



BBDITM

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Bits & Bytes

Magazine

Department of CSE



**BBD City, Ayodhya Road,
Lucknow, UP-226028 India**

June
2023-24



DEPARTMENT

- With the passage of time and expansion, the department has succeeded in carving out a place of distinction not just inside the institution, but also among its peers across the country.
- It has attracted bright students from all over the country for quality education in computer science and engineering. The department provides a vibrant educational environment.
- Students studying computer science at the BBDITM are in great demand in the software sector.

Our alumni work in key national and worldwide software firms like as IBM, TCS, Oracle, Microsoft, Convergeis, Birlasoft, and others



VISION OF DEPARTMENT

"To produce globally competent professionals having social values and commitment to serve the global needs with the ability to work in an interdisciplinary environment."



MISSION OF DEPARTMENT

- To impart quality education to the students to enhance their ethical, professional and leadership qualities to make them globally competitive.
- To create a conducive environment in which students can explore computational problems and analyze them to identify the optimal solutions.
- To strive for continual enhancement of technical knowledge & innovation through industry interface to accomplish global needs

VISION OF INSTITUTE

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



MISSION OF INSTITUTE

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

PSO's & PEO's

PROGRAM SPECIFIC OUTCOMES (PSOs)

- Able to design and implement the data structures and algorithms to deliver quality software products.
- Able to apply Artificial Intelligence and Machine Learning to solve society - related needs.

PROGRAM EDUCATIONAL OUTCOMES (PEOs)

- **PEO-1: Problem-Solving and Analytical Thinking:** To apply computing principles to analyze complex problems, design effective solutions, and implement them to meet global standards.
- **PEO-2: Global Competitiveness and Technology Advancement:** To develop cutting-edge technology-driven projects that address global needs, foster a culture of continual enhancement and drive innovative solutions.
- **PEO-3: Sustainable Leadership and Responsible Innovation:** To demonstrate effective leadership, collaboration, and a deep understanding of the societal implications of technology, leading to responsible and sustainable outcomes.

CHERISHING FOUNDER



Late Babu Banarasi Das Ji

EX CHIEF MINISTER GOVT. UTTAR PRADESH

“To provide an open opportunity to the young generation for evolving their core competencies and to build their career as world class professionals with broad based foundation, in-depth knowledge & versatile personality to meet the challenges of Global Economy...”

– Babuji’s Vision
(1912 – 1985)



Late Dr. Akhilesh Das Gupta

EX MEMBER PARLIAMENT (RAJYA SABHA) EX - MAYOR LUCKNOW EX - UNION STEEL MINISTER, HONORABLE FOUNDER CHAIRMAN, BBD GROUP, HEAL SO SERVE DAS VICE - PRESIDENT OF BADMINTON SR. VICE PRESIDENT OF INDIAN OLYMPIC ASSOCIATE & PRESIDENT ON BADMINTON ASSOCIATION INDIA.

“We not only make techocrats at BBD, we churn out citizens of the world, perfect in all respect in all respects, be it leadership, competence, confidence, communication, moral or knowledge...” – Akhilesh Das Gupta’s Vision.



MRS. ALKA DAS

CHANCELLOR, BBDU, LUCKNOW CO-FOUNDER, BBD GROUP OF EDUCATION ADVOCATE & SOCIAL WORKER



MR. VIRAJ SAGAR DAS

President BBD GROUP, President, UP Badminton Association Vice President, India Badminton Association

PUBLICATIONS

- The paper entitled ReformDentistry: A web-based platform for revolutionizing dentistry by MR. VINEET AGARWAL Published in "INTERNATIONAL CONFERENCE ON ADVANCES IN EMERGING TRENDS IN COMPUTER APPLICATIONS (ICAETC-2023)" ISSN No.: 1
- The paper entitled Reform Dentistry: Gesture Speak: Sign Language Recognition by Amit Kumar Sachan Published in "INTERNATIONAL CONFERENCE ON ADVANCES IN EMERGING TRENDS IN COMPUTER APPLICATIONS (ICAETC-2023)" ISSN No.: 1
- The paper entitled Reform Dentistry: Vision Based Lip Reading System Using Deep Learning by Amit Kumar Sachan Published in "INTERNATIONAL CONFERENCE ON ADVANCES IN EMERGING TRENDS IN COMPUTER APPLICATIONS (ICAETC-2023)" ISSN No.: 1
- The paper entitled Reform Dentistry: MobileNet-v3 : A Comprehensive Survey of Object Detection Algorithms Using CNN by Vinayak Published in "INTERNATIONAL CONFERENCE ON ADVANCES IN EMERGING TRENDS IN COMPUTER APPLICATIONS (ICAETC-2023)" ISSN No.: 1
- The paper entitled Reform Dentistry: Emerging Trends in Store Management System Software : A Comprehensive Review by Vinayak Published in "INTERNATIONAL CONFERENCE ON ADVANCES IN EMERGING TRENDS IN COMPUTER APPLICATIONS (ICAETC-2023)" ISSN No.: 1

PUBLICATIONS

- The paper entitled Reform Dentistry: MobileNet-v3 : Early Stage Lung Cancer Detection Using RESNET by Vinayak Published in "INTERNATIONAL CONFERENCE ON ADVANCES IN EMERGING TRENDS IN COMPUTER APPLICATIONS (ICAETC-2023)" ISSN No.: 1
- The paper entitled Reform Dentistry: Vision Based Lip Reading System Using Deep Learning by Amit Kumar Sachan Published in "INTERNATIONAL CONFERENCE ON ADVANCES IN EMERGING TRENDS IN COMPUTER APPLICATIONS (ICAETC-2023)" ISSN No.: 1
- The paper entitled Influence of Artificial Intelligence on the Evolution of Coding Language by Mr. Ankit Singh published in International Research Journal of Engineering and Technology (IRJET) ISSN No.: 23950072.
- The paper entitled Creating Intuitive Teaching Methods for Advanced Mathematics Education: Original Approaches to Simplify Successive Differentiation by Dr. Ram Bhushan published in Journal of Science Innovations and Nature of Earth ISSN No.: 25-83-2293, Volume: 4, Pages: 13-16.



PUBLICATIONS





Pawan Kumar¹, Shivesh Mani Tripathi^{*1}, Ram Bhushan²

¹Department of Applied Sciences and Humanities, IE7, Dr Shakuntala Misra National Rehabilitation University, Lucknow, 226017, India

Corresponding Author E-mail: shiveshmanitrisathce@gmail.com

Corresponding Author E-mail: shiveshmanitripahee@gmail.com

Abstract

Abstract
This study strives to transform advanced mathematics education through the introduction of original and intuitive teaching methods for successive differentiation. Using innovative methods, the goal of this research is to simplify the complex situation of this concept, through which learners sense better associability. This research explores unique pedagogical techniques and strategies which focusing on improving the clarity and understanding. In this paper we are discussing common difficulties in understanding successive differentiation; the aim proposed methods is to improve the whole learning experience. This research combines theoretical understandings with real world applications, which promotes a deeper understanding of successive differentiation. The aim of this research is to give valuable methods for teachers or students, contributing to a more engaging and effective learning environment in the field of advanced mathematics.

Keywords: Intuitive teaching methods, advanced mathematics, successive differentiation

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Introduction

Introduction

In the field of mathematics education, this study presents a ground breaking initiative centered on idea of intuitive or innovative teaching methods for the concept of successive differentiation. The objective is to change the traditional and old approach, making this complex mathematical idea more accessible and understandable for students. Furthermore, this study is aligned with the findings of (2007). By implementing of innovative and creative teaching techniques, the aim of this research is to simplify the difficulties associated with successive differentiation. By addressing the common difficulties in understanding this mathematical concept, the proposed study is designed to significantly improve the learning experience of students. This study looks into the development of original methodologies and creates unique technique, maintaining transparency and develops a deep understanding of successive differentiation. This research combines theoretical understanding with real-world applications, offering a comprehensive view which improves learning experience.

This research aims to offer useful tools for both educators and students with a dedication to bridging the gap between theory and real world applications, (Tall, 1991). The main goal of this research is to establish a more effective learning environment to engage the educators and students so that it can be catalyze a shift in such a way that successive differentiation is taught and absorbed in advanced mathematics education. Our aim is to establish the foundation for a revolutionary learning experience in advanced mathematics by this innovative research.

Literature Review

Literature Review

The process of differentiating a function more than one time with respect to the same variable is called successive differentiation. Its main objective is to analyse higher order derivatives in order provide better understandings of the behaviour of the functions through which one can obtain information on slope, concavity, and point of inflexion and can aid up the understanding of changing rates. This is helpful in much discipline such as physics, engineering, and related fields where deep study of system or function behaviour is more important. The rate of change of the ($n-1$)th derivative is given mathematically by n th derivative. The applications of successive differentiation in solving differential equations, through variety of scientific and engineering contexts, optimization, Taylor series expansions, and across.

Performances of Previous Methods

The method of successive differentiation also known as repeated differentiation more than one time that is a mathematical technique or method which is used for determining higher-order derivatives terms of a function. Its effectiveness depends on the complexity of the function and the degree of the differentiations applied. [Hadamard (1945)]. We are giving some points to modify performance of teaching method on successive differentiation:

1. Precision: By applying intuitive teaching method to determine higher order differentiations, the application of successive differentiation can give more precise and accurate results for standard functions (Giant D (2001)).

APPRECIATION OF FACULTY

Some of the faculties were appreciated for their tremendous work, outstanding performance and astonishing efforts towards the students' development, overall growth and beneficiary steps for the BBDITM Institution and its well-being. Below are the names of the faculties that were appreciated by our BBDITM Institution:-

- **Dr. Abhishek Madheshiya (ASH)- Physics**
- **Mr. Suraj Srivastava (ASH)- Engg. Mech.**
- **Mr. Surya Vikram Singh (AI-ML)**
- **Dr. Diwakar Yagyasen (CSE)**
- **Mr. Sandeep Mishra (CSE)**
- **Ms. Padmini Mishra (CSE)**
- **Dr. Rupali Agarwal (ECE)**
- **Mr. Manish Singh (IT)**
- **Dr. Supriya Phurailatpam (CE)**

Student's in TECHNICAL EVENTS

Some of the students outshined and bagged specific participation and position in some of the respective technical events and brought happiness and pride to BBDITM institution. The name of the students are mentioned below:-

S.N	Name Of The Student	Name Of The Event	State /National/ International Level	Date Of Event	Name Of The Award If Any
1	Shikhar Nigam	Bug Thug	State Level	17-Apr-2024	1st Position
2	Satyam Mishra	Microsoft Campus Visit tour	National Level	17-Feb-2024	Best Microsoft Student Ambassador

FACULTY DEVELOPMENT PROGRAM

- **MR. VINEET AGARWAL** from CSE, BBDITM LUCKNOW participated in 10 days Faculty Development Program on **ADVANCE TOOLS AND TECHNIQUES FOR RESEARCH METHODOLOGY**.
Organized by: RESEARCH FOUNDATION OF INDIA & RFI-CARE.
- **MR. VINAYAK** from CSE, BBDITM LUCKNOW participated in 1 day Faculty Development Program on **Python for Data Science**.
Organized by: INFOSYS SPRINGBOARD.
- **MR. VINAYAK** from CSE, BBDITM LUCKNOW participated in 3 days Faculty Development Program on **Data Visualisation using Python**.
Organized by: INFOSYS SPRINGBOARD.
- **MR. VINAYAK** from CSE, BBDITM LUCKNOW participated in 1 day Faculty Development Program on **Basics of Linear Algebra using Python**.
Organized by: INFOSYS SPRINGBOARD.
- **Mr. Vineet Agarwal**, from the Department of Computer Science & Engineering, BBDITM, Lucknow, successfully participated in a 10-day Faculty Development Program on "Advanced Tools and Techniques for Research Methodology," held from 15th January 2024 to 24th January 2024.
Organized by: *Research Foundation of India & RFI-CARE.*
- **Mr. Deepak Pant**, from the Department of Computer Science & Engineering, BBDITM, Lucknow, successfully completed a Faculty Development Program on "Machine Learning with Python," conducted from 22nd July 2024 to 3rd August 2024.
Organized by: *E & ICT Academy, IIT Kanpur (A Joint initiative of MeitY & IIT Kanpur).*

FACULTY DEVELOPMENT PROGRAM

- **Ms. Pritee Mishra**, from the Department of Computer Science & Engineering, BBDITM, Lucknow, successfully completed a certification course on "Software Engineering and Agile Software Development" on 22nd July 2024.
Organized by: Infosys Springboard.
- **Ms. Pritee Mishra**, from the Department of Computer Science & Engineering, BBDITM, Lucknow, successfully completed a course on "Continuous Integration and Delivery – DevOps" on 25th July 2024.
Organized by: Infosys Springboard.
- **Ms. Richa Verma**, from the Department of Computer Science & Engineering, RITM, Lucknow, successfully participated in a one-week National Level Faculty Development Program on "Artificial Intelligence Beyond Today: Exploring Emerging Trends and Possibilities" from 5th January 2024 to 10th January 2024.
Organized by: Department of CSE, Chandigarh University (in hybrid mode).



FACULTY DEVELOPMENT PROGRAM



PUBLICATIONS

- **AryaSrivastava, PalakChaubey, Manasvi Sonkar, "Approach to Recognize Fake News", 2023 International Conference on Advances in Emerging Trends in Computer Applications (ICAETC-2023), ISSN no.5.**
- **Rohit Singh, "Detection of Phishing attacks using machine Learning", 2023 International Conference on Advances in Emerging Trends in Computer Applications (ICAETC-2023), ISSN No.141.**
- **Willia Yameen, "Health : Personalised Android Health Applications using AI", 2023 International Conference on Advances in Emerging Trends in Computer Applications (ICAETC-2023), ISSN No.7.**
- **Anuj Singh, "Educational Electroal Process : The Role of "Smart Voting System", 2023 International Conference on Advances in Emerging Trends Computer Applications (ICAETC-2023), ISSN No.5.**
- **Shreya Singh, "Agriculture : Soil Analysis for Suitable Crop and Fertilizer prediction", 2023 International Conference on Advances in Emerging Trends in Computer Applications (ICAETC-2023), ISSN no.163.**
- **Shashank Pratap Maurya, "Phishing website detection using ML", 2023 International Conference on Advances in Emerging Trends in Computer Applications (ICAETC-2023).**
- **Sameer, "A Comprehensive Review on Tomato Plant Disease Detection using Convolutional Neural Network", 2023 International Conference on Advances in Emerging Trends in Computer Applications (ICAETC-2023).**
- **Rudra Pratap Singh, "A Comprehensive Review on Tomato Plant Disease Detection using Convolutional Neural Network", 2023 International Conference on Advances in Emerging Trends in Computer Applications (ICAETC-2023).**

PUBLICATIONS

- **Uday Bhan Mishra, "Fishing website detection using Ai and MI", 2023 International Conference on Advances in Emerging Trends in Computer Applications (ICAETC-2023).**
- **Shubham Vishwakarma, "Potato Leaf Disease Classification & Prediction Using CNN", 2023 International Conference on Advances in Emerging Trends in Computer Applications (ICAETC-2023).**
- **Uday Pratap Singh, "Potato Leaf Disease Classification & Prediction Using CNN", 2023 International Conference on Advances in Emerging Trends in Computer Applications (ICAETC-2023).**
- **Satyam Srivastava, "Phishing Website Detection Using ML ", 2023 International Conference on Advances in Emerging Trends in Computer Applications (ICAETC-2023).**
- **Vinayak Pandey, "Potato Leaf Disease Classification & Prediction Using CNN ", 2023 International Conference on Advances in Emerging Trends in Computer Applications (ICAETC-2023).**
- **Rasheeq Zehra, "MobileNet-v3 : A Comprehensive Survey of Object Detection Algorithms Using CNN ", 2023 International Conference on Advances in Emerging Trends in Computer Applications (ICAETC-2023).**

PUBLICATIONS

- The paper entitled **Deanononymization Tools** by Yashwant Kumar Sharma published in IEEE Transactions on Information Forensics and Security (TIFS) ISSN No.: 1556-6013 (Print), 1556-6021 (Online).
- The paper entitled **Digital Dwelling Hub: Revolutionizing Real Estate with AR and Smart Home Integration** by Tanya Singh & Vaibhav Srivastava published in ICAETC.

Deanononymization Tool

¹Babu Banarasi Das Institute of Technology and Management, Lucknow, Uttar Pradesh

Abstract Deanononymization tools are designed to unmask hidden identities or reconstruct obscured information, often leveraging advanced data analysis techniques. These tools have applications across cybersecurity, digital forensics, and law enforcement. The goal of this study is to develop a deanononymization tool that leverages metadata analysis, pattern recognition, and machine learning algorithms to identify and correlate digital footprints left across diverse platforms. This tool targets scenarios involving anonymized communication, obfuscated data logs, and masked web interactions, aiming to reveal underlying identities without compromising ethical boundaries.

Our proposed tool employs multi-layered analysis, starting with metadata extraction from network packets, social media footprints, or anonymized datasets. By correlating temporal, spatial, and contextual parameters, the system constructs potential user profiles. Next, machine learning models analyze behavioral patterns, leveraging clustering and classification algorithms to match anonymized entities with known datasets. The system also integrates Natural Language Processing (NLP) techniques for deanononymizing text-based communications, extracting linguistic traits that can link anonymous entities to real-world users.

Ethical considerations and regulatory compliance are central to this project, ensuring the tool is used responsibly. Stringent safeguards are incorporated to prevent misuse, and its deployment is intended for authorized personnel in scenarios such as criminal investigations, fraud detection, and cyber threat mitigation.

INTRODUCTION

In an era where online anonymity is crucial for privacy and security, deanononymization tools have emerged as powerful techniques for unmasking entities attempting to conceal their identities. These tools are designed to analyze network traffic, metadata, and operational security (OpSec) weaknesses to correlate anonymous online activity with real-world identities. While they are primarily used in cybersecurity research, digital forensics, and law enforcement investigations, they also raise significant ethical concerns regarding user privacy and surveillance.

How Deanononymization Works

Deanononymization tools rely on several key methodologies to identify users on anonymity networks like TOR (The Onion Router), I2P, and VPN services:

- Traffic Analysis and Correlation Attacks**
 - TOR anonymizes users by encrypting and routing traffic through multiple nodes. However, an attacker with access to both entry and exit nodes can perform traffic correlation by analyzing packet timing and volume.
- Metadata Extraction and Browser Fingerprinting**
 - Many websites and servers inadvertently leak metadata that can help identify users. Tools like Onionscan scan hidden services for misconfigurations, exposed SSL certificates, and HTTP headers that reveal details about the host.
 - Browser fingerprinting techniques, used by services like Panopticon, analyze device-specific attributes (screen resolution, installed fonts, user agent) to uniquely identify users, even without IP tracking.
- IP and DNS Leakage Exploits**
 - VPNs and anonymity tools sometimes suffer from WebRTC leaks, DNS leaks, or IPoB misconfigurations, allowing an attacker to retrieve the real IP address of a user.
 - Specialized tools and scripts monitor for these leaks, providing a way for attackers to bypass anonymization layers.
- Operational Security (OpSec) Mistakes**
 - A significant number of deanononymization cases involve human errors rather than purely technical exploits. For instance, in the Silk Road case, Ross Ulbricht reused the same online pseudonym across different forums, allowing law enforcement to connect his anonymous activity with his real identity.
 - Law enforcement agencies use sophisticated OSINT (Open-Source Intelligence) tools to monitor such mistakes, linking pseudonymous activity to real-world individuals.

Popular Deanononymization Tools

Several tools and frameworks are used in research and investigations to analyze anonymous traffic and uncover hidden identities:

- Wireshark & TShark:** Used for deep packet inspection and network traffic analysis.
- Onionscan:** A tool specifically designed to detect misconfigurations in hidden services on the TOR network.
- MITMproxy:** A tool for intercepting and analyzing encrypted network traffic.
- Maltego:** A powerful OSINT tool for mapping digital footprints and tracking online identities.

**INTERNATIONAL CONFERENCE ON
ADVANCES IN EMERGING TRENDS IN COMPUTER APPLICATIONS (ICAETC-2023)**

On December 21-22, 2023

Organised by
Babu Banarasi Das Institute of Technology & Management, Lucknow.

This Certificate is presented to **Dr/Mr/Mrs.**

Tanya Singh

For his/her Paper titled

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

In International Conference on Advances in Emerging Trends in Computer Applications (ICAETC-2023), organized by the Department of Computer Science and Engineering, Babu Banarasi Das Institute Of Technology And Management, Lucknow on 21-22 December 2023.

Dr. Anurag Tiwari
 Head CSE & Convener

Dr. Manoj Dabari
 Head R&D & Convener

Dr. Shalendra Singh Chahnan
 Director

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

Rajeev Srivastava Department of Computer Science and Engineering Babu Banarasi Das Institute of Technology and Management Lucknow, India rajeevsrivastava@bbsitm.ac.in	Tanya Omar Department of Computer Science and Engineering Babu Banarasi Das Institute of Technology and Management Lucknow, India tanyamar28@gmail.com	Tanya Singh Department of Computer Science and Engineering Babu Banarasi Das Institute of Technology and Management Lucknow, India tstanya1503@gmail.com
Vaibhav Srivastava Department of Computer Science and Engineering Babu Banarasi Das Institute of Technology and Management Lucknow, India vaibhavsrivastava0803@gmail.com	Suraj Chhetri Department of Computer Science and Engineering Babu Banarasi Das Institute of Technology and Management Lucknow, India surajchhetri17@gmail.com	Shaurya Kumar Department of Computer Science and Engineering Babu Banarasi Das Institute of Technology and Management Lucknow, India shauryakumar852002@gmail.com

Abstract

The uprising potential of augmented reality (AR) technology in the real estate business is examined in this thorough review article. It highlights the prospects modern technologies bring to potential purchasers while acknowledging their influence on interior design, decision-making processes, and the visualization of properties. These apps provide safe and effective ways for people to find homes that fit their needs, modernized property searches and transactions. The analysis also emphasizes how important internet real estate applications are, especially in times of crisis like the COVID-19 outbreak. In-depth investigation of realistic AR integration, highly developed data analytics, efficient blockchain-based transactions, machine learning for fraud detection, and the evaluation of user experience and acceptability are among the important study fields the report highlights for the future. It also emphasizes how crucial it is to take ethical and legal issues into account, understand market dynamics and economic effects, carry out comparative research, have a global viewpoint, and look at the long-term effects of technology adoption in the real estate industry. This article offers academics and business experts a road map for addressing the changing demands of the real estate sector via ethical and technical innovation. In conclusion, the incorporation of AR technology into the real estate industry, in conjunction with technological integration overall, has the potential to provide more transparent, knowledgeable, and adaptable market.

Keywords: Augmented Reality, Real Estate, MERN Stack

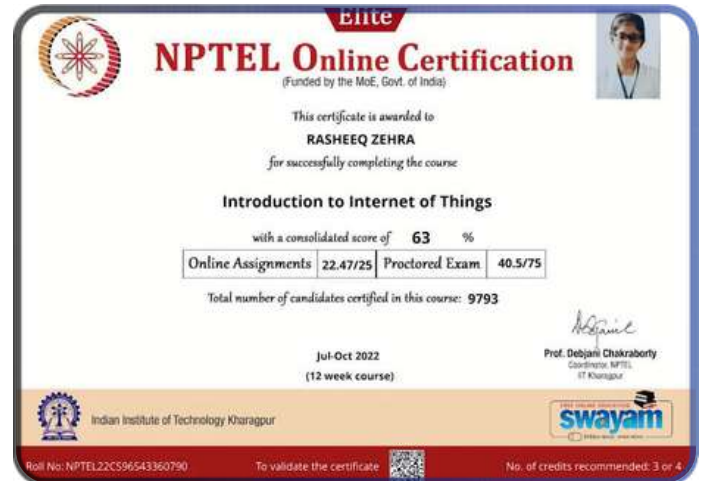
Introduction

The "Digital Dwelling Hub" project is a ground breaking initiative leveraging the MERN stack, augmented reality (AR) restructure the way users interact with both their living spaces. The MERN stack used in this project forms the core foundation, employing Node.js is used for efficient real-time data processing. For robust backend development Express is used. React for an intuitive user interface, and MongoDB for seamless data management.

This not only facilitates remote learning but also provides an innovative way for users to explore potential living spaces, creating a dynamic and engaging experience. The integration of virtual reality takes the user experience to new heights by immersing users in digital environments tailored for virtual rooms and realistic previews of accommodations.

Augmented reality, on the other hand, enhances the physical world with digital overlays, enhancing overall experiences and improving various home-related services.

- **WillaYameen** certified for successfully completing the course "Emotional Intelligent" with a consolidated score of 82%.
- **Shreya Singh** certified for successfully completing the course "Enhancing soft skills and Personality" with a consolidated score of 60%.
- **AaroHi Rai** certified for successfully completing the course "Developing Soft Skills and Personality" with a consolidated score of 58%.
- **Palak Chaubey** certified for successfully completing the course "Design thinking – A Primer" with a consolidated score of 68%.
- **Rasheeq Zehra** certified for successfully completing the course "Internet of Things " with a consolidated score of 63%.
- **Vartika Raj** certified for successfully completing the course "Internet of Things " with a consolidated score of 63%.
- **Ayush Verma** successfully completed a 12-week NPTEL Online Certification Course on "Programming in Java" conducted by IIT Kharagpur, from January to April 2024, with a consolidated score of 41%.
- **Ahan Raj** successfully completed a 12-week NPTEL Online Certification Course on "Programming in Java" conducted by IIT Kharagpur, from January to April 2024, with a consolidated score of 71%.
- **Arushi Jaiswal** successfully completed a 12-week NPTEL Online Certification Course on "Programming in Java" conducted by IIT Kharagpur, from January to April 2024, with a consolidated score of 61% and earned the Elite tag.



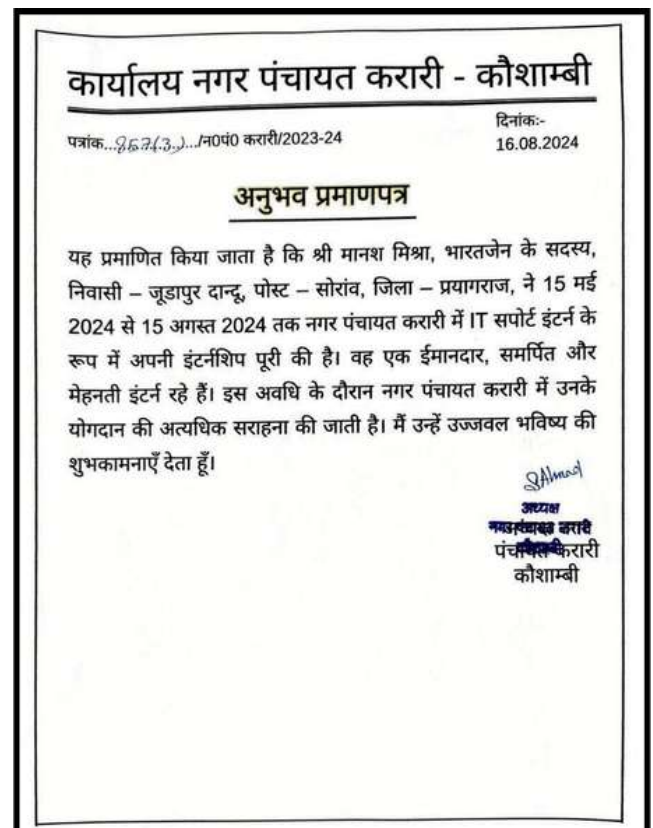
INTERNSHIPS

- Willa Yameen successfully completing the Internship in "Web Developer" through "CodeSoft" organization, Duration – 8 weeks.
- Anuj Singh successfully completing the Internship in "Enhancing Electoral Processes: The Role of "Smart Voting Systems" through "BBDITM" organization, Duration – 8 weeks.
- Shreya Singh successfully completing the Internship in "Online Movie Booking System" through "iNeuron" organization, Duration – 10 weeks.
- AaroHi Rai successfully completing the Internship in "EasyQ" through "Infosys Springboard" organization, Duration – 18 weeks.
- Arya Srivastava successfully completing the Internship in "Approach to Recognize Fake News" through "Babu Banarasi Das Institute of Technology and Management Lucknow" organization, Duration – 4 weeks.
- Arya Srivastava successfully completing the Internship in "Python With Data Science" through "Digipodium, Lucknow" organization, Duration – 4 weeks.
- Palak Chaubey successfully completing the Internship in "Core java" through "Make career" organization, Duration – 4–5 weeks.
- Manasvi Sonkar successfully completing the Internship in "Core java" through "MakeWell Career Academy " organization, Duration – 4–6 weeks.
- Shashank Pratap Maurya successfully completing the Internship in "Machine Learning " through "CodSoft" organization, Duration – 4 weeks.

INTERNSHIPS

- Sameer successfully completing the Internship in "Web Development" through "CodSoft" organization, Duration – 4 weeks.
- Rudra Pratap Singh successfully completing the Internship in "Web Development" through "Oasis Infobyte" organization, Duration – 4 weeks.
- Rasheeq Zehra successfully completing the Internship in "Mern Stack development " through "Oasis Digipodium" organization, Duration – 4 weeks.
- Samriddhi Srivastava successfully completing the Internship in "Aptitude test " through "Flipkart Runway " organization, Duration – 17-March-2024 – onward
- Manash Mishra successfully completed the Internship as "IT Support Intern" through "Nagar Panchayat Karari Kaushambi, Uttar Pradesh", Duration – 13 weeks.
- Sapna Kumari successfully completed an 80-hour training program on "MERN Stack & DSA" from 18th July 2024 to 30th August 2024, conducted by ShapeMySkills by Ducat, Noida, in association with Babu Banarasi Das Institute of Technology & Management.
- Ayush Verma successfully completed the Virtual Internship Program in "Web Development" through "Bharat Intern" as an active participant from 10th December 2023 to 10th January 2024.
- Mohd Ilyas successfully completed the Internship as "Web Development Intern" through "Sudoku CodeClause Private Limited (an ISO 9001:2015 certified organization)" from 1st December 2024 to 1st January 2025.

INTERNSHIPS



INTERNSHIPS



SPORTS & CULTURAL FEST

2023 - 24

- Rohit Singh, secured 1st position in "Football" at UTKARSH - 2024 (CollegeFest), held in Feb 2024.
- Willa Yameen, secured 1st position in "Abhinay nukkad natak" at IIM Lucknow.
- AaroHi Rai, participated in "GeeksforGeeks Technical Scripter event 2022" at GeeksforGeeks.
- Rasheeq Zehra, secured 1st position in "Think Tank - Utkarsh " at Babu Banrasi Das Fest Utkarsh-2024..
- Samridhi Srivastava has participated in "Kho-Kho, Volleyball" at Dr. Abdul Kalam Sports Fest 2023 (Zonal Level) held in Nov, 2023.
- Samridhi Srivastava has participated in "Online Quiz of the Flipkart Runway: Season 4 organised by the Flipkart ".
- Shubhangi Tiwari secured 1st position in "Shot Put" at Dr. Abdul Kalam Sports Fest 2023-24 (Zonal Level).
- Shubhangi Tiwari secured 3rd position in "Shot Put" at Dr. Abdul Kalam Sports Fest 2023-24 (State Level).
- Vartika Raj has secured 2nd position in "Flyer Fest " at Origin's 2023 at BBDITM.
- Vartika Raj has actively participated in workshop "Webinar on GSoC 2023" at BBDITM.



SPORTS & CULTURAL FEST

2023 - 24

Manash Mishra secured 1st position in "Meme-War 2024" at GDG Lucknow.

- **Manash Mishra secured 7th position in "Vlog Competition" at DevFest by GDG Prayagraj.**
- **Sapna Kumari secured 3rd position in "Solo Dance" at Multicity auditions of Anwasha'24, IIT Patna.**
- **Aditya Kumar Sonkar secured 3rd position in "Robo Race" at Technical Fest (Zonal level AKTU), Allenhouse Institute of Technology, Kanpur.**
- **Shubham Kumar Dubey secured 3rd position in "AKTU Zonal Robo Sumo Challenge" at Allenhouse Institute of Technology, Kanpur.**
- **Manash Mishra secured 3rd position in "Festival Innovators Category" at Festival of Code by Code Aakaar.**
- **Himanshu Singh secured 1st position in "Hacktoberfest 2024 Hackathon" organized by GDG on Campus.**
- **Sapna Kumari secured 1st position in "Volleyball" at Aavahan 2023, held at Dr. Ram Manohar Lohiya National Law University, Lucknow.**
- **Shubham Kumar Dubey secured 3rd position in "Exhibition" at Babu Banarasi Das University.**
- **Palak Saxena secured 2nd position in "Kabaddi" at Utkarsh 2024, held by BBD.**
- **Shubham Kumar Dubey secured 2nd position in "Robo Workshop" at BBDITM (College Campus).**
- **Samriddhi Srivastava secured 1st position in Rangriti (Cultural event) at Utkarsh'24, organized by BBD Educational Group, Lucknow from 21st to 23rd February 2024.**



SPORTS & CULTURAL FEST

2023 - 24

- Anushka Srivastava secured 3rd position in Court Proceedings (Literary event) at Utkarsh'24, organized by BBD Educational Group, Lucknow from 21st to 23rd February 2024.
- Dibbyansh Pandey secured 1st position in Bonzor (Comp.) (Cultural event) at Utkarsh'24, organized by BBD Educational Group, Lucknow from 21st to 23rd February 2024.
- Anshika Singh secured 1st position in Rangriti (Cultural event) at Utkarsh'24, organized by BBD Educational Group, Lucknow from 21st to 23rd February 2024.
- Anushika Chauhan secured 3rd position in Extempore during INSPIRUS, organized by DYUTIMAN, BBDNIIT.



Certificate

This certificate is awarded to
SAPNA KUMARI

For achieving 3rd (position) in SOLO DANCE
at Multicity auditions of Anwesha'24.


FEST CO-ORDINATOR
Anwesha'24


FEST CO-ORDINATOR
Anwesha'24


ADGAN STUDENT AFFAIRS
UT PATNA

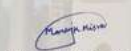

PROFESSOR INCHARGE
Cultural Affairs

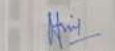

Dr. A.P.J. ABDUL KALAM TECHNICAL UNIVERSITY, UTTAR PRADESH, LUCKNOW
DR. ABDUL KALAM INTER-TECHNICAL UNIVERSITY
LITERARY, MANAGEMENT AND TECHNICAL FEST, 2024-25
(ZONAL LEVEL)
Organized at
ALLENHOUSE INSTITUTE OF TECHNOLOGY, KANPUR
(Zonal Centre)

CERTIFICATE

This is to certify that Mr./Ms. Shubham Kumar Dubey student of
BBDITM, Lucknow Roll No. 2300540100179 has participated in
Robo Sumo Challenge event and secured Third position at Dr. Abdul Kalam Inter-Technical
University Literary, Management and Technical Fest, 2024-25 (Zonal Level) held on 29th - 30th November, 2024.


Prof. Dev Singh
Coordinator
AIT Kanpur (Zonal Centre)


Prof. Manoj Kumar Misra
Director
AIT Kanpur (Zonal Centre)


Prof. O. P. Singh
Dean Student Welfare
Dr. API AKTU Lucknow


Prof. J. P. Pandey
Vice-Chancellor AIT
Dr. API AKTU Lucknow



SPORTS & CULTURAL FEST

2023 - 24



SPORTS & CULTURAL FEST

2023 - 24



SPORTS & CULTURAL FEST

2023 - 24



SPORTS & CULTURAL FEST

2023 - 24

**BABU BANARASI DAS
EDUCATIONAL GROUP**

Certificate of Merit

Awarded to Mr./Ms. Anushka Srivastava
a student of B.Tech (BBD NITM) for achieving
Prad position in HINDI DEBATE event under LITERARY
category which was an Individual/Team event, held as a part of Utkarsh24- annual fest,
organized by BBD Educational Group, Lucknow from 21st to 23rd of February 2024.


Convener


Chief Convener


Chief Executive Director

Utkarsh²⁴
बेमिसाल 25 साल

**BABU BANARASI DAS
EDUCATIONAL GROUP**

Certificate of Merit

Awarded to Mr./Ms. Sameuddhi Srivastava
a student of BBDITM for achieving
Yest position in Rangoli event under Cultural
category which was an Individual/Team event, held as a part of Utkarsh24- annual fest,
organized by BBD Educational Group, Lucknow from 21st to 23rd of February 2024.


Convener


Chief Convener


Chief Executive Director

Utkarsh²⁴
बेमिसाल 25 साल

**BABU BANARASI DAS
EDUCATIONAL GROUP**

Certificate of Merit

Awarded to Mr./Ms. Anshika Singh
a student of BBDITM for achieving
Yest position in Rangoli event under Cultural
category which was an Individual/Team event, held as a part of Utkarsh24- annual fest,
organized by BBD Educational Group, Lucknow from 21st to 23rd of February 2024.


Convener


Chief Convener


Chief Executive Director

Utkarsh²⁴
बेमिसाल 25 साल

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Certificate of Merit

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Prad position in HINDI DEBATE event under LITERARY
category which was an Individual/Team event, held as a part of Utkarsh24- annual fest,
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बेमिसाल 25 साल



GATE QUALIFIERS

2023 - 24



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INSTITUTE OF TECHNOLOGY & MANAGEMENT



Congratulations

— for Qualifying Gate 2024 —
All India Rank - 3534



Ishika Srivastava

(2000540100076)

B.TECH (4th Year)
(Computer Science & Engineering)

BBD City, Faizabad Road, Lucknow Uttar Pradesh - 226028 India     www.bbdu.ac.in

GATE QUALIFIERS

2023 - 24



Babu Banarasi Das

Institute of Technology and Management

Affiliated to Dr. A.P.J Abdul Kalam Technical University (AKTU College Code: 054)



GATE 2024

CONGRATULATIONS..

Mr. Anuj Srivastava

(2000540310009)

(ECE, Data Science & Artificial Intelligence)

For Qualifying Gate 2024

AIR-7875

B.Tech 4th Year



Sector- 1, Akhilesh Das Nagar, Ayodhya Road, Lucknow- 226028
(U.P.) INDIA



Website: www.bbdnitm.ac.in / Email ID: director@bbdnitm.ac.in



Babu Banarasi Das

Institute of Technology and Management

Affiliated to Dr. A.P.J Abdul Kalam Technical University (AKTU College Code: 054)



GATE 2024

CONGRATULATIONS..

Ms. Ishika Srivastava

(2000540100076)

(Computer Science & Engineering)

For Qualifying Gate 2024

AIR-3534

B.Tech 4th Year



Sector- 1, Akhilesh Das Nagar, Ayodhya Road, Lucknow- 226028
(U.P.) INDIA



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MICROSOFT E - LEARN STUDENT AMBASSADOR



BBDITM

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Department of Computer Science and Engineering

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Microsoft Learn Student Ambassador



Microsoft



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INDUSTRIAL VISIT



BABU BANARASI DAS
INSTITUTE OF TECHNOLOGY & MANAGEMENT

Department of Computer Science and Engineering
is organizing

— *Industrial Visit* —



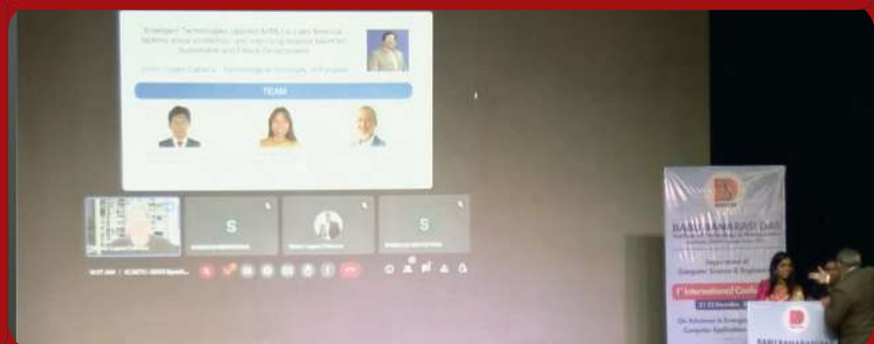
 **Microsoft, Noida**
 **17th February, 2024**



INDUSTRIAL VISIT GALLERY



ICAETC CONFERENCE



VIRTUAL MASTER CLASS



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Department of Computer Science and Engineering
is organizing

Virtual Masterclass In collaboration with

Infosys

1st February - 9th February, 2024

Expert Speakers from the Team of Infosys

Impana Gowda
Senior Associate

Udaya Bharati Motta
Specialist

Seethalekshmi Karunakaran
Specialist

Roopa Kesari
Specialist

Aparna Pappu
Analyst

Meenakshi S Senior
Business Manager

Dr. Subhash Tatale
Specialist

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Glimpses of DAY 1

1st February 2024
TOPIC : Active Learning Skills
SPEAKER: Impana Gowda
(Senior Associate- Infosys)



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Glimpses of DAY 2

2nd February 2024
TOPIC : Why Automation Testing?
SPEAKER: Udaya Bharati Motta
(Specialist- Infosys)



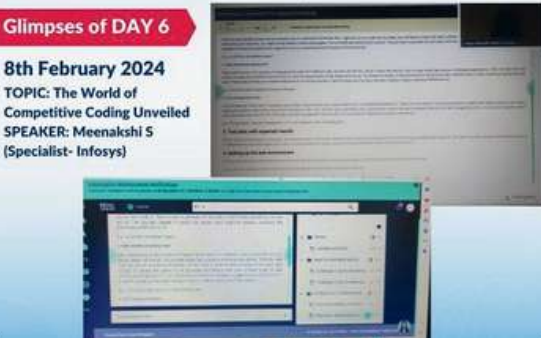
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Glimpses of DAY 6

8th February 2024
TOPIC: The World of Competitive Coding Unveiled
SPEAKER: Meenakshi S
(Specialist- Infosys)



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Glimpses of DAY 7

9th February 2024
TOPIC: AI- First Software Engineering
SPEAKER: Dr. Subhash Tatale
(Specialist- Infosys)



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Glimpses of DAY 3

5th February 2024
TOPIC: Introduction to Selenium
SPEAKER: Seethalakshmi Karunakaran
(Specialist- Infosys)



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Glimpses of DAY 5

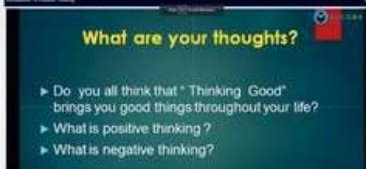
7th February 2024
TOPIC: Building Positive Relations
SPEAKER: Aparna Pappu
(Specialist- Infosys)

What are your thoughts?

- ▶ Do you all think that "Thinking Good" brings you good things throughout your life?
- ▶ What is positive thinking?
- ▶ What is negative thinking?

Look for the Proof Instead of Making Assumptions

- ▶ A fear of not being liked or respected sometimes leads us to assume that we know what others are thinking, but our fears are usually not reality.
- ▶ If you have a fear that a friend or family member's bad mood is due to something you did, or that your employees are secretly gossiping about you when you turn your back, speak up and ask them. Don't waste time worrying that you did something wrong unless you have proof that there is something to worry about.



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Glimpses of DAY 4

6th February 2024
TOPIC: Mobile Testing
SPEAKER: Roopa Kesari
(Specialist-Infosys)

In this session, we are going to take a look at...

- Platform-specific identifiers
- Customizing control interaction
- Dealing with sub-elements
- Implicit vs explicit waiting
- Specific app/control extensions
- Additional verification functionality



DEVFEST 2023

BABU BANARASI DAS
INSTITUTE OF TECHNOLOGY AND MANAGEMENT

Department of Computer Science & Engineering

Welcome Delegates

Google Developer Groups
devfest '23
लखनऊ

19 NOV 2023 VENUE: DR. AKHILESH DAS GUPTA AUDITORIUM

Speakers

 Rahul Kumar Porwal Software Developer, AMD/CS	 Pulkit Jain MTS-1, VMware	 Ashish Mishra Founder, Traglars	 Ashok Vishwakarma CTO, Impulsive Web	 Ankit Pal Senior Research Engineer, Saama AI Research Lab, Chennai
 Burhanuddin Rashid Software Engineer, Jyoti Tech	 Arun Bana Technical Lead (IoT), P360	 Vivek Yadav Tech lead, Tata Digital	 Vasundhara Shukla GOG Lucknow	



Google Developer Student Clubs



ALUMNI MEET



Babu Banarasi Das Institute of Technology and Management
Department of Computer Science and Engineering
is Organizing

ALUMNI TALK SERIES



3rd April, 2024



2:00 PM Onwards



Stepper Hall, BBDITM

Topic : Career paths
in Cyber Security

Dr. Prachi Kumari

IT Security Specialist, BMW
Bank and Financial Services
at BMW Group, Germany



BBDITM, (Batch 2004 Passout)



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ALUMNI MEET



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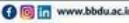
Sonal Maurya





Kim Gupta
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Aayush Mishra
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CONGRATULATIONS
Achievers

Kim Gupta
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Sr. No.	Student Name	Roll No	College	Branch	Company Name	Salary Package (LPA)
1	ABDULLAH NIZAMI	2000540100002	BBDITM	CSE	Paisabazar.com	12.00
2	AAROHI RAI	2000540100001	BBDITM	CSE	TCS NQT	9.00
3	AMRITANSHU	2000540100028	BBDITM	CSE	TCS NQT	9.00
4	DEVANSH TOMAR	2000540100060	BBDITM	CSE	TCS NQT	9.00
5	MAYANK SHUKLA	2100540109011	BBDITM	CSE	ZUREE TELECOM PRIVATE LIMITED	7.80
6	AZHAR AHMAD	2000540100056	BBDITM	CSE	Sap Labs	6.52
7	SHIVANI TIWARI	2000540100156	BBDITM	CSE	Planet Spark	6.50
8	VAISHNAVI YADAV	2000540100182	BBDITM	CSE	Planet Spark	6.50
9	AMRITANSHU	2000540100028	BBDITM	CSE	Planet Spark	6.50
10	Nishtha Maurya	2000540100107	BBDITM	CSE	Planet Spark	6.50
11	ISHIKA SRIVASTAVA	2000540100076	BBDITM	CSE	Planet Spark	6.40
12	AINY KHAN	2000540100015	BBDITM	CSE	Planet Spark	6.40
13	ANJALI SRIVASTAVA	2000540100034	BBDITM	CSE	Planet Spark	6.40
14	SAMBHAV PATHAK	2000540100139	BBDITM	CSE	Planet Spark	6.40
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17	ANISH KUMAR YADAV	2000540100032	BBDITM	CSE	XenonStack	5.50
18	ANUSHA ANSARI	2000540100041	BBDITM	CSE	XenonStack	5.50
19	Arushi Baranwal	2000540100047	BBDITM	CSE	XenonStack	5.50
20	HARIS JAVED	2000540100065	BBDITM	CSE	XenonStack	5.50
21	SYED HAIDAR ABBAS	2000540100167	BBDITM	CSE	Hansa Solutions	5.00
22	Nishtha Maurya	2000540100107	BBDITM	CSE	Binary semantics	5.00
23	ANJALI MAURYA	2000540100033	BBDITM	CSE	Freecharge	4.50
24	AAROHI RAI	2000540100001	BBDITM	CSE	Accenture	4.35
25	MAITRI JAIN	2000540100092	BBDITM	CSE	Accenture	4.35
26	Nishtha Maurya	2000540100107	BBDITM	CSE	Accenture	4.35
27	HARIS JAVED	2000540100065	BBDITM	CSE	CEDCOSS Technologies	4.25
28	ABHISHEK KEVIN GOMES	2000540100006	BBDITM	CSE	HCL Tech	4.25
29	MANAS SRIVASTAVA	2000540100093	BBDITM	CSE	HCL Tech	4.25
30	KISHAN KUMAR RAUNIYAR	2000540100085	BBDITM	CSE	HCL Tech	4.25
31	ANAND MISHRA	2000540100030	BBDITM	CSE	HCL Tech	4.25
32	OMKAR SHARMA	2000540100108	BBDITM	CSE	HCL Tech	4.25
33	RAJAN TIWARI	2000540100122	BBDITM	CSE	Novel Patterns	4.20
34	VIJAY YADAV	2000540100186	BBDITM	CSE	Novel Patterns	4.20
35	SANSKAR SINGH	2000540100143	BBDITM	CSE	Novel Patterns	4.20

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College is one of the best times in any individual's life. It is extremely important in shaping a child's future.

By the time students are done with college, they become young adults ready to take on the world with curious zeal.

This is why the time spent in college has to be cherished. Every moment is precious. Along with gaining knowledge, one gets ready to earn their own money and lead a good life.



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- **Mr. Amit Sachan , Assistant Professor, CSE Department**

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- **Manash Mishra**
- **Aryan Singh**



The Final Bell Rings, But the Memories Stay...

