



BABU BANARASI DAS
INSTITUTE OF TECHNOLOGY AND MANAGEMENT,
LUCKNOW
(AKTU COLLEGE CODE-054)



ONLINE FACULTY DEVELOPMENT PROGRAMME

ON

“RECENT TRENDS IN CIVIL AND MECHANICAL ENGINEERING”



**DURATION: 1 Week, 09th-14th September, 2024
(02:00PM – 04:30PM)**

CHIEF PATRONS

Prof. J. P. Pandey, Vice Chancellor, AKTU, Lucknow
Mrs. Alka Das, Chairperson, BBDEG
Mr. Viraj Sagar Das, President, BBDEG

PATRONS

Ms. Sonakshi Das, Vice-President, BBDEG
Mr. R. K. Agarwal, Chief Executive Director, BBDEG
Prof. (Dr.) S. S. Chauhan, Director, BBDITM

CONVENER

Prof. (Dr.) D.S. Ray
HoD, Department of Civil Engineering

COORDINATOR

Mr. Ashwani Kumar Pandey
Program Coordinator, CE

CO-COORDINATORS

1. Mr. Mohit choubey, CE
2. Mr. Kamaleshwar Dhar Dwivedi, ME

ORGANIZING COMMITTEE

1. Dr. Supriya Phurailatapum, CE
2. Mr. Ashish Verma, CE
3. Mr. Abhay Yadav, CE
4. Mr. Navneet Singh Yadav, CE
5. Mrs. Shivangi Singh, CE
6. Ms. Kajal Singh, CE
7. Mrs. Shruti Singh Bisen, CE
8. Mr. Avinash Kumar Upadhyay, CE
9. Mrs. Neha Gupta, HoD-ME
10. Dr. Ankit Asthana, ME
11. Dr. Anil Kumar, ME

REGISTRATION

Registration Link:

<https://forms.gle/p2rRTCpcBQsbK82w8>

Or Scan the QR



REGISTRATION FEES- RS. 100

ACCOUNT NO: 6027002100001023,

IFSC CODE: PUNB0602700,

BANK NAME: PUNJAB NATIONAL BANK ,

Babu Banarsi Das Educational Society,

ACCOUNT HOLDER NAME: BABU BANARSI

DAS INSTITUTE OF TECHNOLOGY AND

MANAGEMENT

**Organized By: Department of Civil
and Mechanical Engineering,
BBDITM, Lucknow**

**Address- Sector I, Dr. Akhilesh Das
Nagar, Faizabad Road, Lucknow
(U.P.)-226028, India**

BBD Educational Group Profile

The cause of Education, based on the ideals of “Babuji” is being nourished by various Educational Institutions, under the umbrella of Babu Banarasi Das Educational Group, that have come together to pool in their resources and intellectual capital, creating a Campus full of synergy and meaningful learning. The Institutions take full advantage of collective efforts and optimization of resources while still maintaining their distinct identities in a spirit of camaraderie and healthy competition. The students gain greater exposure through interaction with their counter parts from other streams, which leads to holistic learning.

- Babu Banarasi Das Institute of Technology and Management, Lucknow
- Babu Banarasi Das Northern India Institute of Technology, Lucknow
- (Formerly Northern India Engineering College, Lucknow)
- Babu Banarasi Das Engineering College, Lucknow
- Dr. Akhilesh Das Gupta Institute of Technology & Management, New Delhi
- (Formerly Northern India Engineering College, New Delhi)

About BBDITM, Lucknow

BABU BANARASI DAS INSTITUTE OF TECHNOLOGY AND MANAGEMENT_OFFICIAL (Formerly Known as Babu Banarasi Das National Institute of Technology and Management - BBDNITM) (Recognized by AICTE, Govt. of India, affiliated to Dr. A.P.J. Abdul Kalam Technical University, Lucknow) AKTU college code - 054, is committed to provide the excellence in teaching, learning and research and develop the cream of the crop in all the field of education. BBDNITM is one of the India's premier technology and management college. BBDNITM has driven new ways of thinking since 1998 - the founding year of College. The college attracts students from all around the world due to its excellent facilities. BBDNITM established and run by the group having exceptional experience and performance excellence of more than 20 years.

About Department of Civil and Mechanical Engineering

Civil engineering is a professional engineering discipline which deals with the design, construction and maintenance of the physical and naturally built environment. It provides knowledge and skills to plan, analyse, design, estimate and execute projects using appropriate scientific, mathematical and engineering principles and concepts. The goal of the department is to develop knowledge of fundamental principles and innovative technologies through research within core areas of Civil Engineering and in collaboration with other disciplines that is distinguished by its impact on academic, industry and society. The department of Civil Engineering with its multifaceted faculty continues to maintain and cultivate its strong link with the infrastructural industry, academic and research institution.

The Mechanical Engineering Department is one of the oldest and the largest department in terms of faculty, students and activities in various directions in BBDITM, Lucknow. The reputation of being among the finest in the Uttar Pradesh and country and is dedicated towards the advancement of technology and science. The department combines strengths in the traditional as well as the modern. Keeping itself up to date with the latest developments and trends in the field and with a dedicated faculty of highly qualified.

About the Programme

This Faculty Development Programme (FDP) is designed to enhance the technical and professional competency of faculty members in the fields of Civil and Mechanical Engineering. The program aims to empower educators with advanced knowledge and skills that are essential for driving innovation and excellence in both teaching and research. this FDP aims to bridge the gap between academic theory and practical industry applications, fostering a dynamic learning environment that benefits both educators and students alike.

Programme Objectives

- **Update Knowledge:** Equip faculty with current trends and advancements in Civil and Mechanical Engineering.
- **Skill Enhancement:** Improve teaching methodologies and integrate new technologies in the curriculum.
- **Research Insights:** Provide insights into ongoing research and potential areas of study.
- **Industry Practices:** Bridge the gap between academic concepts and industry practices.

Expected Outcomes

- **Enhanced Teaching Skills:** Faculty members will be better equipped to teach the latest advancements.
- **Research Collaboration:** Opportunities for collaborative research projects.
- **Curriculum Development:** Updated course content to reflect current industry standards.
- **Networking:** Build a network of professionals and researchers in the field.

Feedback & Certificate

A feedback link will be shared at the end of each day of the programme, and certificates will be issued only to participants who attend the programme with a minimum of 80% attendance.

Eligibility

The program is open to faculty members, M.Tech students, Research scholars & professionals working in industries related to Civil and Mechanical Engineering.

Registration

The participants are requested to send their name by filling the Google registration form from the link given to reach the registration form, we will accept responses till **3rd September, 2024(5:00PM)**.

NOTE:-

- **There is a limitation in seat, the participants will be considered by first come first serve basis.**
- **We will send you the confirmation mail after finalizing the participants.**

For Query/Help/Support Contact Person:-

Mr. Ashwani Kumar Pandey

Contact Number: +91 9807168100, Email Id:- erakpce@bbdnitm.ac.in

Mr. Mohit choubey

Contact Number:+91 7579103113, Email Id:-mohitchoubey759@bbdnitm.ac.in

Mr. Kamalleshwar Dhar Dwivedi

Contact Number: +91 7905489895, Email Id:-kdd.1992@bbdnitm.ac.in

Programme structure and Schedule

S. No	Eminent Speakers	Affiliation	Topic of Presentation	Date and Time
1	 Dr. A.K. Khare	Advisor, Quantum University, Roorkee	D'Alembert's principle	Day-1; 9th September, 2024 (02:02 pm-02:42 pm)
2	 Dr. Rakesh Srivastava	Professor and Head Civil Engineering , AKGEC, Ghaziabad	3D Printing Technologies and Applications in Civil Engineering	Day-1; 9th September, 2024 (02:50 pm-03:30pm)
3	 Dr. Naveen Kumar	Professor, IIT, Ropar	Biomechanical Aspect of Nature	Day-1; 9th September, 2024 (3:38 pm-4:18pm)
4	 Ms. Divyani Tewatia	Ph.D. Research scholar, IIT, Roorkee	Seismic Retrofitting of Reinforced Concrete Buildings	Day-2; 10th September, 2024 (02:02 pm-02:42pm)
5	 Er. Sushil Kumar	E-in-C(Rtd) PWD and Team Leader NHA I	Road Safety Measure	Day-2; 10th September, 2024 (02:50 pm-03:30pm)
6	 Dr. R. K. Srivastava	E-in-C(Rtd) PWD,MD,U P SBC(Rtd), Professor,S RMU	Rigid Pavement for Village Roads In Alluvial Regions	Day-2; 10th September, 2024 (3:38 pm-4:18pm)

Programme structure and Schedule

S. No	Eminent Speakers	Affiliation	Topic of Presentation	Date and Time
7	 Dr. Bhoopesh Ojha	ITS Engineering College, Greater Noida	Complex stress	Day-3; 11th September, 2024 (02:02 pm-02:42 pm)
8	 Dr. H. K. Pandey	Professor, MNNIT Allahabad, Prayagraj	Concept and Design of Rainwater Harvesting System	Day-3; 11th September, 2024 (02:50 pm-03:30pm)
9	 Dr. Rakesh Varma	CE, Level-1, UP ID (Rtd) Professor, SRMU	challenges to control river alignment in alluvial region	Day-3; 11th September, 2024 (3:38 pm-4:18pm)
10	 Dr. Rajiv Kumar Upadhyay	Director, KNIT Sultanpur	Additive Manufacturing	Day-4; 12th September, 2024 (02:02 pm-02:42pm)
11	 Prof. J.K. Varshney	Professor at Faculty of Civil Engineering, SRMU	Importance of Tunnels in Civil Engineering	Day-4; 12th September, 2024 (02:50 pm-03:30pm)
12	 Dr. Ravindra Kumar Tewatia	Director, TIIPS, Greater Noida	Fire Safety in Residential Buildings	Day-4; 12th September, 2024 (3:38 pm-4:18pm)

Programme structure and Schedule

S. No	Eminent Speakers	Affiliation	Topic of Presentation	Date and Time
13	 Dr. Chandan Kumar	Professor, Darbhanga College of Engineering (DCE)	Introduction of Bondgraph	Day-5; 13th September, 2024 (02:02 pm-02:42 pm)
14	 Dr. Praveen Pachauri	Principal Government Polytechnic Siwan, Bihar	Cyber Physical Systems	Day-5; 13th September, 2024 (02:50 pm-03:30pm)
15	 Dr. S. C. Bhaduri	Academic Advisor, Tejas Foundation	Carbon Emission and Decarbonization in Built Environment	Day-5; 13th September, 2024 (3:38 pm-4:18pm)
16	 Ms. Bhawna Dwivedi	Ph.D. Research scholar, IIT, Kanpur	Impact of Rainwater Harvesting on Catchment Hydrology	Day-6; 14th September, 2024 (02:02 pm-02:42pm)
17	 Dr. Sudhakar Shukla	Scientist-SE & Head, School of Geoinformatics Division, RSAC, UP	Role of Geoinformatics in Civil Engineering applications	Day-6; 14th September, 2024 (02:50 pm-03:30pm)
18	 Dr. S.S. Chauhan	Director, BBDITM, Lucknow.	Forward and Inverse Kinematic Analysis of the ABB IRB 1520 Industrial Robot	Day-6; 14th September, 2024 (3:38 pm-4:18pm)