BABU BANARASI DAS
INSTITUTE OF TECHNOLOGY
AND MANAGEMENT, LUCKNOW

2024-25

VIKAS CHAKRA-6.0

Presented by :

DEPARTMENT OF CIVIL ENGINEERING
BBDITM, LUCKNOW









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& MANAGEMENT

VIKAS
CHAKRA 6.0



Prepared by:
BBDITM CIVIL DEPARTMENT

2024–25

Babu Banarasi Das Institute of Technology & Management (BBDITM) Affiliated with Dr. A.P.J. Abdul Kalam Technical University

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HON'BLE BABU BANARASI DAS JI



(1912-1985)

Former Chief Minister of Uttar Pradesh, he was an Indian freedom fighter, educationist, and statesman who made significant contributions to the national movement and the development of democratic institutions after independence. Born in Uttar Pradesh, he was deeply influenced by the ideals of nationalism, social reform, education, and democratic governance.

HON'BLE DR. AKHILESH DAS GUPTA



MBA, LL.B, Ph.D. Former Member of Parliament (Rajya Sabha)
Hon'ble Founder Chairman,
BBD Educational Society

We not only make technocrats at BBD, we churn out citizens of the world, perfect in all respects in all respects, be it leadership, compe-tence, confidence, communication, moral or knowledge.

HON'BLE
MRS. ALKA DAS



MBA, LL.B. Chairperson,
BBD Educational Society

lady with spirit, determination and zeal, Mrs. Alka Das has been the driving force behind her husband Dr. Akhilesh Das.
She is the daughter of Late Justice D. P. Gupta, who held high positions in the State of Rajasthan, as its Governor and Chief Justice. She was brought up on Gandhian ideals and philanthropic traditions.



HON'BLE
MR. VIRAJ SAGAR DAS

President - BBD Educational Society
Pro Chancellor - BBD University
Vice- President, Badminton Association of India President, Uttar Pradesh Olympic Association

HON'BLE
MS. SONAKSHI DAS

Vice President,
BBD Educational Society





HON'BLE
MRS. DEVANSHI DAS

Vice President,
BBD Educational Society ,
Director, ADGS

MESSAGE FROM DIRECTOR

PROF. SHAILENDRA SINGHCHAUHAN
DIRECTOR
BBDITM, LUCKNOW



Dear Readers,
It is indeed commendable that the issue of Civil Engineering Department Magazine is now before you. It not only showcases numerous events of Department previous semester activities despite different constrains but also Department achievements Editorial team of this magazine deserves kudos for the same. I convey my greetings and sense of pride to all associated with Institutional Innovation Council also, through President and Convenor IIC BBDITM to CE Department faculty coordinators and students IIC team members for their tireless efforts and conviction and commitment helping Institute to rank high in Eastern UP region and fulfil noble and much required objectives of IIC for an Prestigious and progress. Institute has also been doing exceptionally well in humanitarian activities at University/ State level, as a result of which It has been declared as Nodal Center by University for such activities. In this context I appreciate CE Department and its commitment and initiatives in this noble context.

I thank for the effort of Departmental Magazines review Committee, Head of Department, Program Coordinator, Magazine Coordinator and all faculty for this third issue of Magazine to highlight their achievements and major activities in this period. I am sure Editor and associated Students Editorial team will also come out with fourth issue in following months.

Jai Hind

MESSAGE FROM H.O.D



PROF. D.S.RAY
HEAD DEPARTMENT OF CIVIL ENGINEERING BBDITM, LUCKNOW

My vision is to establish a system for future civil engineering professionals through academic excellence, competencies, overall upliftment in all horizons and inoculate morals and values among them. Our department is committed to provide students with a strong, broad based fundamental engineering education and prepare the students for a career in the industry, teaching and national laboratories.

The Department of Civil Engineering at the BBD Institute of Technology and management, Lucknow is the best in the region for education in Civil Engineering. It has a well-qualified and dynamic faculty and technical staff with diverse area of specialization of Transportation, geotechnical, environmental, construction & planning and structural engineering. The Department is committed to produce eminent engineers who will make significant contribution in planning and execution of projects.

The Department offers a four-year course leading to the Bachelor's Degree in Civil Engineering. The Department is well equipped with Civil engineering 12 labs facilities required to serve under-graduate and postgraduate courses.

is also enriched with the analytical tools like Staad Pro, Water Gems, Primavera, Sewer Gems and MX Road 3D to provide exposure to its stakeholders about the structural design, sewer design and highway design problems.

MESSAGE FROM DESK OF EDITOR

MR. ASHWANI KUMAR PANDEY
ASSISTANT PROFESSOR
DEPARTMENT OF CIVIL ENGINEERING
BBDITM, LUCKNOW



Dear Reader,

It gives us great pleasure to bring you the Second edition of "VIKAS CHAKRA 6.0" , the departmental magazine of Civil Engineering, BBDITM, Lucknow. The name and fame of an institute depends on the caliber and achievements of the students and teachers. The role of a teacher is to be a facilitator in nurturing the skills and talents of students. This magazine is a platform to exhibit the literary skills and innovative ideas of teachers and students.

VIKAS CHAKRA 6.0 presents the achievements of students and contributions of teachers. We would like to place on record our gratitude and heartfelt thanks to all those who have contributed to make this effort a success. We profusely thank the management for giving support and encouragement and a free hand in this endeavor. Last but not the least we are thankful to all the authors who have sent their articles. We truly hope that the pages that follow will make an interesting read.

It has been a wonderful experience to work with the editorial team and to see the creations taking shape. The enthusiasm, especially among students has been fantastic. I thank you all for your contribution. Let this be the beginning and I hope it become a early event.

EDITORIAL BOARD

EDITORIAL COMMITTEE :



Mr. Ashwani Kumar Pandey

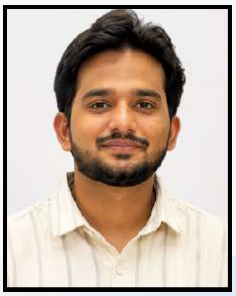


Mr. Abhay Yadav



Mrs. Shruti Singh Bisen

DESIGN AND DRAFTING:



Prashant Mishra
4th Year, CE
2200540009010



Ravi Shankar
2nd Year, CE
2400540009010



Aditya Kumar Verma
4th Year, CE
2200540009001



Om Kumar Mishra
3rd Year, CE
2200540000022



Rudra Pratap Singh
3rd Year, CE
2200540000030

DEPARTMENT OF CIVIL ENGINEERING

The Department of Civil Engineering at Babu Banarasi Das National Institute of Technology and Management (BBDNITM), Lucknow was established with the vision of providing quality technical education and developing skilled professionals in the field of civil engineering. The department focuses on building a strong academic foundation while preparing students to meet the changing needs of the construction and infrastructure sector.



The department offers comprehensive learning in areas such as Structural Engineering, Geotechnical Engineering, Transportation Engineering, Environmental Engineering, Water Resources, Surveying, and Construction Management. Students gain practical exposure through well-equipped laboratories, field visits, workshops, internships, projects, and modern engineering software. Experienced faculty members guide students in academics, research, innovation, and professional development.

The department aims to produce competent, ethical, and industry-ready civil engineers capable of contributing to sustainable infrastructure development. Students are encouraged to develop technical knowledge, problem-solving abilities, teamwork, communication skills, and leadership qualities. Graduates can pursue opportunities in construction companies, government departments, infrastructure organizations, consultancy firms, PSUs, research, higher education, and entrepreneurship, contributing to the development of society and the nation.

VISION OF INSTITUTE

- To become a leading institute of providing professionally competent and socially responsive technocrats with high moral values.
- To produce globally competent and socially responsible technocrats and entrepreneurs who can develop innovative solutions to meet the challenges of 21st century.

MISSION OF INSTITUTE

- To create an eco-system for 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.

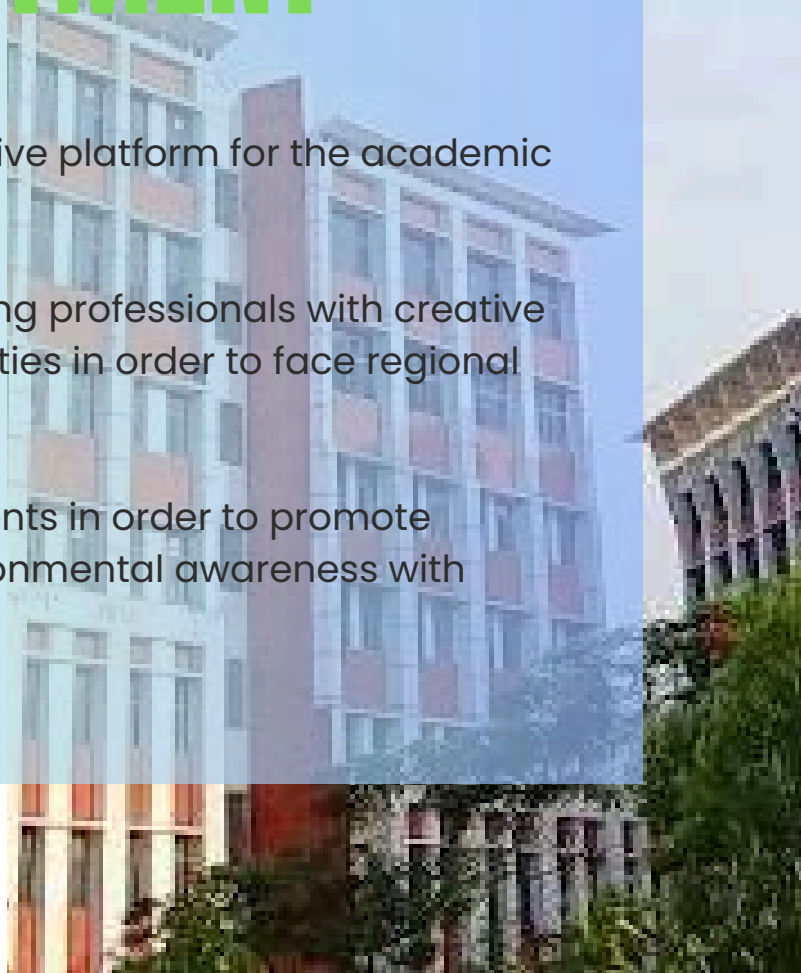


VISION OF DEPARTMENT

- To impart academic excellence in Civil Engineering field with emphasis on holistic development of the professional, while inculcating ethics, socially and professionally responsive technocrats.

MISSION OF DEPARTMENT

- To provide a comprehensive platform for the academic expertise and proficiency.
- To develop Civil Engineering professionals with creative skills and leadership qualities in order to face regional and global challenges.
- To develop ethics in students in order to promote socially responsible environmental awareness with innovative thinking.



PROGRAM EDUCATIONAL OBJECTIVES (PEOS)

The following are PEOs of the department

- PEO 1: To enhance skill and expertise in field of Civil Engineering with aim of boosting employability and entrepreneurship.
- PEO 2: To develop multidisciplinary approach of Civil Engineering system with lifelong learning solutions.
- PEO 3: To develop the potential to pursue higher education and research in field of Civil Engineering.

PROGRAM SPECIFIC OUTCOMES (PSOS)

- PSO 1: Graduates shall be able to apply critical thinking in research, design, analysis and implementation of Civil Engineering problems.
- PSO 2: Graduates shall be able to inculcate the idea of sustainability in engineering solution to meet real world challenges.

DEPARTMENT ACHIEVEMENTS

GOLD MEDALIST



Pratiksha Maddheshiya
(2023)



Chandra Bhushan Verma
(2021)



Siddhant Singh Sengar
(2013)

SILVER MEDALIST



Bhavana Dwivedi
(2017)



Yashwant Singh Yadav
(2016)



Subhi Srivastava
(2015)

AKTU RANK HOLDER



Suchita
(2024)
BRONZE MEDAL



Faizan Ahmad
(2020)
BRONZE MEDAL



Satyam Vishwakarma
(2025)
6TH POSITION



Vishal Kanaujiya
(2020)
6TH POSITION

FACULTY ACHIEVEMENT



DR. SUPRIYA PHURAILATPAM
ASSISTANT PROFESSOR
DEPARTMENT OF CIVIL ENGINEERING
BBDITM, LUCKNOW

A. Research Papers in Journals

- Published/co-authored 5 research papers in journals covering sustainable construction materials, municipal incinerated ash, air-quality dispersion modelling using AERMOD, structural design, and river-atlas preparation.
- Key recent publication: Synthesis of Eco-friendly Alkali-Activated Bricks Using Municipal Incinerated Ash (2026).

B. Events Organized as Organizing Secretary and Coordinator

- Served as Coordinator/Organising Committee Member for academic, technical, FDP, and community outreach programmes.
- Coordinated the expert session "Start-up Landscape in India: Policy Support, Market Expansion and Long-Term Sustainability" (2025).

C. Events Attended

- Participated in 19 Faculty Development Programmes, seminars, workshops, professional development and training programmes/webinars.
- Participated in the Water Harvesting, Storage and Conservation Workshop at IIT Kanpur.

D. Extra Activities

- Convenor, Grievance Redressal Committee (GRC), BBDITM.
- Coordinator, IIRS Outreach Programmes, BBDITM.

E. Books Authored

- Phurailatpam, S. (2018). Essentials of Chemistry. AAA Publications, New Delhi.

PROF. D.S.RAY
B.E, M.TECH(I I T/K),MBA,FIE(I), FIV(I),LMIRC,MIWWA, CE(RTD) UP PWD,



1. **Research & Publications**

- Published/co-authored 23 research papers, including 7 Scopus-indexed papers, in pavement engineering, soil stabilization, bituminous materials, transportation and sustainable construction.
- Research focuses on sustainable pavement materials, geotechnical engineering and infrastructure development.
- B. Events Organized
- Organized/coordinated Guest Lectures and Special Lectures on Green Building and Rigid Pavement Design.
- Coordinated various technical and academic activities in Civil Engineering.

2. **Events & Professional Development**

- Participated in numerous workshops, seminars, FDPs and technical programmes related to Green Building, Pavement Design, Advanced Materials, Renewable Energy and Engineering Technology.
- Participated in industrial visits and educational tours and contributed to Road Safety awareness programmes.

3. **Professional Achievements**

- Holds approximately 30 years of Civil Engineering experience, including UP PWD and UP Housing & Development Board.
- Guided M.Tech research scholars and holds memberships in major professional bodies including IE(I), IRC and IWWA.
- Honoured with Rashtriya Gaurav Award, Best Citizen of India, Vikas Ratna and Bharat Jyoti Award.



MR. MOHD AQUIB
ASSISTANT PROFESSOR
DEPARTMENT OF CIVIL ENGINEERING
BBDITM, LUCKNOW

1. **Events Attended**

- Participated in a 5-Day Online Faculty Development Programme on “Agentic AI and PEGA: Practical Foundations”, organized by Babu Banarasi Das University, Lucknow, from 16 to 20 June 2025.
- Participated in a 5-Day Faculty Development Programme on “Energy-Efficient Infrastructure and IoT-Integrated Sustainable Systems”, organized by Jahangirabad Educational Trust Group of Institutions, Lucknow, from 28 May to 1 June 2025.
- Participated in an FDP on “Innovation and Entrepreneurship” at Innovation Hub, Dr. A.P.J. Abdul Kalam Technical University, Lucknow, organized by AICTE and Ministry of Education’s Innovation Cell (MIC), from 25 to 29 March 2025.
- Participated in a 1-Week Faculty Development Programme on “Recent Trends in Civil and Mechanical Engineering”, organized by the Department of Civil and Mechanical Engineering, from 9 to 14 September 2024.
- Participated in an FDP on Building Information Modelling (BIM), jointly organized by Autodesk, NICMAR Delhi-NCR Campus, and TATA Projects, supported by SW Systems, from 24 to 29 March 2025.
- Participated in an International Faculty Development Programme on “Computational Techniques and Simulation for Engineering Applications”, organized by Amity School of Engineering & Technology, Amity University, Lucknow, from 2 to 6 June 2025.

2. **Extra Activities**

- Lab Coordinator, Quantity Estimation and Management Lab
- Mentor of Section CE-21
- Coordinator of Sports in Utkarsh



MR. MOHIT CHOUBEY
ASSISTANT PROFESSOR
DEPARTMENT OF CIVIL ENGINEERING
BBDITM, LUCKNOW

- **Events Organized as Organizing**
- **Secretary and Coordinator**
- Contributed as *Co-Cordinator 1 week FDP on "Recent Trends in Civil and Mechanical Engineering"*, organized by civil and Mechanical engineering department, BBDITM, during 9th -14 September, 2024.
- **Events Attended**
- Participated in Short Term Course on "Emerging Trends in Environmental Engineering for Sustainable Development (ESTED-2025)", HBTU, Kanpur (20–24 Jan 2025).
- Participated in FDP on "Agentic AI and PEGA: Practical Foundations", BBD University, IEEE CIS & RVS Computing Research Circle (16–20 Jun 2025).
- Participated in FDP on "Building Information Modelling (BIM)", Autodesk, NICMAR Delhi-NCR & Tata Projects (24–29 Mar 2025).
- Participated in FDP on "Computational Techniques and Simulation for Engineering Applications (CTSEA-2025)", Amity University, Lucknow (02–06 Jun 2025).
- Participated in FDP on "Innovation and Entrepreneurship", AKTU Innovation Hub, in association with AICTE & MIC (25–29 Mar 2025).
- Participated in FDP on "Recent Trends in Civil and Mechanical Engineering", BBDITM (09–14 Sep 2024).
- **Extra Activities (Responsibility, Any Achievements and membership)**
- Coordinator In charge, 2nd Year
- Departmental Web cell Coordinator
- Lab Coordinator, CAD lab
- Lab Coordinator, Hydraulics & Hydraulic Machine lab
- Mentor of Section CE-23



MRS SHRUTI SINGH BISEN
ASSISTANT PROFESSOR
DEPARTMENT OF CIVIL ENGINEERING
BBDITM, LUCKNOW

1. **Events Organized as Organizing Secretary and Coordinator**

- Contributed as Co-Cordinator 1 week FDP on "Recent Trends in Civil and Mechanical Engineering", organized by civil and Mechanical engineering department, BBDITM, during 9th -14 September, 2024.

2. **Events Attended**

- i. Participated in Short Term Course on "Emerging Trends in Environmental Engineering for Sustainable Development (ESTED-2025)", HBTU, Kanpur (20–24 Jan 2025).
- Participated in 5-Day FDP on "Agentic AI and PEGA: Practical Foundations", BBD University, IEEE CIS & RVS Computing Research Circle (16–20 Jun 2025).
- Participated in 5-Day FDP on "Building Information Modelling (BIM)", Autodesk, NICMAR Delhi-NCR & Tata Projects (24–29 Mar 2025).
- Participated in 5-Day FDP on "Computational Techniques and Simulation for Engineering Applications (CTSEA-2025)", Amity University, Lucknow (02–06 Jun 2025).
- Participated in 5-Day FDP on "Innovation and Entrepreneurship", AKTU Innovation Hub, in association with AICTE & MIC (25–29 Mar 2025).
- Participated in 1-Week FDP on "Recent Trends in Civil and Mechanical Engineering", BBDITM (09–14 Sep 2024).

3. **Extra Activities (Responsibility, Any Achievements and membership)**

- Coordinator In charge, 2nd Year
- Departmental Web cell Coordinator
- Lab Coordinator, CAD lab
- Lab Coordinator, Hydraulics & Hydraulic Machine lab
- Mentor of Section CE-23



MR. AVINASH KUMAR UPADHYAY
ASSISTANT PROFESSOR
DEPARTMENT OF CIVIL ENGINEERING
BBDITM, LUCKNOW

1. **Events Organized as Organizing Secretary and Coordinator**

- Contributed as Co-Cordinator 1 week FDP on "Recent Trends in Civil and Mechanical Engineering", organized by civil and Mechanical engineering department, BBDITM, during 9th -14 September, 2024.

2. **Events Attended**

- Participated in One-Week Short Term Course on "Emerging Trends in Environmental Engineering for Sustainable Development (ESTED-2025)", HBTU, Kanpur (20–24 Jan 2025).
- Participated in 5-Day Faculty Development Programme on "Agentic AI and PEGA: Practical Foundations", BBD University, IEEE CIS & RVS Computing Research Circle (16–20 Jun 2025).
- Participated in 5-Day Faculty Development Programme on "BIM", Autodesk, NICMAR Delhi-NCR Campus & Tata Projects (24–29 Mar 2025).
- Participated in 5-Day Faculty Development Programme on "Computational Techniques and Simulation for Engineering Applications (CTSEA-2025)", Amity University, Lucknow (02–06 Jun 2025).
- Participated in 5-Day Faculty Development Programme on "Innovation and Entrepreneurship", AKTU Innovation Hub, in association with AICTE & MIC (25–29 Mar 2025).

3. **Extra Activities (Responsibility, Any Achievements and membership)**

- Coordinator In charge E-Leaning NPTEL
- Lab Coordinator, Structural Detailing
- Startup Activity Coordinator
- Mentor of Section CE3



MS. KAJAL SINGH
ASSISTANT PROFESSOR
DEPARTMENT OF CIVIL ENGINEERING
BBDITM, LUCKNOW

1. **Research & Publications**

- Published/co-authored 4 research papers in SCOPUS and reputed journals on tunnel planning and traffic congestion, sustainable transportation, natural-fibre-modified bitumen, and pedestrian behaviour.
- Key publications appeared in Journal of Huazhong University of Science and Technology, IJERA, JETIR, and IJRASET during 2021–2023.

2. **Events Organized & Coordinated**

- Successfully organized/coordinated 3 industrial and educational visits during 2021–22 to 2023–24.
- Coordinated visits to Kathauta Water Treatment Plant, Lucknow; Himachal Pradesh & Sukna Dam, Chandigarh.
- Organized an educational tour covering Buddhist Temple, Anquimala's Cave and Sahet Mahet, Shravasti.

3. **Professional Development**

- Participated in 17 FDPs, seminars and professional development programmes covering Sustainable Engineering, Research Methodology, GIS, Entrepreneurship & Innovation, Mathematical Modelling, Advanced Materials, Generative AI, BIM, IoT and Emerging Technologies.
- Participated in the National Seminar “Geotechnics for Tomorrow: Challenges, Innovations and Opportunities” (2025).

4. **Academic & Professional Growth**

- Pursuing Ph.D. in Structural Engineering from SRMU.
- Possesses teaching experience at MBIL Lucknow, SRITM Lucknow and BBDITM Lucknow, contributing to academic excellence and professional development in Civil Engineering.

STUDENT'S ACHIEVEMENT

RAVI SHANKAR
2ND YEAR
CIVIL ENGINEERING DEPARTMENT
BBDITM, LUCKNOW













YUVRAJ SINGH
2ND YEAR
CIVIL ENGINEERING DEPARTMENT
BBDITM, LUCKNOW











RITIK GUPTA
2ND YEAR
CIVIL ENGINEERING DEPARTMENT
BBDITM, LUCKNOW





ABHISHEK NAYAK
2ND YEAR
CIVIL ENGINEERING DEPARTMENT
BBDITM, LUCKNOW





ASTHA SHUKLA
1ST YEAR
CIVIL ENGINEERING DEPARTMENT
BBDITM, LUCKNOW











EVENT & ACTIVITY

EDUCATIONAL TOUR

An Educational Tour was organized by the Department of Civil Engineering, BBDITM, Lucknow, for final-year students to provide practical exposure to various Civil Engineering projects and infrastructure. A group of 20 students accompanied by three faculty members visited Himachal Pradesh and Chandigarh from 14th to 20th October 2024.

The tour included visits to Dehar Power House under Bhakra Beas Management Board, Atal Tunnel, Rohtang Pass, road and railway systems of Chandigarh, Rock Garden, Jibhi, Kullu, Manali, and the water distribution system of the Beas River. The students gained practical knowledge of hydropower generation, tunnel construction, hilly road construction, water distribution, and transportation systems.

The programme was conducted with the blessings of Mrs. Alka Das Gupta, Chairperson, BBD Education Group, and Mr. Viraj Sagar Gupta, President, and was inaugurated by Dr. Shailendra Singh Chauhan, Director, BBDITM, and Prof. D. S. Ray, Head, Department of Civil Engineering. The tour was coordinated by Mr. Abhay Yadav, Mr. Ashwani Kumar Pandey, and Mr. Navneet Singh Yadav.

The educational tour provided students with valuable hands-on learning, improved their understanding of practical engineering applications, and enhanced their communication, teamwork, and overall professional development.







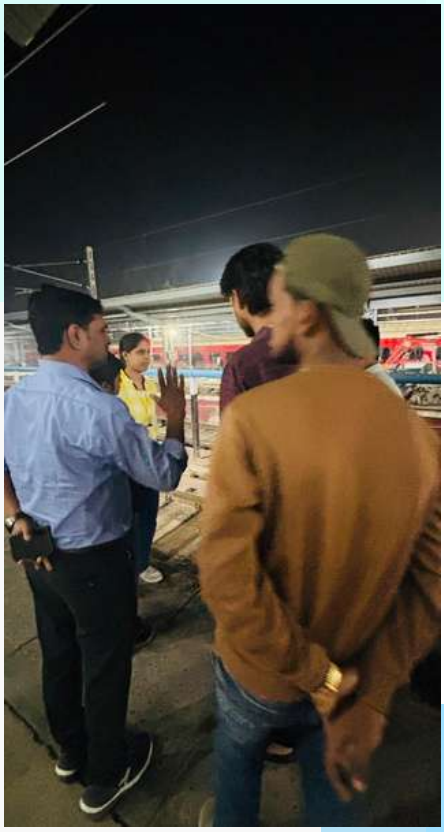






(EDUCATIONAL TOUR TO DEHAR POWER HOUSE)











(EDUCATIONAL TOUR TO DEHAR POWER HOUSE)

ALUMNI MEET 2024

Introduction

The Alumni Meet 2024 of the Civil Engineering Department, BBDITM, Lucknow, was successfully organized on 28th October 2024. The event brought together alumni from various batches, providing a wonderful opportunity to reconnect with their peers, faculty members, students, and the institution.

Programme Schedule

The programme began at 3:00 PM with a warm welcome to the alumni, followed by tea and snacks. This was followed by interaction sessions with faculty members and students, where alumni shared their experiences and professional insights. A special segment of fun-filled activities was also organized for the alumni.

The main programme was held at the E-Block Green Lawn and commenced at 4:30 PM.

Key Highlights

- Inspiring Alumni Talks: Distinguished alumni shared their career journeys and guided aspiring civil engineers.
- Networking Opportunities: Alumni had the opportunity to reconnect and build professional relationships for future collaborations.
- Recognition & Felicitation: Outstanding alumni were honored for their valuable contributions to the field of civil engineering.
- Cultural & Fun Activities: The event included entertainment and engaging activities that created memorable moments and strengthened the alumni bond.

Impact and Future Prospects

The Alumni Meet successfully strengthened the sense of belonging and connection between the alumni and the department. Discussions on mentorship programmes and industry-academia partnerships also highlighted opportunities for future collaboration and student development.







(ALUMNI MEET AT BBDITM E-BLOCK)











(ALUMNI MEET AT BBDITM E-BLOCK)

DOWRY FREE AND DRUG FREE INDIA

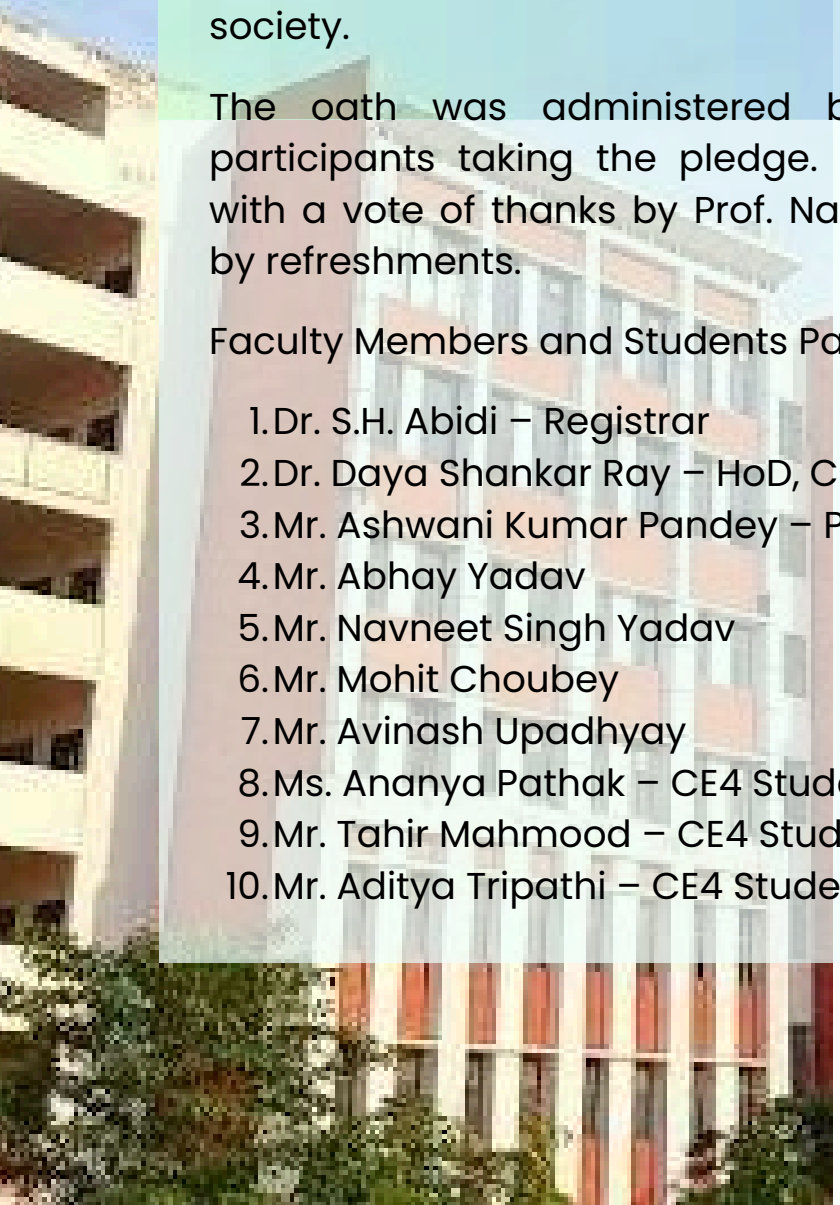
An Oath Ceremony for a Dowry-Free and Drug-Free India was organized by the Department of Civil Engineering, BBDITM, Lucknow, at Lonapur Village on 07 February 2025 at 12:15 PM, in compliance with the directive from the Governor's Secretariat.

The programme was attended by 55 villagers, 10 other participants, Councillor Mrs. Mamta Rao, faculty members, and students. Ms. Ananya Pathak served as the compere, while Prof. Avinash Upadhyay delivered the welcome address. Dr. S.H. Abidi (Registrar), Mrs. Mamta Rao, and Dr. D.S. Ray (HoD, Civil Engineering) addressed the gathering and highlighted the importance of eliminating dowry and drug abuse from society.

The oath was administered by Dr. S.H. Abidi, with all participants taking the pledge. The programme concluded with a vote of thanks by Prof. Navneet Singh Yadav, followed by refreshments.

Faculty Members and Students Participated

1. Dr. S.H. Abidi – Registrar
2. Dr. Daya Shankar Ray – HoD, Civil Engineering
3. Mr. Ashwani Kumar Pandey – PC, Civil Engineering
4. Mr. Abhay Yadav
5. Mr. Navneet Singh Yadav
6. Mr. Mohit Choubey
7. Mr. Avinash Upadhyay
8. Ms. Ananya Pathak – CE4 Student
9. Mr. Tahir Mahmood – CE4 Student
10. Mr. Aditya Tripathi – CE4 Student











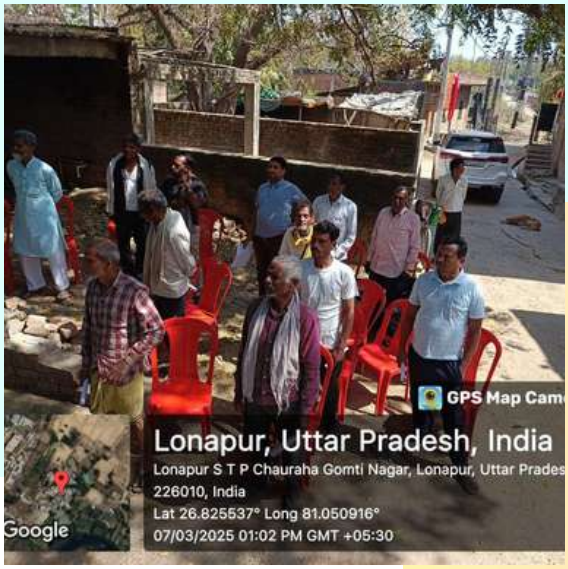
(OATH CEREMONY FOR DOWRY-FREE & DRUG-FREE INDIA IN LONAPUR)













(OATH CEREMONY FOR DOWRY-FREE & DRUG-FREE INDIA IN LONAPUR)

MATRA SAMMELAN - A TRIBUTE TO MOTHERHOOD

Our college organized a beautiful and memorable Matra Sammelan, dedicated to celebrating the unconditional love, sacrifices, and invaluable contribution of mothers in our lives. The event brought together students, faculty members, and mothers in an atmosphere filled with happiness, respect, and emotions.

The programme included a variety of cultural activities such as songs, poems, speeches, and a meaningful drama based on the love and sacrifices of mothers. The performances beautifully expressed the special bond between a mother and her child and reminded everyone of the importance of respecting and appreciating our mothers.

The Civil Engineering students actively contributed to the programme by participating in the drama and portraying different characters as part of the presentation. Their enthusiastic participation added life and emotion to the performance. They also worked together in the management of the event and helped ensure that the programme was conducted smoothly and successfully. Their teamwork, cooperation, and dedication were greatly appreciated.

Ravi Shankar of civil engineering was also among the students who contributed to the programme, making the occasion a valuable experience filled with learning, teamwork, and memorable moments.

Overall, the Matra Sammelan was a beautiful celebration of motherhood, providing everyone with an opportunity to express gratitude and create lasting memories.













(MATRA-SAMELAN EVENT AT BBDITM E-BLOCK)

FELICITATION CEREMONY OF 'MEDAL HOLDER' STUDENTS BY THE DEPARTMENT

BRONZE MEDAL WINNER

Ms. Suchita



Ms. Suchita (University Roll No. 2000540000053) receiving the **Bronze Medal** in B.Tech Civil Engineering in the esteemed presence of Her Excellency Smt. Anandiben Patel Ji, Hon'ble Governor of Uttar Pradesh.

GOLD MEDAL WINNER

Ms. Pratiksha Maddheshiya



Ms. Pratiksha Maddheshiya (University Roll No. 2000540009005) receiving the **Gold Medal** in B.Tech Civil Engineering in the esteemed presence of Her Excellency Smt. Anandiben Patel Ji, Hon'ble Governor of Uttar Pradesh.

GOLD MEDAL WINNER

Mr. Chandra Bhushan Verma



Mr. Chandra Bhushan Verma (Roll No. 1705400030) receiving the **Gold Medal** in B.Tech Civil Engineering in the esteemed presence of Her Excellency Smt. Anandiben Patel Ji, Hon'ble Governor of Uttar Pradesh.

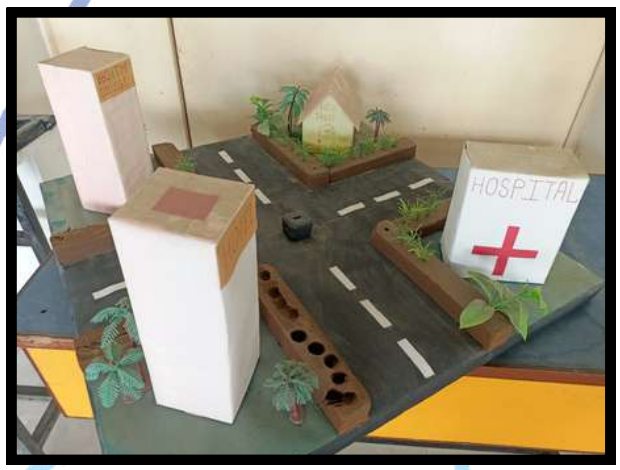
TECHNICAL SECTION

CASE STUDY, FINAL YEAR PROJECTS SHOWCASE

BRIDGE CONSTRUCTION AND INFRASTRUCTURE MODEL

This project is a working model of a bridge and transportation infrastructure system prepared to demonstrate the basic concept of bridge construction. Bridges are one of the most important structures in civil engineering and transportation engineering.





SUSTAINABLE URBAN DEVELOPMENT AND SMART INFRASTRUCTURE MODEL

This project represents a sustainable urban development and smart infrastructure model designed to demonstrate the basic planning of a modern and well-organized city

SEWAGE TREATMENT PLANT PROJECT

This project is a Sewage Treatment Plant (STP) model prepared to demonstrate the complete process of sewage and wastewater treatment. The main objective of the project is to understand how domestic and municipal wastewater can be treated before its final discharge or reuse.





SMART CITY AND RENEWABLE ENERGY MODEL

This project represents a Smart City model based on renewable energy, sustainable infrastructure and modern urban development. The main objective of the project is to demonstrate how renewable energy can be integrated into an urban environment.

STRENGTHENING OF WEAK SOIL USING SILICA-BASED ADDITIVES

This project is based on the strengthening of weak soil using silica-based additives. The main objective is to improve the engineering properties of weak and unstable soil.





HIGH PERFORMANCE CONCRETE USING MINERAL ADMIXTURE

This project is based on the study and development of High Performance Concrete (HPC) using mineral admixtures. High Performance Concrete is a specially designed concrete that provides improved strength, durability and workability compared with conventional concrete.

INVESTIGATING THE USE OF BIOCHAR FOR CLAY SUBGRADE STABILIZATION IN HIGHWAY CONSTRUCTION

This project investigates the use of biochar for stabilizing clayey subgrade soil in highway construction. The main objective is to study how biochar can improve the engineering properties of weak clay soil.



ALUMNI CORNER

01

Anand Kumar (2000540000011)

Our time here was a beautiful blend of learning, challenges, celebrations, and friendships. Every experience added something meaningful to our lives and made our college journey unforgettable.





02

Atul Ranjan (2000540000018)

We came to this institution with dreams and expectations, but we left with much more—confidence, lifelong memories, valuable lessons, and friendships that will always hold a special place in our lives.

03

Abhay Pratap (2000540000003)

Looking back at our college years, it is the little moments, shared laughter, friendships, and unforgettable experiences that we remember the most. These memories will stay with us wherever life takes us.





04

Niranjan Prajapati (2000540000034)

This college was more than just a place of education; it was where we grew, made mistakes, learned from them, and prepared ourselves for the journey ahead.

05

Nitesh Gupta (2000540000035)

As we move forward into new chapters of life, we carry with us the knowledge, values, memories, and friendships that this institution gave us. These will always be a part of our journey.





06

Anmol Kumar (200540000013)

Leaving college was not easy because we were leaving behind a place filled with memories. But we carry those memories forward as a reminder of some of the best years of our lives.

PLACEMENT 2025



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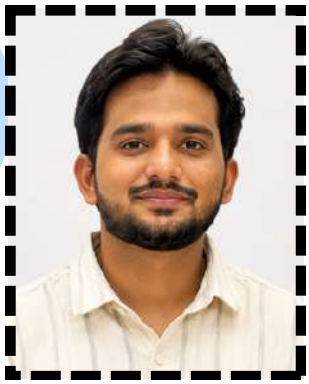
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CIVIL ENGINEERING LABS











SOLID MECHANICS LAB



SURVEYING AND GEOMATICS LAB



HYDRALICS & HYDRAULIC MACHINES LAB



MATERIAL TESTING LAB

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Vikas Chakra 6.0 is a departmental magazine published by the Department of Civil Engineering, Babu Banarasi Das Institute of Technology and Management (BBDITM), Lucknow. The magazine is intended to provide a platform for showcasing the academic achievements, technical knowledge, innovative ideas, departmental activities, creativity, and accomplishments of students and faculty members.

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