction model using Convolutional Neural Network (CNN). The proposed model utilizes an image dataset collected from different regions, consisting of chili leaf images infected with common chili leaf diseases, like bacterial leaf spot, leaf Curl , Mosaic virus, etc. We pre-processed the dataset to enhance the image quality and to remove noise. The pre-processed dataset was split into training and validation sets. The CNN model was trained using the training set and validated using the validation set. The proposed model achieved an high accuracy on the validation set. The proposed model can be used to predict the occurrence of chili leaf diseases in real-time, which can help farmers in taking preventive measures to protect their crops.*

Keywords: *Chili leaf Disease Prediction, Deep learning, Convolution Neural Network -CNN, K-means, Image pre-processing*

I. INTRODUCTION

Chili is an important crop that is grown worldwide for its culinary and medicinal properties. However, chili plants are susceptible to various diseases, including bacterial leaf spot, leaf Curl, Mosaic virus, etc. These diseases cause significant damage to chili plants, leading to reduced crop yield, quality and economic losses for farmers.

It is a very important horticultural crop in India and a spicy fruit used in cooking. By most data, India is the largest chili producer in the world. According to global studies, India leads the world in chili production. It is the most consumed vegetable in India and is rich in vitamin C and beta-carotene. Chili is also an important and necessary part of many cooking tasks. However, the presence of many microorganisms such as bacteria, fungi and pathogens along with bad farming practices have caused diseases during chili production. Diseases and viruses that damage pepper crops account for about 38% of global agricultural production. Many farmers around growing chili plants at some point during the rainy season due to infections that reduce yield and quality of products. Therefore, the detection of diseases in plants is becoming more and more important.

Early detection and diagnosis of these diseases are crucial for effective disease management. Traditionally, disease diagnosis is done through visual inspection by experts, which is time-consuming and costly. With the advancement of machine learning techniques, it is now possible to develop automated disease prediction models that can accurately detect and diagnose chili leaf diseases.

Convolutional Neural Networks (CNN) is a deep learning algorithm that has shown promising results in image classification and recognition tasks. CNN-based models have been widely used in various applications, including medical imaging, facial recognition, and autonomous driving. In this paper, we propose a CNN-based model for predicting chili leaf diseases. The proposed model has been trained and tested on a dataset of chili leaf images collected from different regions. The model can detect various types of chili leaf diseases, including bacterial leaf spot, leaf Curl , Mosaic virus , etc. The proposed model's primary objective is to assist farmers in predicting the occurrence of chili leaf diseases in real-time, which can help them take preventive measures to protect their crops.

II. LITERATURE REVIEW

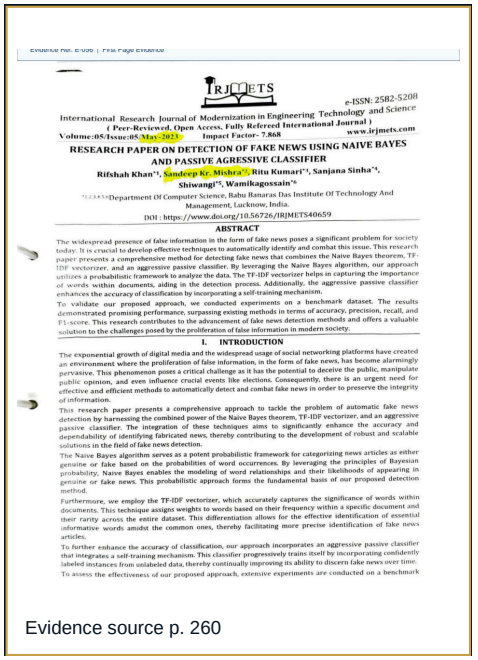
Recent advances in deep learning, particularly Convolutional Neural Networks (CNN), have shown promising results in image classification and recognition tasks. The use of CNN in detecting and classifying plant diseases has gained popularity in the last decade due to the availability of large datasets and the increase in computing power. Various studies have explored the use of CNN for plant disease detection and classification.

J. Sladojevic et al. (2016) a CNN-based model was used to classify images of plant leaves affected by six different diseases. The model achieved an accuracy of 98.34%, demonstrating the potential of CNN for plant disease detection.

Similarly, [2] Mohanty et al. (2016) used a CNN-based model to classify images of plant leaves affected by 14 different diseases. The model achieved an accuracy of 99.53% in detecting diseases, outperforming other state-of-the-art methods. The authors also proposed a mobile application based on the model, which could be used by farmers to detect and diagnose plant diseases in real-time.

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RESEARCH PAPER ON DETECTION OF FAKE NEWS USING NAIVE BAYES AND PASSIVE AGRESSIVE CLASSIFIER

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ABSTRACT

The widespread presence of false information in the form of fake news poses a significant problem for society today. It is crucial to develop effective techniques to automatically identify and combat this issue. This research paper presents a comprehensive method for detecting fake news that combines the Naive Bayes theorem, TF-IDF vectorizer, and an aggressive passive classifier. By leveraging the Naive Bayes algorithm, our approach utilizes a probabilistic framework to analyze the data. The TF-IDF vectorizer helps in capturing the importance of words within documents, aiding in the detection process. Additionally, the aggressive passive classifier enhances the accuracy of classification by incorporating a self-training mechanism.

To validate our proposed approach, we conducted experiments on a benchmark dataset. The results demonstrated promising performance, surpassing existing methods in terms of accuracy, precision, recall, and F1-score. This research contributes to the advancement of fake news detection methods and offers a valuable solution to the challenges posed by the proliferation of false information in modern society.

I. INTRODUCTION

The exponential growth of digital media and the widespread usage of social networking platforms have created an environment where the proliferation of false information, in the form of fake news, has become alarmingly pervasive. This phenomenon poses a critical challenge as it has the potential to deceive the public, manipulate public opinion, and even influence crucial events like elections. Consequently, there is an urgent need for effective and efficient methods to automatically detect and combat fake news in order to preserve the integrity of information.

This research paper presents a comprehensive approach to tackle the problem of automatic fake news detection by harnessing the combined power of the Naive Bayes theorem, TF-IDF vectorizer, and an aggressive passive classifier. The integration of these techniques aims to significantly enhance the accuracy and dependability of identifying fabricated news, thereby contributing to the development of robust and scalable solutions in the field of fake news detection.

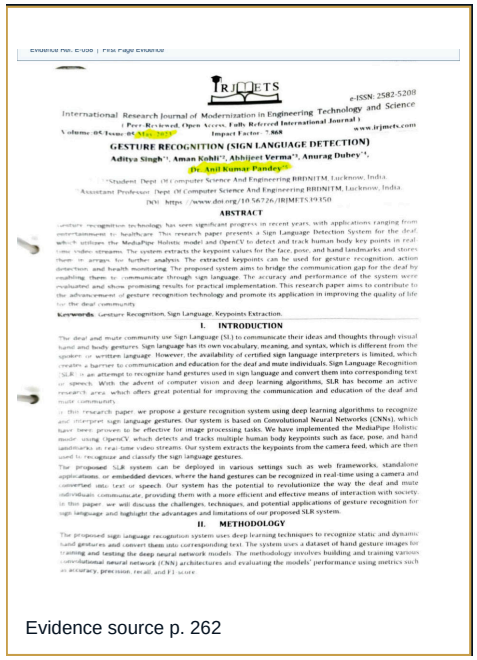
The Naive Bayes algorithm serves as a potent probabilistic framework for categorizing news articles as either genuine or fake based on the probabilities of word occurrences. By leveraging the principles of Bayesian probability, Naive Bayes enables the modeling of word relationships and their likelihoods of appearing in genuine or fake news. This probabilistic approach forms the fundamental basis of our proposed detection method.

Furthermore, we employ the TF-IDF vectorizer, which accurately captures the significance of words within documents. This technique assigns weights to words based on their frequency within a specific document and their rarity across the entire dataset. This differentiation allows for the effective identification of essential informative words amidst the common ones, thereby facilitating more precise identification of fake news articles.

To further enhance the accuracy of classification, our approach incorporates an aggressive passive classifier that integrates a self-training mechanism. This classifier progressively trains itself by incorporating confidently labeled instances from unlabeled data, thereby continually improving its ability to discern fake news over time.

To assess the effectiveness of our proposed approach, extensive experiments are conducted on a benchmark

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GESTURE RECOGNITION (SIGN LANGUAGE DETECTION)

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ABSTRACT

Gesture recognition technology has seen significant progress in recent years, with applications ranging from entertainment to healthcare. This research paper presents a Sign Language Detection System for the deaf, which utilizes the MediaPipe Holistic model and OpenCV to detect and track human body key points in real-time video streams. The system extracts the keypoint values for the face, pose, and hand landmarks and stores them in arrays for further analysis. The extracted keypoints can be used for gesture recognition, action detection, and health monitoring. The proposed system aims to bridge the communication gap for the deaf by enabling them to communicate through sign language. The accuracy and performance of the system were evaluated and show promising results for practical implementation. This research paper aims to contribute to the advancement of gesture recognition technology and promote its application in improving the quality of life for the deaf community.

Keywords: Gesture Recognition, Sign Language, Keypoints Extraction.

I. INTRODUCTION

The deaf and mute community use Sign Language (SL) to communicate their ideas and thoughts through visual hand and body gestures. Sign language has its own vocabulary, meaning, and syntax, which is different from the spoken or written language. However, the availability of certified sign language interpreters is limited, which creates a barrier to communication and education for the deaf and mute individuals. Sign Language Recognition (SLR) is an attempt to recognize hand gestures used in sign language and convert them into corresponding text or speech. With the advent of computer vision and deep learning algorithms, SLR has become an active research area, which offers great potential for improving the communication and education of the deaf and mute community.

In this research paper we propose a gesture recognition system using deep learning algorithms to recognize and interpret sign language gestures. Our system is based on Convolutional Neural Networks (CNNs), which have been proven to be effective for image processing tasks. We have implemented the MediaPipe Holistic model using OpenCV, which detects and tracks multiple human body keypoints such as face, pose, and hand landmarks in real-time video streams. Our system extracts the keypoints from the camera feed, which are then used to recognise and classify the sign language gestures.

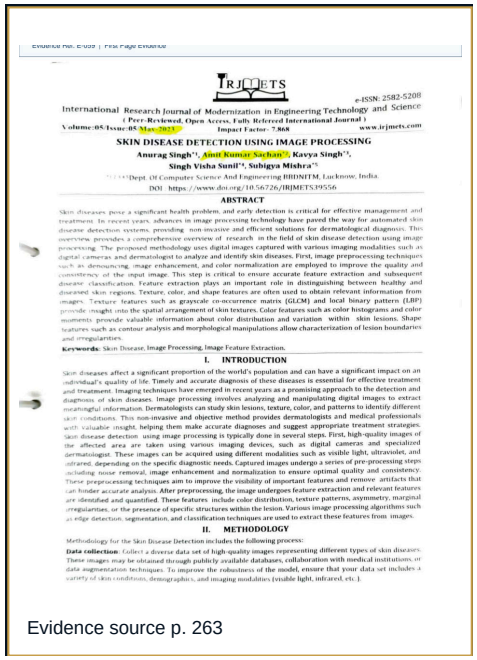
The proposed SLR system can be deployed in various settings such as web frameworks, standalone applications, or embedded devices, where the hand gestures can be recognized in real-time using a camera and converted into text or speech. Our system has the potential to revolutionize the way the deaf and mute individuals communicate, providing them with a more efficient and effective means of interaction with society. In this paper, we will discuss the challenges, techniques, and potential applications of gesture recognition for sign language and highlight the advantages and limitations of our proposed SLR system.

II. METHODOLOGY

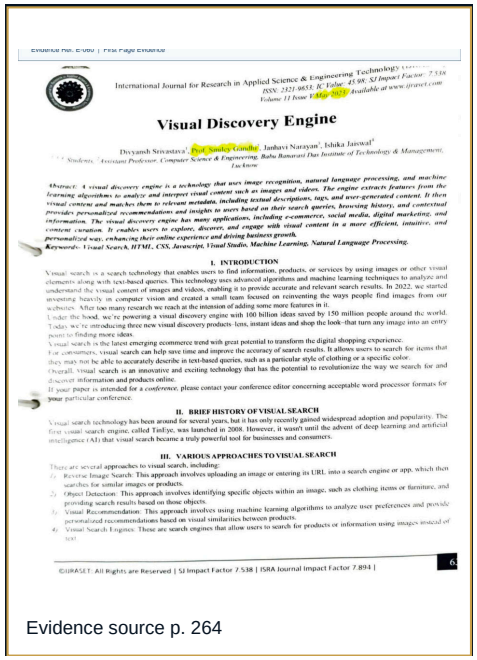
The proposed sign language recognition system uses deep learning techniques to recognize static and dynamic hand gestures and convert them into corresponding text. The system uses a dataset of hand gesture images for training and testing the deep neural network models. The methodology involves building and training various convolutional neural network (CNN) architectures and evaluating the models' performance using metrics such as accuracy, precision, recall, and F1 score.

Evidence source p. 262

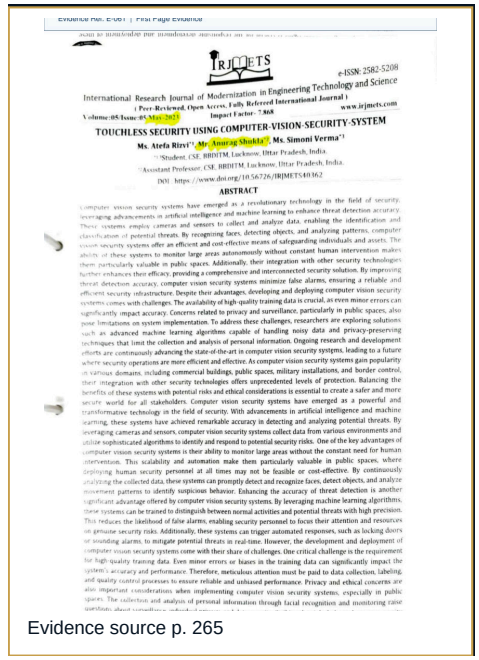
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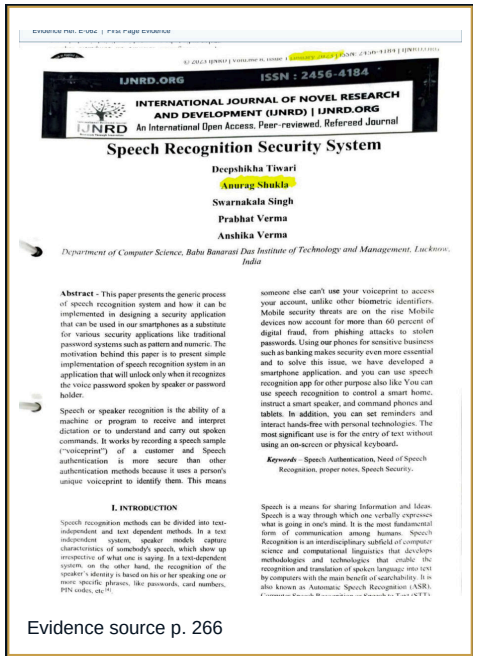
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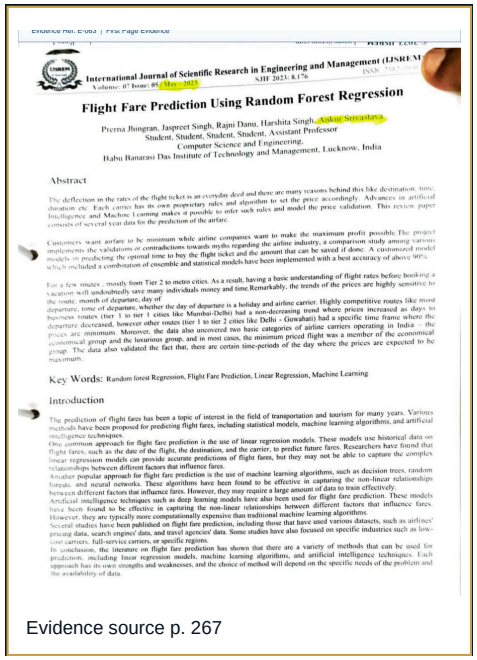
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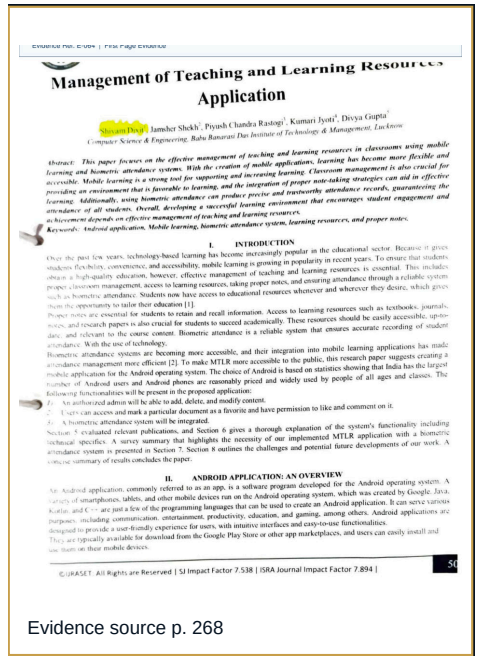
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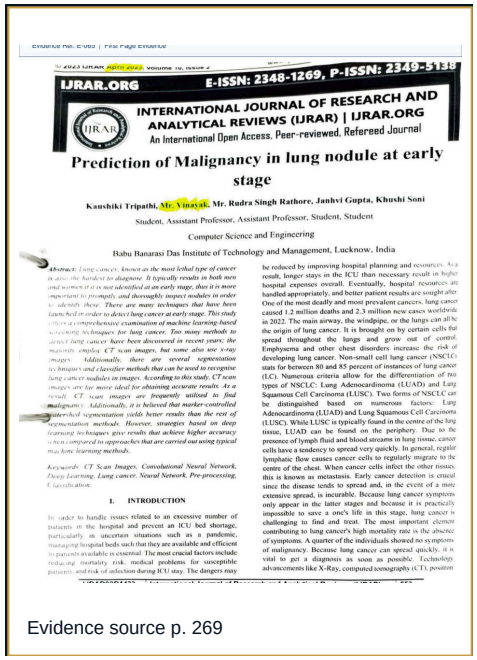


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Prediction of Malignancy in lung nodule at early stage

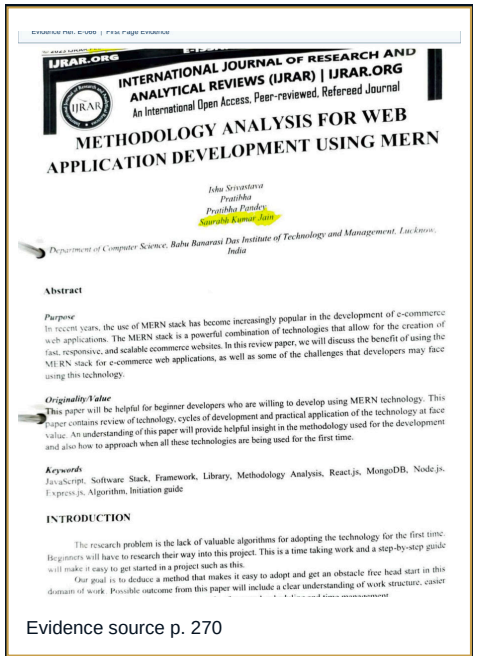
Kaushiki Tripathi, Mr. Vinayak, Mr. Rudra Singh Rathore, Janhvi Gupta, Khushi Soni

Student, Assistant Professor, Assistant Professor, Student, Student

Computer Science and Engineering

Babu Banarasi Das Institute of Technology and Management, Lucknow, India

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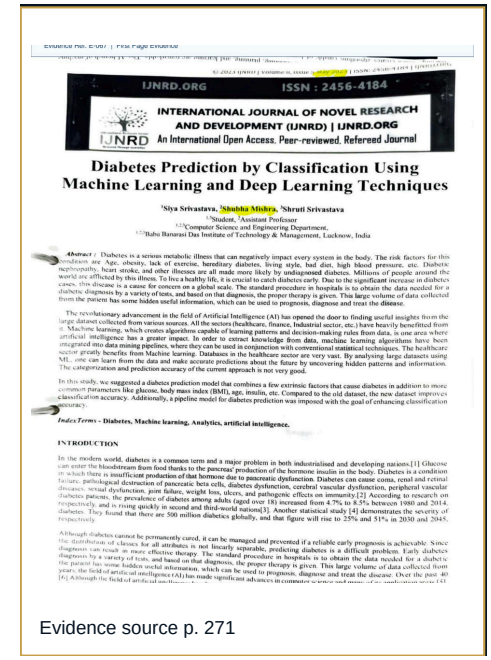
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METHODOLOGY ANALYSIS FOR WEB APPLICATION DEVELOPMENT USING MERN

Ishu Srivastava, Pratibha, Pratibha Pandey, Saurabh Kumar Jain

Department of Computer Science, Babu Banarasi Das Institute of Technology and Management, Lucknow, India

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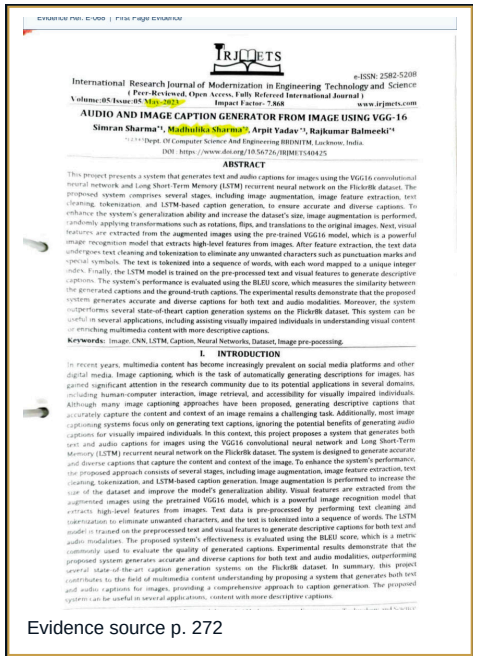
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Diabetes Prediction by Classification Using Machine Learning and Deep Learning Techniques

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IRJMETS

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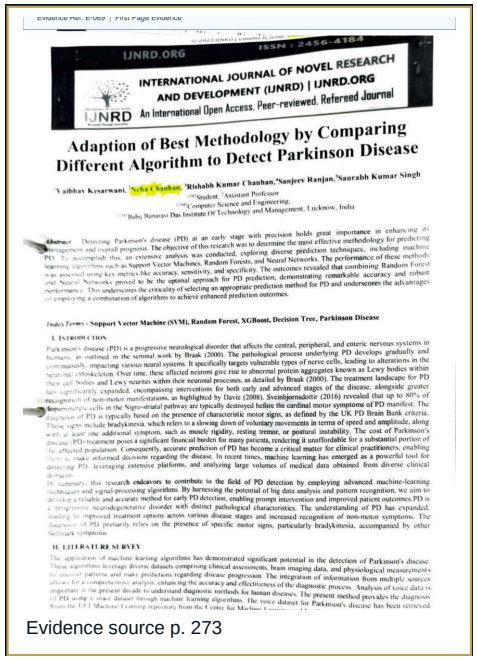
AUDIO AND IMAGE CAPTION GENERATOR FROM IMAGE USING VGG-16

Simran Sharma*1, Madhulika Sharma*2, Arpit Yadav*3, Rajkumar Balmeeki*4

*1,2,3,4Dept. Of Computer Science And Engineering BBDNITM, Lucknow, India.

DOI : https://www.doi.org/10.56726/IRJMETS40425

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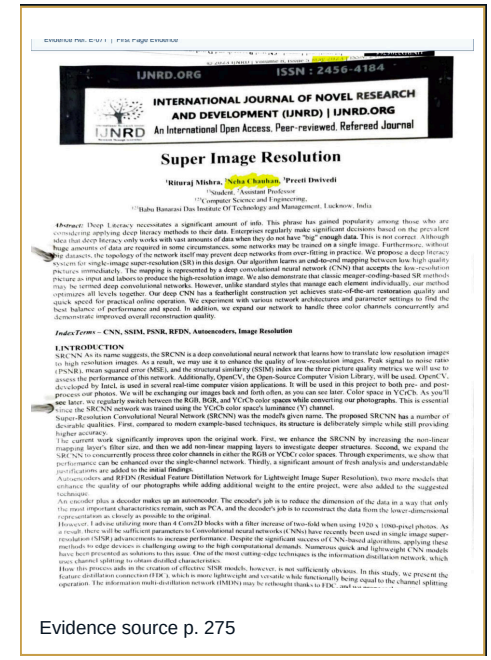
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Adaption of Best Methodology by Comparing Different Algorithm to Detect Parkinson Disease

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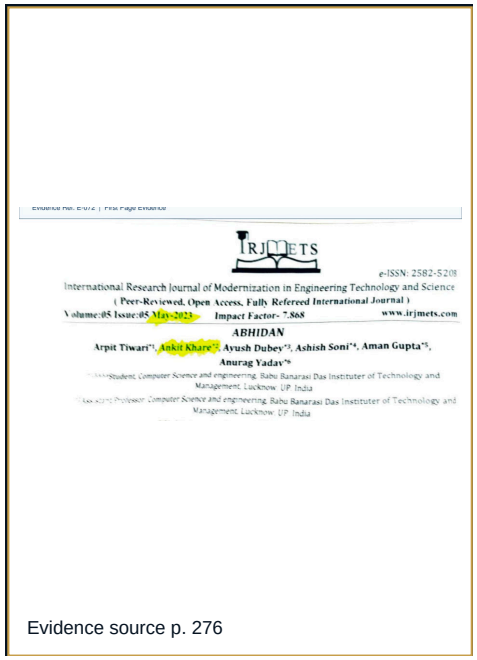
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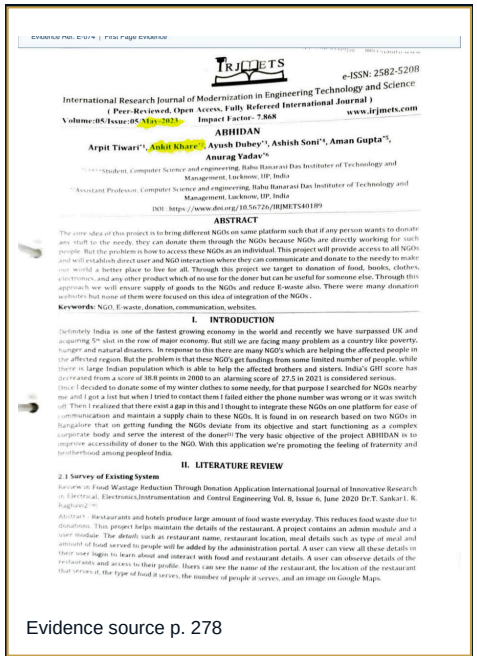
Super Image Resolution

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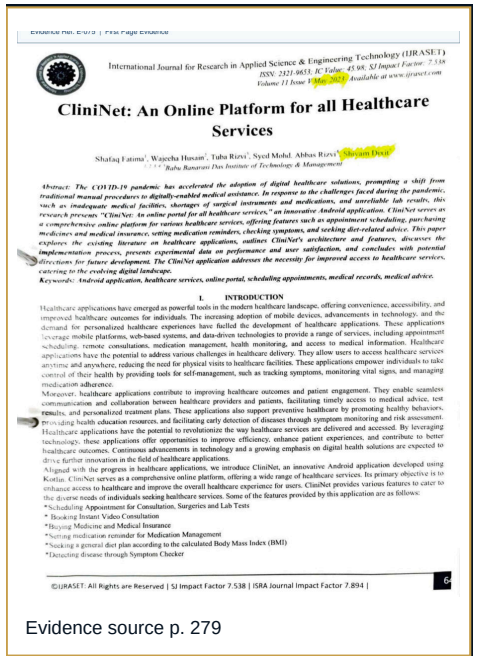
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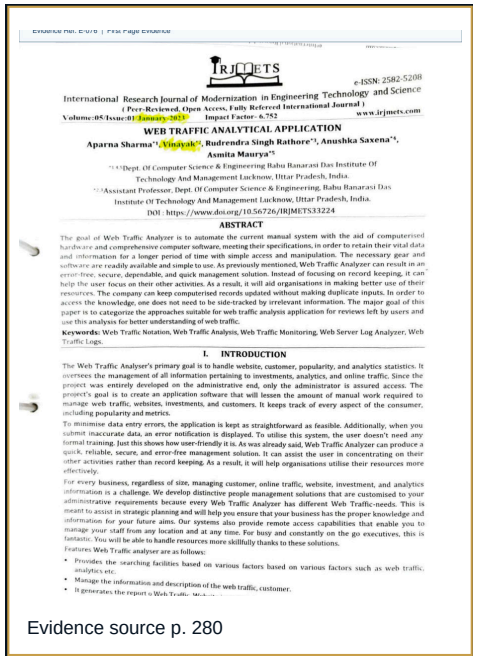
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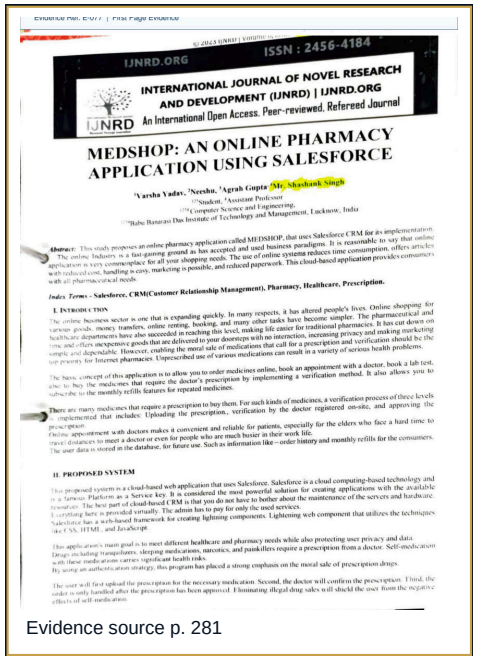
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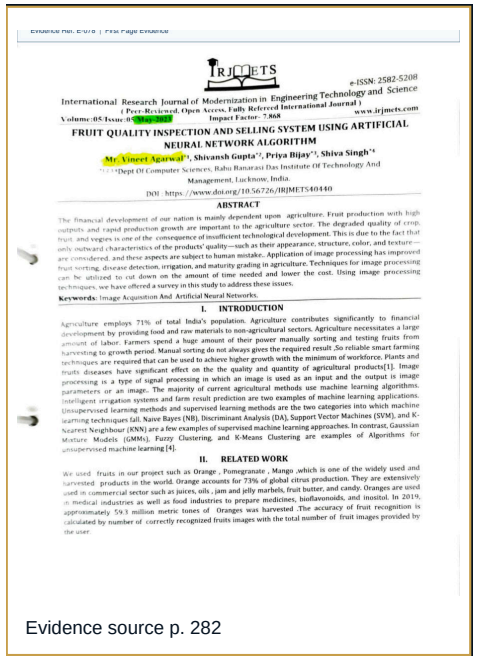
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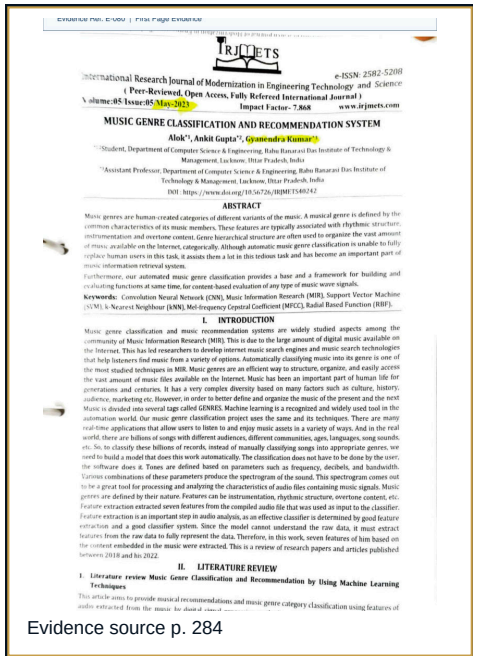


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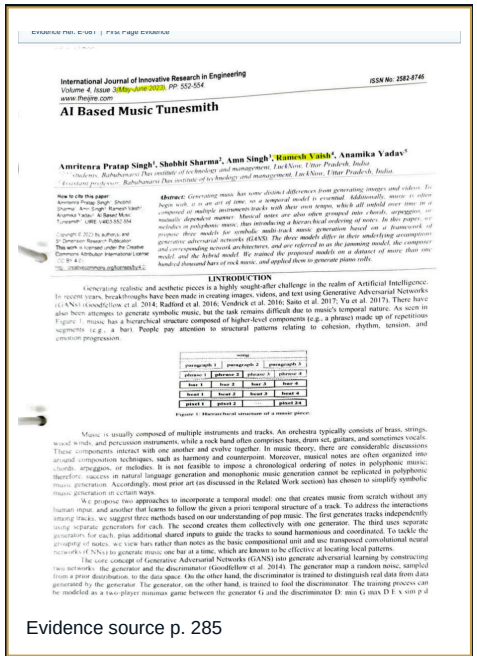
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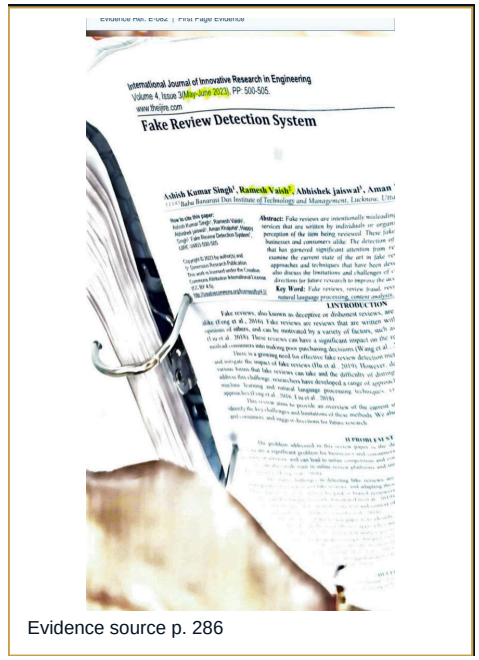
MUSIC GENRE CLASSIFICATION AND RECOMMENDATION SYSTEM

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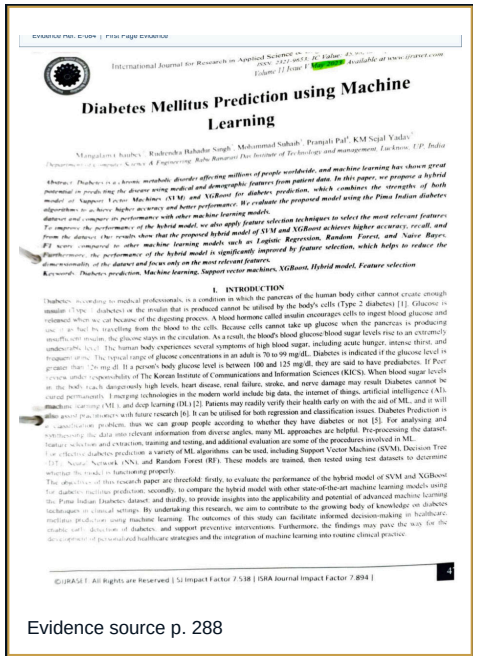
AI Based Music Tunesmith

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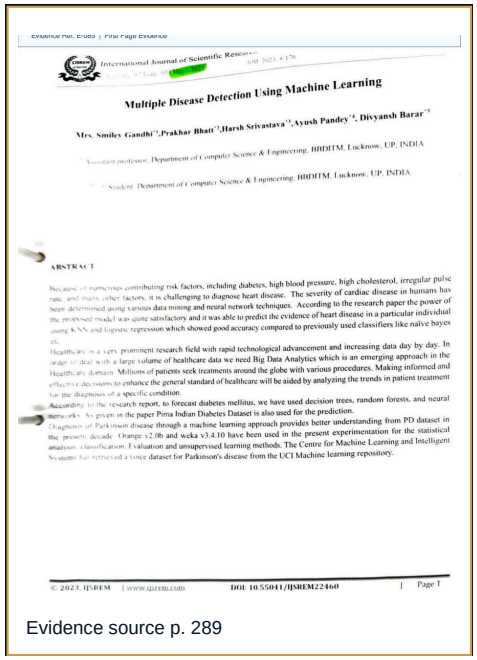
Fake Review Detection System

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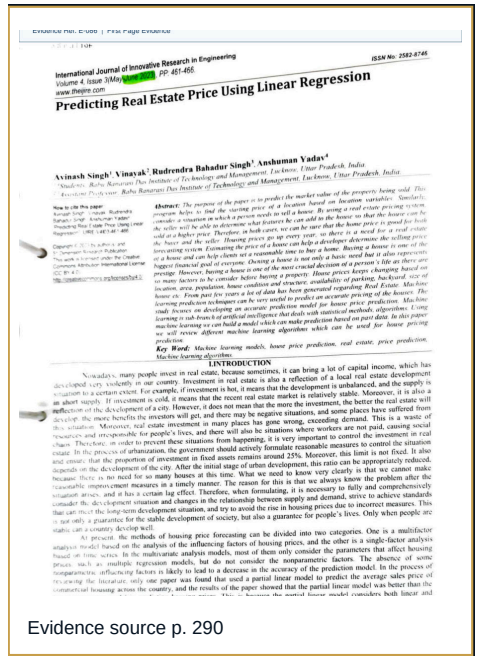
Diabetes Mellitus Prediction using Machine Learning

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Multiple Disease Detection Using Machine Learning

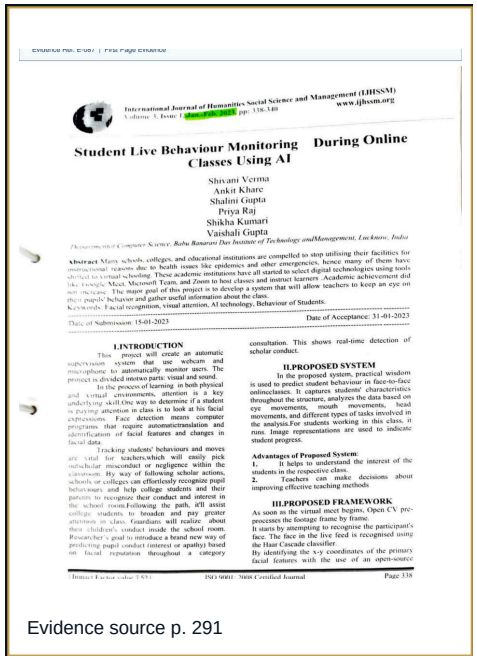
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Predicting Real Estate Price Using Linear Regression

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International Journal of Humanities Social Science and Management (IJHSSM)
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Student Live Behaviour Monitoring During Online Classes Using AI

Shivani Verma
Ankit Khare
Shalini Gupta
Priya Raj
Shikha Kumari
Vaishali Gupta

Department of Computer Science, Babu Banarasi Das Institute of Technology andManagement, Lucknow, India

Abstract Many schools, colleges, and educational institutions are compelled to stop utilising their facilities for instructional reasons due to health issues like epidemics and other emergencies, hence many of them have shifted to virtual schooling. These academic institutions have all started to select digital technologies using tools like Google Meet, Microsoft Team, and Zoom to host classes and instruct learners. Academic achievement did not increase. The major goal of this project is to develop a system that will allow teachers to keep an eye on their pupils' behavior and gather useful information about the class.

Keywords: Facial recognition, visual attention, AI technology, Behaviour of Students.

Date of Acceptance: 31-01-2023

Date of Submission: 15-01-2023

I.INTRODUCTION

This project will create an automatic supervision system that use webcam and microphone to automatically monitor users. The project is divided intotwo parts: visual and sound.

In the process of learning in both physical and virtual environments, attention is a key underlying skill.One way to determine if a student is paying attention in class is to look at his facial expressions. Face detection means computer programs that require automaticrecognition and identification of facial features and changes in facial data.

Tracking students' behaviours and moves are vital for teachers,which will easily pick outscholar misconduct or negligence within the classroom. By way of following scholar actions, schools or colleges can effortlessly recognize pupil behaviours and help college students and their parents to recognize their conduct and interest in the school room.Following the path, it'll assist college students to broaden and pay greater attention in class. Guardians will realize about their children's conduct inside the school room. Researcher's goal to introduce a brand new way of predicting pupil conduct (interest or apathy) based on facial reputation throughout a category consultation. This shows real-time detection of scholar conduct.

II.PROPOSED SYSTEM

In the proposed system, practical wisdom is used to predict student behaviour in face-to-face onlineclasses. It captures students' characteristics throughout the structure, analyzes the data based on eye movements, mouth movements, head movements, and different types of tasks involved in the analysis.For students working in this class, it runs. Image representations are used to indicate student progress.

Advantages of Proposed System:

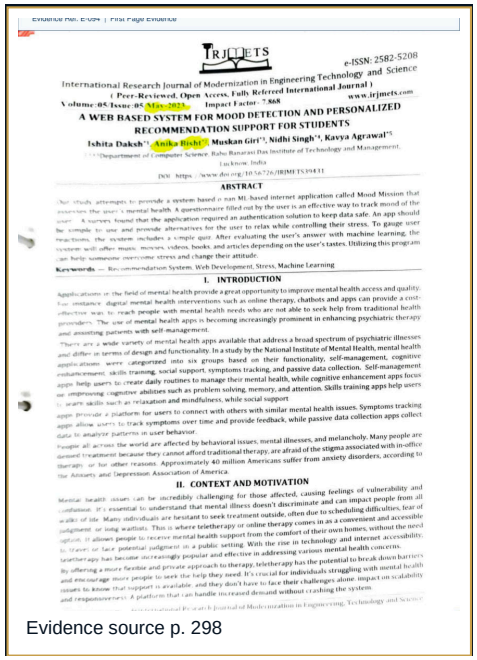
1. It helps to understand the interest of the students in the respective class.
2. Teachers can make decisions about improving effective teaching methods

III.PROPOSED FRAMEWORK

As soon as the virtual meet begins, Open CV pre-processes the footage frame by frame.
It starts by attempting to recognise the participant's face. The face in the live feed is recognised using the Haar Cascade classifier.
By identifying the x-y coordinates of the primary facial features with the use of an open-source

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A WEB BASED SYSTEM FOR MOOD DETECTION AND PERSONALIZED RECOMMENDATION SUPPORT FOR STUDENTS

Ishita Daksh[1], Anika Bisht[2], Muskan Giri[3], Nidhi Singh[4], Kavya Agrawal[5]
[1,2,3,4,5]Department of Computer Science, Babu Banarasi Das Institute of Technology and Management, Lucknow, India

DOI: https://www.doi.org/10.56726/IRJMETS39431

ABSTRACT

Our study attempts to provide a system based o nan ML based internet application called Mood Mission that assesses the user's mental health. A questionnaire filled out by the user is an effective way to track mood of the users'. A survey is found that the application required an authentication solution to keep data safe. An app should be simple to use and provide alternatives for the user to relax while controlling their stress. To gauge user reactions, the system includes a simple quiz. After evaluating the user's answer with machine learning, the system will offer music, movies, videos, books, and articles depending on the user's tastes. Utilizing this program can help someone overcome stress and change their attitude.

Keywords — Recommendation System, Web Development, Stress, Machine Learning

I. INTRODUCTION

Applications in the field of mental health provide a great opportunity to improve mental health access and quality. For instance, digital mental health interventions such as online therapy, chatbots and apps can provide a cost-effective way to reach people with mental health needs who are not able to seek help from traditional health providers. The use of mental health apps is becoming increasingly prominent in enhancing psychiatric therapy and assisting patients with self-management.

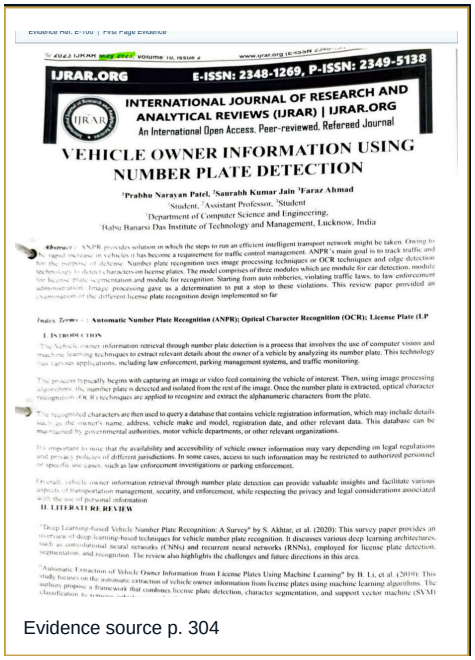
There are a wide variety of mental health apps available that address a broad spectrum of psychiatric illnesses and differ in terms of design and functionality. In a study by the National Institute of Mental Health, mental health applications were categorized into six groups based on their functionality, self-management, cognitive enhancement, skills training, social support, symptoms tracking, and passive data collection. Self-management apps help users to create daily routines to manage their mental health, while cognitive enhancement apps focus on improving cognitive abilities such as problem solving, memory, and attention. Skills training apps help users to learn skills such as relaxation and mindfulness, while social support apps provide a platform for users to connect with others with similar mental health issues. Symptoms tracking apps allow users to track symptoms over time and provide feedback, while passive data collection apps collect data to analyze patterns in user behavior.

People all across the world are affected by behavioral issues, mental illnesses, and melancholy. Many people are deterred from treatment because they cannot afford traditional therapy, are afraid of the stigma associated with in-office therapy, or for other reasons. Approximately 40 million Americans suffer from anxiety disorders, according to the Anxiety and Depression Association of America.

II. CONTEXT AND MOTIVATION

Mental health issues can be incredibly challenging for those affected, causing feelings of vulnerability and confinement. It's essential to understand that mental illness doesn't discriminate and can impact people from all walks of life. Many individuals are hesitant to seek treatment outside, often due to scheduling difficulties, fear of judgment or long waitlists. This is where teletherapy or online therapy comes in as a convenient and accessible option. It allows people to receive mental health support from the comfort of their own homes, without the need to travel or face potential judgment in a public setting. With the rise in technology and internet accessibility, teletherapy has become increasingly popular and effective in addressing various mental health concerns. By offering a more flexible and private approach to therapy, teletherapy has the potential to break down barriers and encourage more people to seek the help they need. It's crucial for individuals struggling with mental health issues to know that support is available, and they don't have to face their challenges alone. impact on scalability and responsiveness. A platform that can handle increased demand without crashing the system.

Evidence source p. 298



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VEHICLE OWNER INFORMATION USING NUMBER PLATE DETECTION

[1]Prabhu Narayan Patel, [2]Saurabh Kumar Jain [3]Faraz Ahmad
[1]Student, [2]Assistant Professor, [3]Student
[1]Department of Computer Science and Engineering,
[1]Babu Banarasi Das Institute of Technology and Management, Lucknow, India

Abstract : ANPR provides solution in which the steps to run an efficient intelligent transport network might be taken. Owing to the rapid increase in vehicles it has become a requirement for traffic control management. ANPR's main goal is to track traffic and for the purposes of defense. Number plate recognition uses image processing techniques or OCR techniques and edge detection technology to detect characters on license plates. The model comprises of three modules which are module for car detection, module for license Plate segmentation and module for recognition. Starting from auto robberies, violating traffic laws, to law enforcement administration. Image processing gave us a determination to put a stop to these violations. This review paper provided an examination of the different license plate recognition design implemented so far.

Index Terms — **Automatic Number Plate Recognition (ANPR); Optical Character Recognition (OCR); License Plate (LP**

I. INTRODUCTION

The Vehicle owner information retrieval through number plate detection is a process that involves the use of computer vision and machine learning techniques to extract relevant details about the owner of a vehicle by analyzing its number plate. This technology has various applications, including law enforcement, parking management systems, and traffic monitoring.

The process typically begins with capturing an image or video feed containing the vehicle of interest. Then, using image processing algorithms, the number plate is detected and isolated from the rest of the image. Once the number plate is extracted, optical character recognition (OCR) techniques are applied to recognize and extract the alphanumeric characters from the plate.

The recognized characters are then used to query a database that contains vehicle registration information, which may include details such as the owner's name, address, vehicle make and model, registration date, and other relevant data. This database can be maintained by governmental authorities, motor vehicle departments, or other relevant organizations.

It's important to note that the availability and accessibility of vehicle owner information may vary depending on legal regulations and privacy policies of different jurisdictions. In some cases, access to such information may be restricted to authorized personnel or specific use cases, such as law enforcement investigations or parking enforcement.

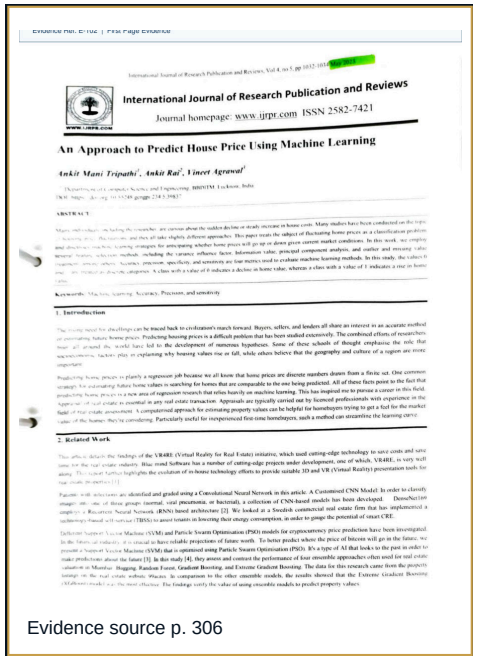
Overall, vehicle owner information retrieval through number plate detection can provide valuable insights and facilitate various aspects of transportation management, security, and enforcement, while respecting the privacy and legal considerations associated with the use of personal information.

II. LITERATURE REVIEW

"Deep Learning-based Vehicle Number Plate Recognition: A Survey" by S. Akhtar, et al. (2020): This survey paper provides an overview of deep learning-based techniques for vehicle number plate recognition. It discusses various deep learning architectures, such as convolutional neural networks (CNNs) and recurrent neural networks (RNNs), employed for license plate detection, segmentation, and recognition. The review also highlights the challenges and future directions in this area.

"Automatic Extraction of Vehicle Owner Information from License Plates Using Machine Learning" by B. Li, et al. (2019): This study focuses on the automatic extraction of vehicle owner information from license plates using machine learning algorithms. The authors propose a framework that combines license plate detection, character segmentation, and support vector machine (SVM) classification to

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An Approach to Predict House Price Using Machine Learning

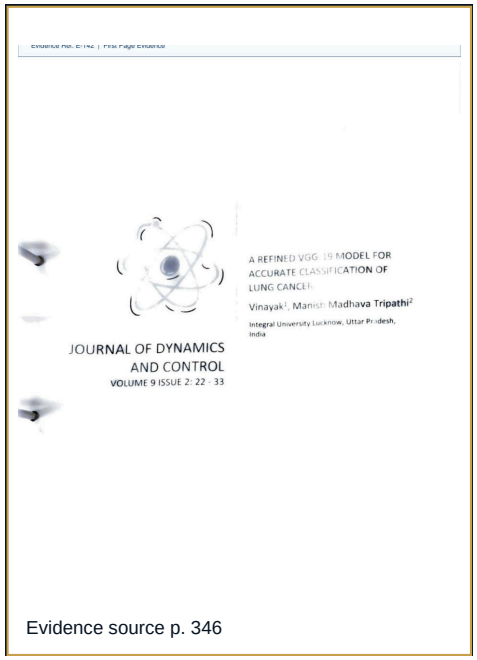
***Ankit Mani Tripathi*[1], *Ankit Rai*[2], *Vineet Agrawal*[3]**

ABSTRACT

1. Introduction

2. Related Work

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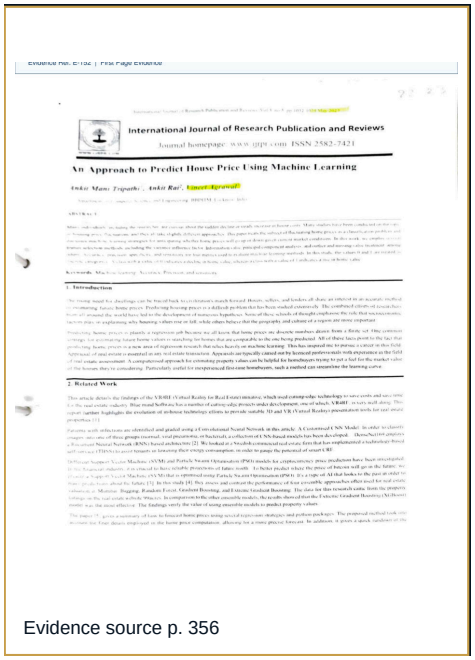


A REFINED VGG-19 MODEL FOR ACCURATE CLASSIFICATION OF LUNG CANCER

Vinayak[1], Manish Madhava Tripathi[2]
Integral University Lucknow, Uttar Pradesh, India

JOURNAL OF DYNAMICS AND CONTROL
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An Approach to Predict House Price Using Machine Learning

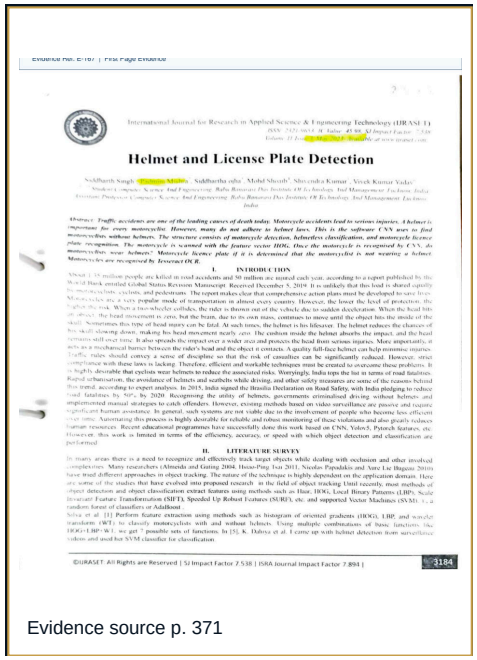
Ankit Mani Tripathi[1], *Ankit Rai*[2], *Vineet Agrawal*[3]

1. Introduction

2. Related Work

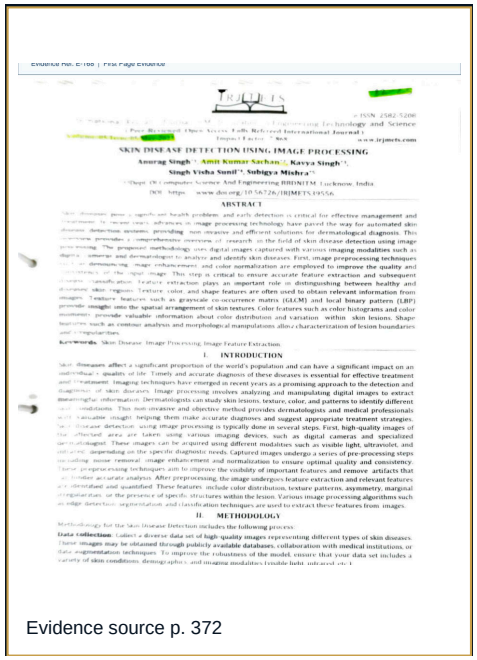
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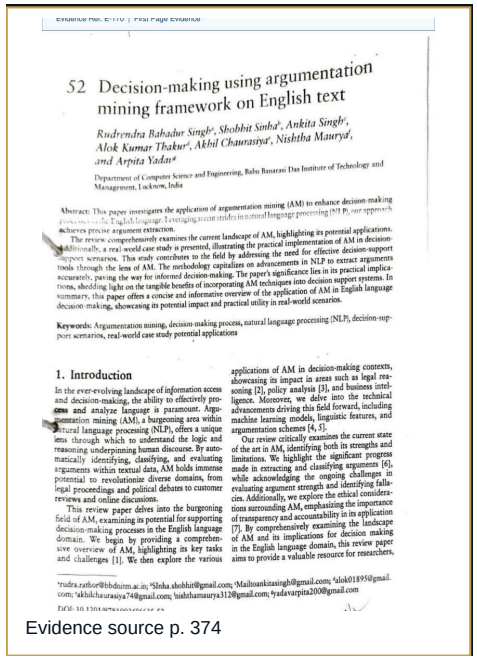
Helmet and License Plate Detection

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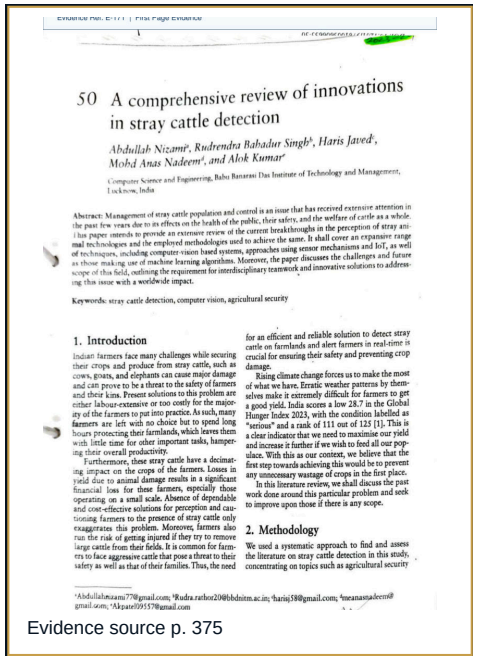
SKIN DISEASE DETECTION USING IMAGE PROCESSING

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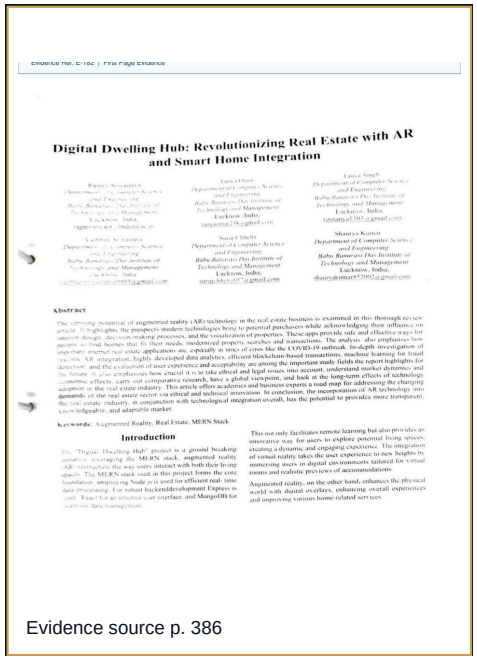
52 Decision-making using argumentation mining framework on English text

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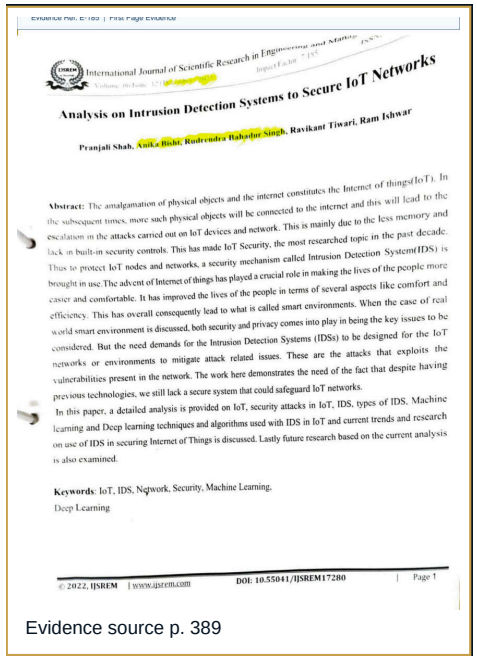
50 A comprehensive review of innovations in stray cattle detection

Evidence source p. 375



Digital Dwelling Hub: Revolutionizing Real Estate with AR and Smart Home Integration

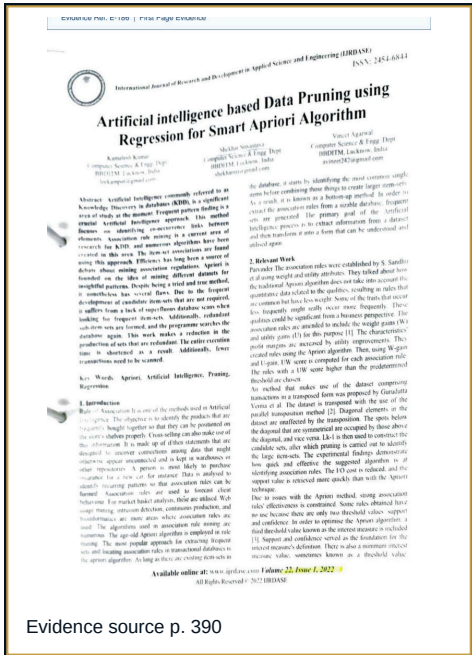
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Analysis on Intrusion Detection Systems to Secure IoT Networks

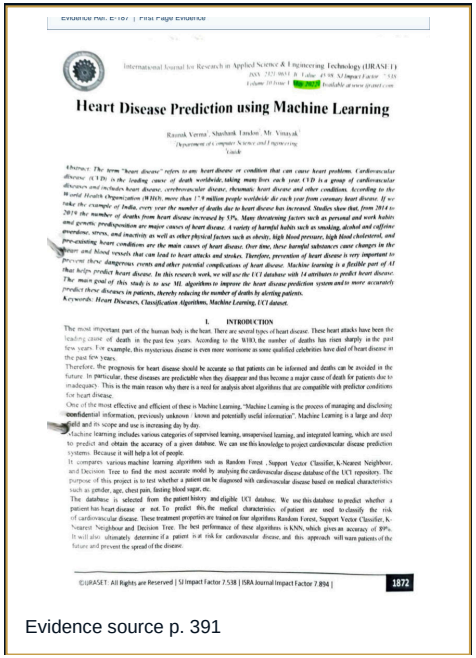
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Artificial intelligence based Data Pruning using Regression for Smart Apriori Algorithm

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Heart Disease Prediction using Machine Learning

Evidence source p. 391



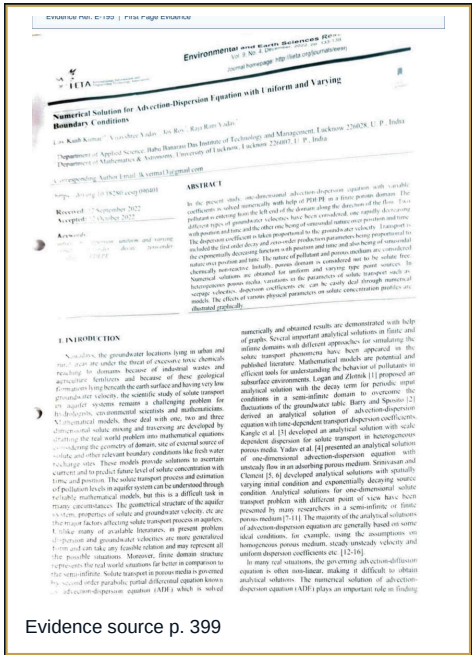
Analytical Solutions of Two-dimensional Solute Transport with Spatially and Temporarily Dependent Dispersion in Heterogeneous Porous Media

Evidence source p. 395



Analytical Solutions for Scale and Time Dependent Solute Transport in Heterogeneous Porous Medium

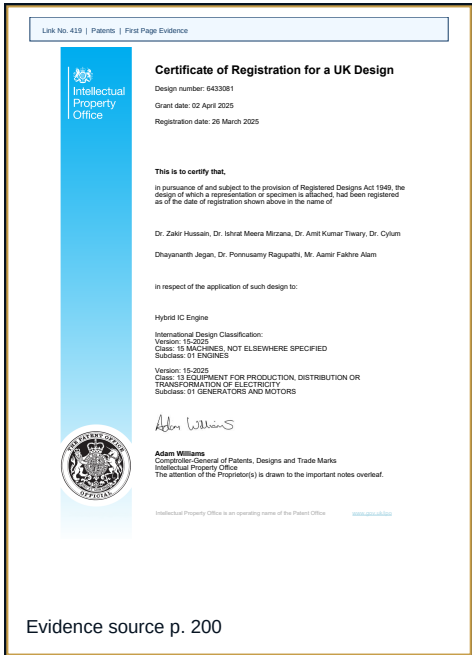
Evidence source p. 397



Numerical Solution for Advection-Dispersion Equation with Uniform and Varying Boundary Conditions

Evidence source p. 399

PATENTS / DESIGNS - FIRST-PAGE EVIDENCE



Link No. 419 | Patents | First Page Evidence

Intellectual Property Office

Certificate of Registration for a UK Design

Design number: 6433081

Grant date: 02 April 2025

Registration date: 26 March 2025

This is to certify that,

in pursuance of and subject to the provision of Registered Designs Act 1949, the design of which a representation or specimen is attached, had been registered as of the date of registration shown above in the name of

Dr. Zakir Hussain, Dr. Ishrat Meera Mirzana, Dr. Amit Kumar Tiwary, Dr. Cylum

Dhayananth Jegan, Dr. Ponnusamy Ragupathi, Mr. Aamir Fakhre Alam

in respect of the application of such design to:

Hybrid IC Engine

International Design Classification:
Version: 15-2025
Class: 15 MACHINES, NOT ELSEWHERE SPECIFIED
Subclass: 01 ENGINES

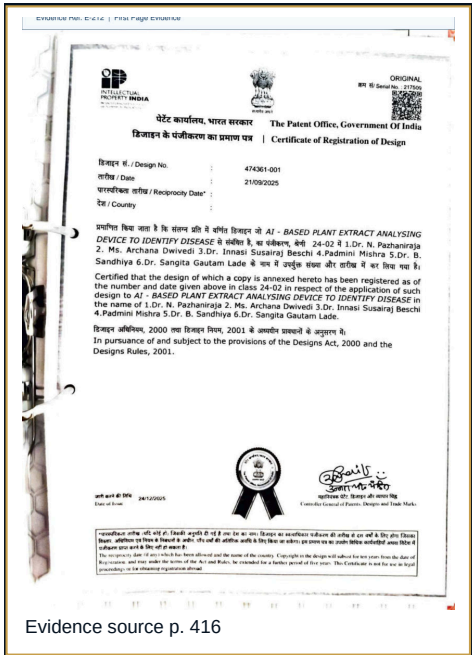
Version: 15-2025
Class: 13 EQUIPMENT FOR PRODUCTION, DISTRIBUTION OR TRANSFORMATION OF ELECTRICITY
Subclass: 01 GENERATORS AND MOTORS

Adam Williams

Adam Williams
Comptroller-General of Patents, Designs and Trade Marks
Intellectual Property Office
The attention of the Proprietor(s) is drawn to the important notes overleaf.

Intellectual Property Office is an operating name of the Patent Office www.gov.uk/ipo

Evidence source p. 200



ORIGINAL

पेटेंट कार्यालय, भारत सरकार The Patent Office, Government Of India

डिजाइन के पंजीकरण का प्रमाण पत्र | Certificate of Registration of Design

डिजाइन सं. / Design No. : 474361-001

तारीख / Date : 21/09/2025

पारस्परिकता तारीख / Reciprocity Date* :

देश / Country :

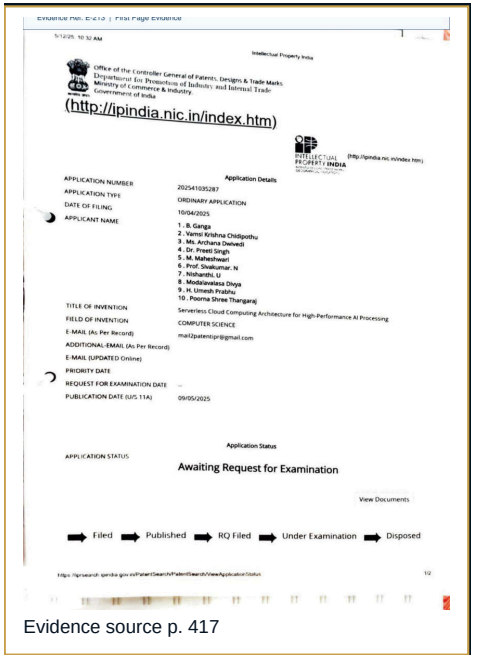
प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो *AI - BASED PLANT EXTRACT ANALYSING DEVICE TO IDENTIFY DISEASE* से संबंधित है, का पंजीकरण, क्रमांक 24-02 में 1.Dr. N. Pazhaniraja 2. Ms. Archana Dwivedi 3.Dr. Innasi Susairaj Beschi 4.Padmini Mishra 5.Dr. B. Sandhiya 6.Dr. Sangita Gautam Lade के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 24-02 in respect of the application of such design to *AI - BASED PLANT EXTRACT ANALYSING DEVICE TO IDENTIFY DISEASE* in the name of 1.Dr. N. Pazhaniraja 2. Ms. Archana Dwivedi 3.Dr. Innasi Susairaj Beschi 4.Padmini Mishra 5.Dr. B. Sandhiya 6.Dr. Sangita Gautam Lade.

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अध्यधीन प्रावधानों के अनुसरण में।
In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

Controller General of Patents, Designs and Trade Marks.

Evidence source p. 416



Office of the Controller General of Patents, Designs & Trade Marks
Department for Promotion of Industry and Internal Trade
Ministry of Commerce & Industry,
Government of India

(http://ipindia.nic.in/index.htm)

INTELLECTUAL PROPERTY INDIA (http://ipindia.nic.in/index.htm)

Application Details

APPLICATION NUMBER	202541035287
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	10/04/2025
APPLICANT NAME	1. B. Ganga 2. Vamsi Krishna Chidipothu 3. Ms. Archana Dwivedi 4. Dr. Preeti Singh 5. M. Maheshwari 6. Prof. Sivakumar. N 7. Nishanthi. U 8. Modalavalasa Divya 9. H. Umesh Prabhu 10. Poorna Shree Thangaraj
TITLE OF INVENTION	Serverless Cloud Computing Architecture for High-Performance AI Processing
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	mail2patentcpir@gmail.com
ADDITIONAL-EMAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	09/05/2025

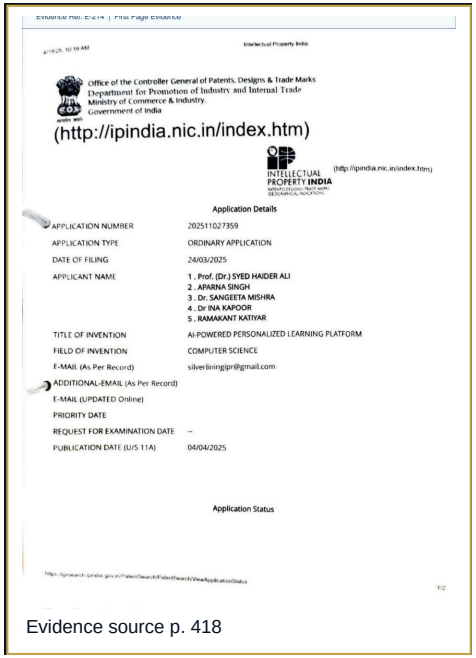
Application Status

APPLICATION STATUS: **Awaiting Request for Examination**

View Documents

Filed → Published → RQ Filed → Under Examination → Disposed

Evidence source p. 417



Office of the Controller General of Patents, Designs & Trade Marks
Department for Promotion of Industry and Internal Trade
Ministry of Commerce & Industry,
Government of India

(http://ipindia.nic.in/index.htm)

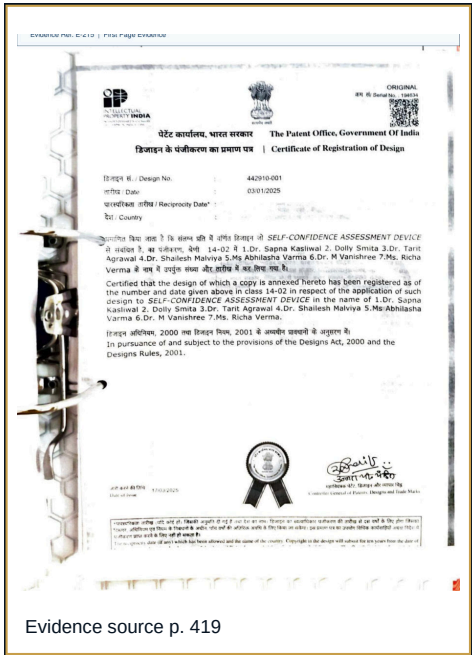
INTELLECTUAL PROPERTY INDIA (http://ipindia.nic.in/index.htm)

Application Details

APPLICATION NUMBER	202511027359
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	24/03/2025
APPLICANT NAME	1 . Prof. (Dr.) SYED HAIDER ALI 2 . APARNA SINGH 3 . Dr. SANGEETA MISHRA 4 . Dr INA KAPOOR 5 . RAMAKANT KATIYAR
TITLE OF INVENTION	AI-POWERED PERSONALIZED LEARNING PLATFORM
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	silverliningcpir@gmail.com
ADDITIONAL-EMAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	04/04/2025

Application Status

Evidence source p. 418



ORIGINAL

पेटेंट कार्यालय, भारत सरकार The Patent Office, Government Of India

डिजाइन के पंजीकरण का प्रमाण पत्र | Certificate of Registration of Design

डिजाइन सं. / Design No. : 442910-001

तारीख / Date : 03/01/2025

पारस्परिकता तारीख / Reciprocity Date* :

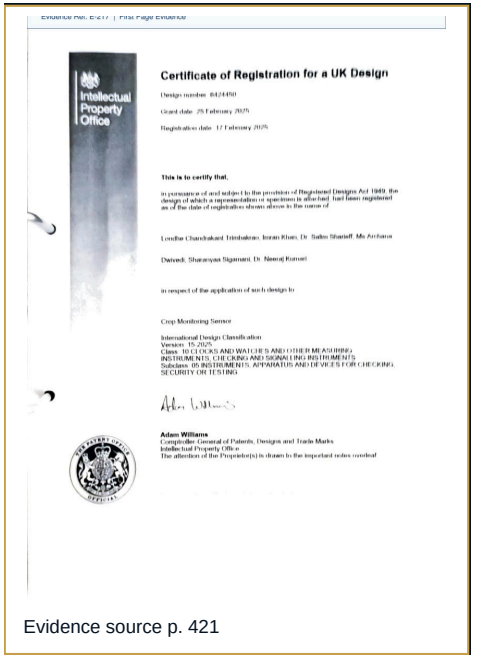
देश / Country :

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो *SELF-CONFIDENCE ASSESSMENT DEVICE* से संबंधित है, का पंजीकरण, क्रमांक 14-02 में 1.Dr. Sapna Kasliwal 2. Dolly Smita 3.Dr. Tarit Agrawal 4.Dr. Shailesh Malviya 5.Ms Abhilasha Varma 6.Dr. M Vanishree 7.Ms. Richa Verma के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 14-02 in respect of the application of such design to *SELF-CONFIDENCE ASSESSMENT DEVICE* in the name of 1.Dr. Sapna Kasliwal 2. Dolly Smita 3.Dr. Tarit Agrawal 4.Dr. Shailesh Malviya 5.Ms Abhilasha Varma 6.Dr. M Vanishree 7.Ms. Richa Verma.

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अध्यधीन प्रावधानों के अनुसरण में।
In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

Evidence source p. 419



Intellectual Property Office

Certificate of Registration for a UK Design

Design number: 6424490

Grant date: 25 February 2025

Registration date: 17 February 2025

This is to certify that,

in pursuance of and subject to the provision of Registered Designs Act 1949, the design of which a representation or specimen is attached, had been registered as of the date of registration shown above in the name of

Loudhe Chandrakant Hrishikesh, Imran Khan, Dr. Salim Shariff, Ms Archana

Dwivedi, Shanmuya Sigamani, Dr. Neeraj Kumari

in respect of the application of such design to

Crop Monitoring Sensor

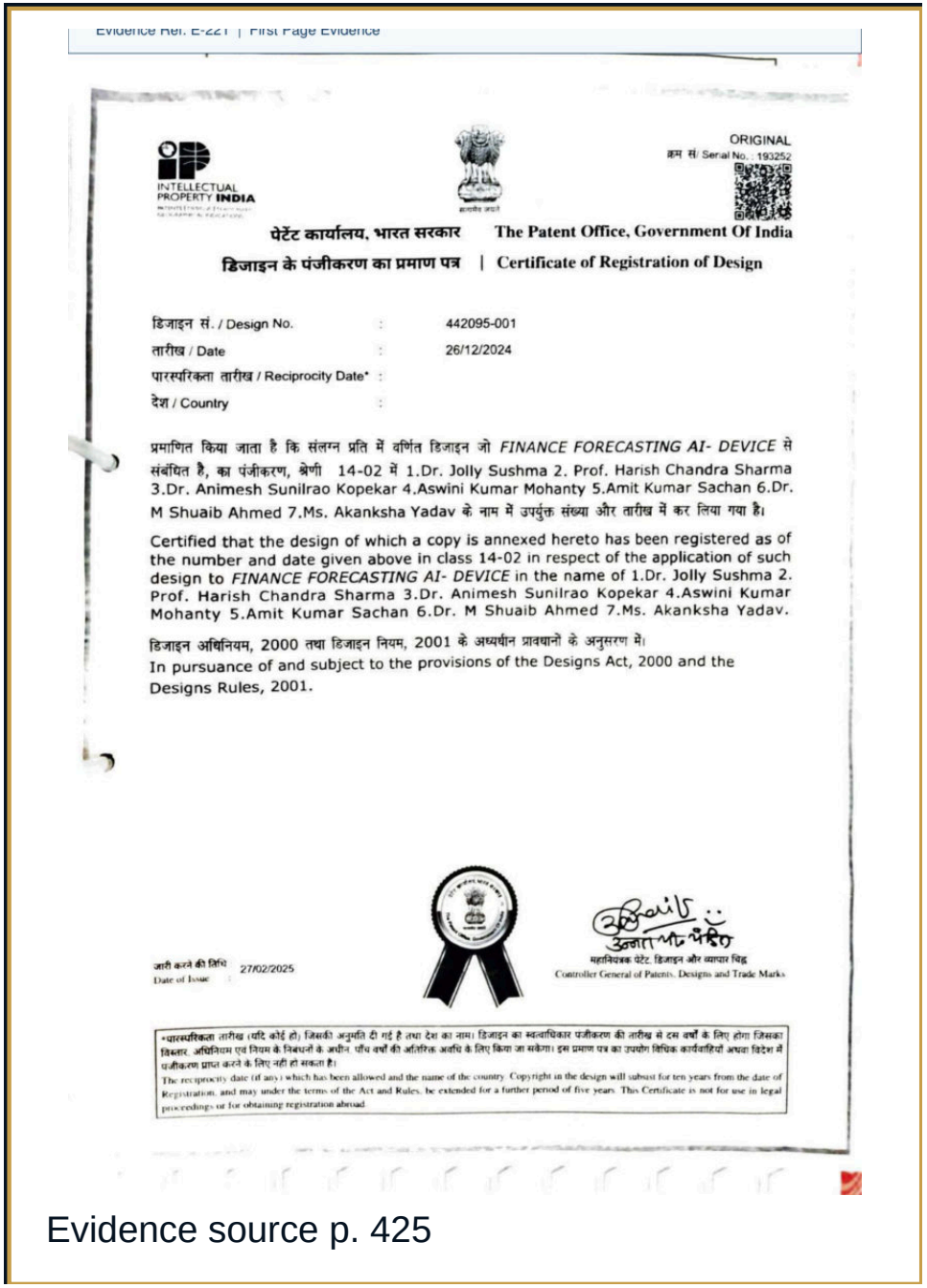
International Design Classification
Version: 15-2025
Class: 10 CLOCKS AND WATCHES AND OTHER MEASURING INSTRUMENTS, CHECKING AND SIGNALING INSTRUMENTS
Subclass: 05 INSTRUMENTS, APPARATUS AND DEVICES FOR CHECKING, SECURITY OR TESTING

Adam Williams

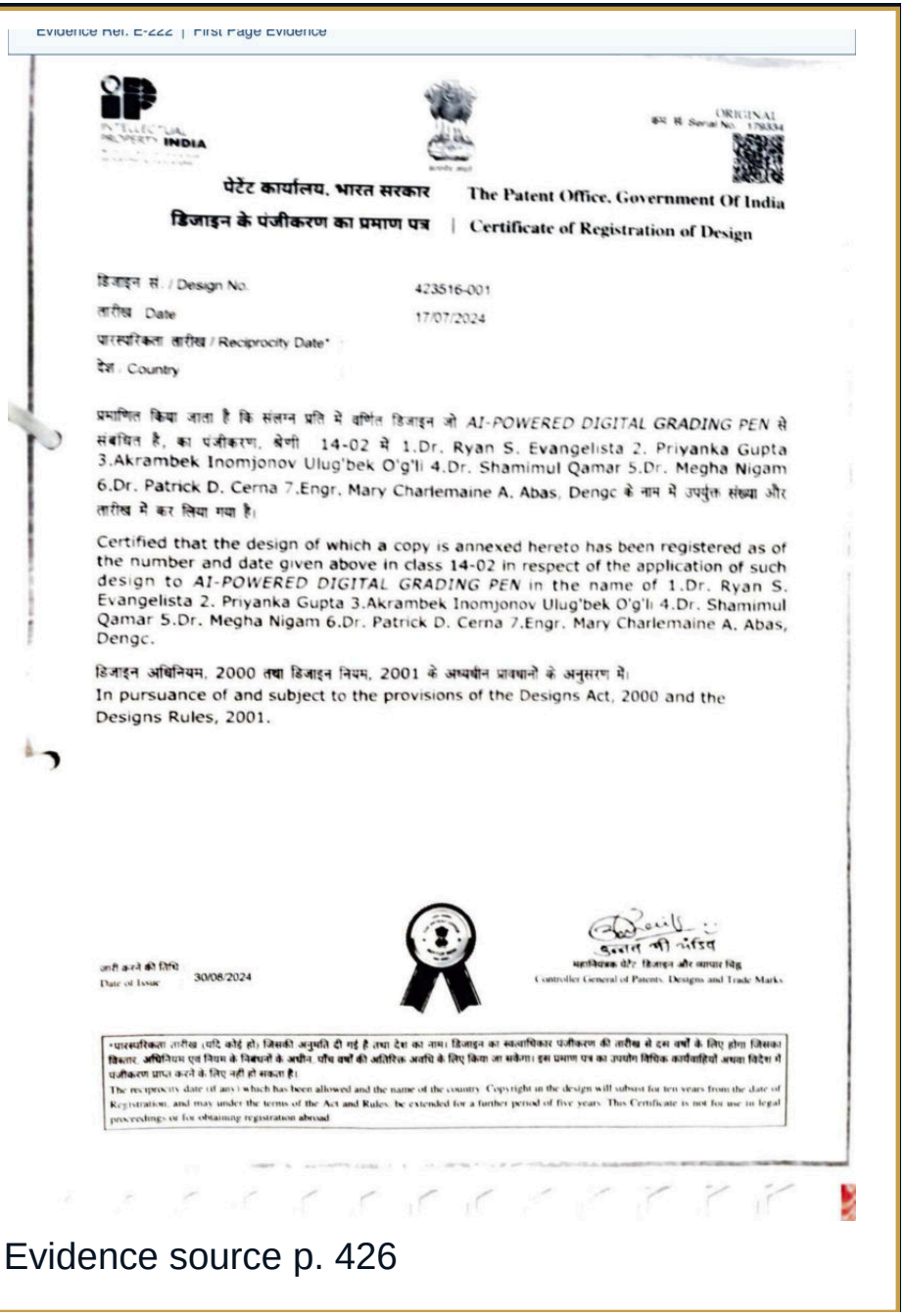
Adam Williams
Comptroller-General of Patents, Designs and Trade Marks
Intellectual Property Office
The attention of the Proprietor(s) is drawn to the important notes overleaf

Evidence source p. 421

PATENTS / DESIGNS - FIRST-PAGE EVIDENCE



Evidence source p. 425



Evidence source p. 426

Robotic Hand
Pressure-Responsive Actuation System

Developed during the COVID-19 pandemic in 2021, this robotic hand was designed as a low-cost, customizable, and responsive assistive solution. Built using 3D-printed components in our lab and actuated via digital servo motors, the hand mimics natural finger movements using steel tensile threads as tendons. A pressure sensor serves as the primary control input, enabling intuitive and sensitive operation of hand gestures based on tactile force.
This project showcases accessible robotics for prosthetic use, human-robot interaction, and tele-operation in medical or hazardous environments.

Key Features

- **Digitally Controlled Servo Actuators:** 25 kg-cm torque digital servos control individual finger movements for precision grasping.
- **Tendon-Driven Mechanism:** Steel tensile threads simulate biological tendons, translating motor motion into joint articulation.
- **3D-Printed Structure:** Lightweight, modular, and cost-effective design fabricated entirely in our in-house lab.
- **Pressure Sensor Input:** Real-time pressure feedback allows natural control of grasp force and hand gestures.
- **Customizable Fingers:** Modular phalanges enable adjustment in size and motion range for different tasks or users.
- **COVID-Responsive Design:** Built during the pandemic to reduce human touch in critical interactions and to explore remote-operated assistance tools.
- **Low-Cost and Open Design:** Designed for educational and research replication, fostering innovation in prosthetics and robotics.
- **Applications:** Useful in prosthetics, teleoperation, rehabilitation, and robotic learning systems.

Detailed Report

Robotic Hand: Pressure-Responsive Actuation System

The Robotic Hand is an intelligent, tendon-driven assistive robotic system developed during the COVID-19 pandemic in 2021 as a low-cost, customizable, and human-centric solution for robotic manipulation and remote interaction. The system was conceptualized and fabricated entirely in-house using 3D printing technology, digital servo actuation, and pressure-responsive control mechanisms to mimic the natural movement of the human hand.

The project was initiated with the objective of creating an accessible robotic platform capable of assisting in touchless interaction, prosthetic research, rehabilitation studies, and teleoperated handling in hazardous or medical environments. During the pandemic, the need for reduced human contact, remote assistance tools, and affordable healthcare-oriented robotics became highly significant. This robotic hand was therefore designed as a modular and scalable platform that combines mechanical simplicity with intelligent control.

The hand operates using a tendon-inspired mechanism similar to the biological anatomy of the human hand. Instead of rigid linkages, steel tensile threads are used as artificial tendons. These tendons are connected between the finger joints and high-torque digital servo motors. When the servo rotates, the tendon pulls the phalanges, causing finger flexion similar to human grasping motion. Upon release, the fingers return to their original position through elastic restoring mechanisms and joint design geometry.

INTELLECTUAL PROPERTY INDIA

सत्यमेव जयते

ORIGINAL

क्रम सं/ Serial No. : 217509

पेटेंट कार्यालय, भारत सरकार **The Patent Office, Government Of India**

डिजाइन के पंजीकरण का प्रमाण पत्र | Certificate of Registration of Design

डिजाइन सं. / Design No.	:	474361-001
तारीख / Date	:	21/09/2025
पारस्परिकता तारीख / Reciprocity Date*	:	
देश / Country	:	

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो *AI - BASED PLANT EXTRACT ANALYSING DEVICE TO IDENTIFY DISEASE* से संबंधित है, का पंजीकरण, श्रेणी 24-02 में 1.Dr. N. Pazhaniraja 2. Ms. Archana Dwivedi 3.Dr. Innasi Susairaj Beschi 4.Padmini Mishra 5.Dr. B. Sandhiya 6.Dr. Sangita Gautam Lade के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 24-02 in respect of the application of such design to *AI - BASED PLANT EXTRACT ANALYSING DEVICE TO IDENTIFY DISEASE* in the name of 1.Dr. N. Pazhaniraja 2. Ms. Archana Dwivedi 3.Dr. Innasi Susairaj Beschi 4.Padmini Mishra 5.Dr. B. Sandhiya 6.Dr. Sangita Gautam Lade.

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अध्यधीन प्रावधानों के अनुसरण में।

In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

जारी करने की तिथि 24/12/2025
Date of Issue

उमा शंकर पांडेय
महानियंत्रक पेटेंट, डिजाइन और व्यापार चिह्न
Controller General of Patents, Designs and Trade Marks

*पारस्परिकता तारीख (यदि कोई हो) जिसकी अनुमति दी गई है तथा देश का नाम। डिजाइन का स्वत्वाधिकार पंजीकरण की तारीख से दस वर्षों के लिए होगा जिसका विस्तार, अधिनियम एवं नियम के निबंधनों के अधीन, पाँच वर्षों की अतिरिक्त अवधि के लिए किया जा सकेगा। इस प्रमाण पत्र का उपयोग विधिक कार्यवाहियों अथवा विदेश में पंजीकरण प्राप्त करने के लिए नहीं हो सकता है।

The reciprocity date (if any) which has been allowed and the name of the country. Copyright in the design will subsist for ten years from the date of Registration, and may under the terms of the Act and Rules, be extended for a further period of five years. This Certificate is not for use in legal proceedings or for obtaining registration abroad.

Office of the Controller General of Patents, Designs & Trade Marks
Department for Promotion of Industry and Internal Trade
Ministry of Commerce & Industry,
Government of India

(http://ipindia.nic.in/index.htm)

INTELLECTUAL PROPERTY INDIA (http://ipindia.nic.in/index.htm)

Application Details

APPLICATION NUMBER	202541035287
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	10/04/2025
APPLICANT NAME	1 . B. Ganga 2 . Vamsi Krishna Chidipothu 3 . Ms. Archana Dwivedi 4 . Dr. Preeti Singh 5 . M. Maheshwari 6 . Prof. Sivakumar. N 7 . Nishanthi. U 8 . Modalavalasa Divya 9 . H. Umesh Prabhu 10 . Poorna Shree Thangaraj
TITLE OF INVENTION	Serverless Cloud Computing Architecture for High-Performance AI Processing
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	mail2patentipr@gmail.com
ADDITIONAL-EMAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	09/05/2025

Application Status

APPLICATION STATUS

Awaiting Request for Examination

View Documents

➡ Filed ➡ Published ➡ RQ Filed ➡ Under Examination ➡ Disposed

Office of the Controller General of Patents, Designs & Trade Marks
Department for Promotion of Industry and Internal Trade
Ministry of Commerce & Industry,
Government of India

(http://ipindia.nic.in/index.htm)

INTELLECTUAL PROPERTY INDIA
PATENTS | DESIGNS | TRADE MARKS | GEOGRAPHICAL INDICATIONS

(http://ipindia.nic.in/index.htm)

Application Details

APPLICATION NUMBER	202511027359
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	24/03/2025
APPLICANT NAME	1 . Prof. (Dr.) SYED HAIDER ALI 2 . APARNA SINGH 3 . Dr. SANGEETA MISHRA 4 . Dr INA KAPOOR 5 . RAMAKANT KATIYAR
TITLE OF INVENTION	AI-POWERED PERSONALIZED LEARNING PLATFORM
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	silverliningipr@gmail.com
ADDITIONAL-EMAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	04/04/2025

Application Status

INTELLECTUAL PROPERTY INDIA

ORIGINAL
क्रम सं/ Serial No. : 194634

पेटेंट कार्यालय, भारत सरकार The Patent Office, Government Of India

डिजाइन के पंजीकरण का प्रमाण पत्र | Certificate of Registration of Design

डिजाइन सं. / Design No.	:	442910-001
तारीख / Date	:	03/01/2025
पारस्परिकता तारीख / Reciprocity Date*	:	
देश / Country	:	

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो *SELF-CONFIDENCE ASSESSMENT DEVICE* से संबंधित है, का पंजीकरण, श्रेणी 14-02 में 1.Dr. Sapna Kasliwal 2. Dolly Smita 3.Dr. Tarit Agrawal 4.Dr. Shailesh Malviya 5.Ms Abhilasha Varma 6.Dr. M Vanishree 7.Ms. Richa Verma के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 14-02 in respect of the application of such design to *SELF-CONFIDENCE ASSESSMENT DEVICE* in the name of 1.Dr. Sapna Kasliwal 2. Dolly Smita 3.Dr. Tarit Agrawal 4.Dr. Shailesh Malviya 5.Ms Abhilasha Varma 6.Dr. M Vanishree 7.Ms. Richa Verma.

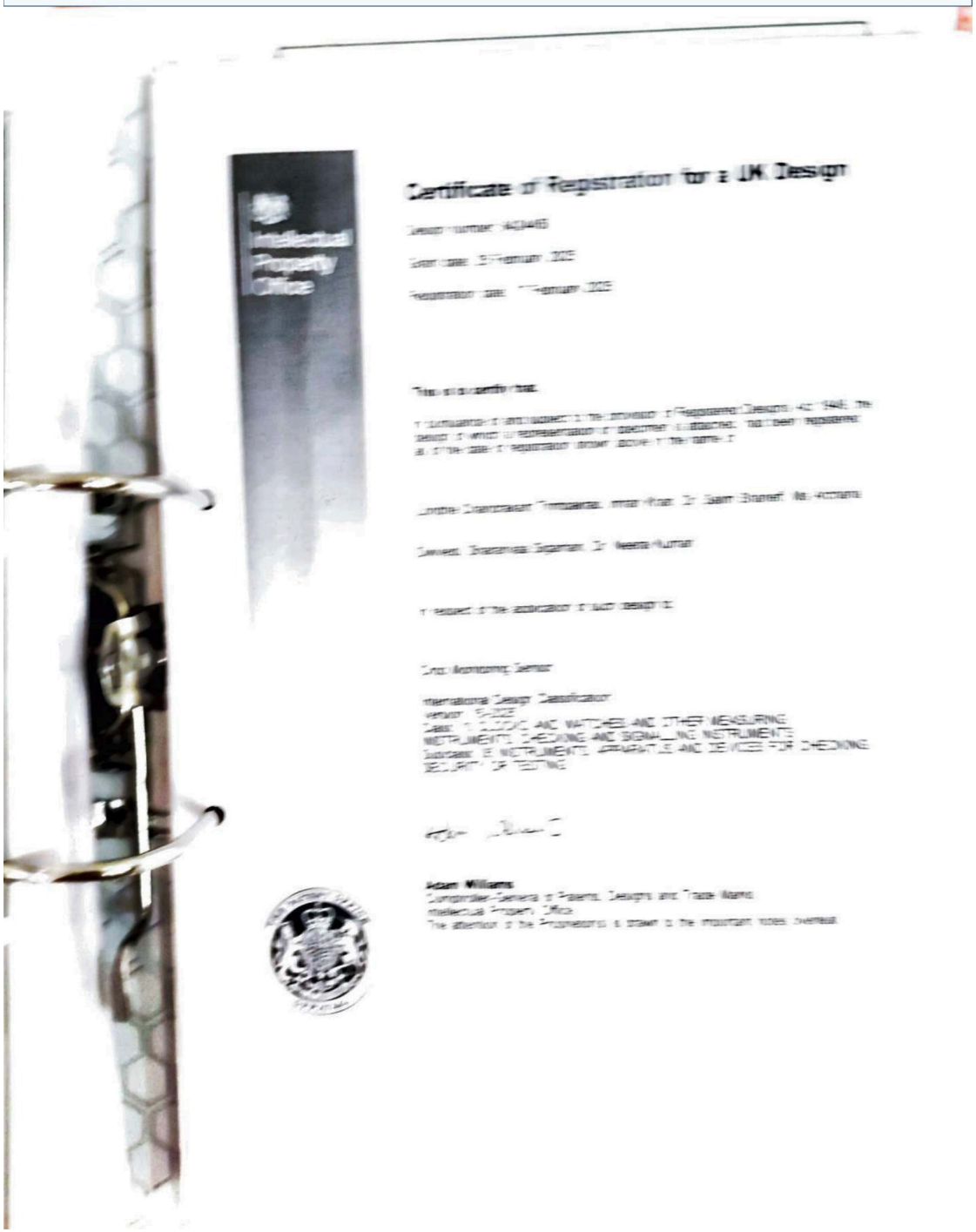
डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अध्यधीन प्रावधानों के अनुसरण में।
In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

जारी करने की तिथि
Date of Issue 17/03/2025

महानियंत्रक पेटेंट, डिजाइन और व्यापार चिह्न
Controller General of Patents, Designs and Trade Marks

*पारस्परिकता तारीख (यदि कोई हो) जिसकी अनुमति दी गई है तथा देश का नाम। डिजाइन का स्वत्वाधिकार पंजीकरण की तारीख से दस वर्षों के लिए होगा जिसका *उत्तरवर्ती अधिनियम एवं नियम के निबंधनों के अधीन, पाँच वर्षों की अतिरिक्त अवधि के लिए किया जा सकेगा। इस प्रमाण पत्र का उपयोग विधिक कार्यवाहियों अथवा विदेश में पंजीकरण प्राप्त करने के लिए नहीं हो सकता है।

The reciprocity date (if any) which has been allowed and the name of the country. Copyright in the design will subsist for ten years from the date of



Certificate of Registration for a UK Design

160

Intellectual Property Office

Certificate of Registration for a UK Design

Design number 6424450

Grant date 25 February 2025

Registration date 17 February 2025

This is to certify that,

in pursuance of and subject to the provision of Registered Designs Act 1949, the design of which a representation or specimen is attached, had been registered as of the date of registration shown above in the name of

Londhe Chandrakant Trimbakrao, Imran Khan, Dr. Salim Sharieff, Ms Archana Dwivedi, Sharanyaa Sigamani, Dr. Neeraj Kumari

in respect of the application of such design to

Crop Monitoring Sensor

International Design Classification
Version 15-2025
Class 10 CLOCKS AND WATCHES AND OTHER MEASURING INSTRUMENTS, CHECKING AND SIGNALLING INSTRUMENTS
Subclass 05 INSTRUMENTS, APPARATUS AND DEVICES FOR CHECKING, SECURITY OR TESTING

Adam Williams
Comptroller-General of Patents, Designs and Trade Marks
Intellectual Property Office
The attention of the Proprietor(s) is drawn to the important notes overleaf



Representation of Designs

