



BABU BANARASI DAS

NORTHERN INDIA INSTITUTE OF TECHNOLOGY

LUCKNOW

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Department of Information Technology

(Accredited by National Board of Accreditation)

Newsletter

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Affiliated to Dr. A.P.J. Abdul Kalam Technical University, Lucknow
(AKTU College Code: 056)

Approved by All India Council for Technical Education (AICTE), New Delhi

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Mr. Viraj Sagar Das

Hon'ble President, BBD Group

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Professor & Head,

Department of Information Technology,
BBDNIIT, Lucknow

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- **Mr. Praveen Sachan**, Assistant Professor, IT
- **Ms. Neelam Chakravarti**, Assistant Professor, IT
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Genesis



**Late Babu Banarasi Das Ji
(1912 – 1985)**

Ex Chief Minister, Govt. of 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

Hon'ble Founder



Late Dr. Akhilesh Das Gupta

(1961 – 2017)

Ex-Member of Parliament (Rajya Sabha)

Hon'ble Founder & Ex-Chairman, BBD Group

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

A distinguished political leader, philanthropist, educationist and social worker, Dr. Akhilesh Das is the pride of Lucknow city. He has established himself as a worthy son of his illustrious father Late Babu Banarasi Das Ji.

Public Life

He has obtained MBA, LLB & Ph.D. (Human Resource Management) degrees; Dr. Akhilesh Das decided to follow his father’s footprints by choosing Social Service as his primary goal. In his distinguished public life spanning well over three decades, Dr. Das was first elected as the Mayor of Lucknow in year 1993

and became one of the youngest Mayors of the world. Subsequently, he was elected as a **Member of Parliament (Rajya Sabha)** in November 1996 and was re-elected for a second term in November 2002 till November 2008. Dr. Das has been elected again as a Member of Parliament (Rajya Sabha) for a third consecutive term in 2008 till 2014.

Dr. Das has been a member of many important parliamentary committees and National level apex advisory & statutory bodies including the AIMS. He has been a member of the Executive Committee of AICTE. He had been the Chairman Parliamentary Standing Committee for Industries. He also served with distinction as the Union Minister of State for Steel and made a place for himself as one of the foremost National leaders.

Contribution to Sports

Dr. Akhilesh Das was an enthusiastic sports person. He underwent an exhaustive training in England as a Junior Badminton player. Later, he represented and captained the U.P. State Badminton team for many years and won many National & International tournaments including the National Doubles Championship. His love for other sports is no less. He has been instrumental in organizing and facilitating many National level tournaments in various sports. He was the president of the U.P. Olympic Association & Chairman of Badminton Association of India.

Contribution to the Cause of Education

As a social thinker, Dr. Das realized the need of Quality Technical & Professional education for the overall growth and upliftment of the masses and development of the State of Uttar Pradesh. Accordingly, Babu Banarasi Das Educational Society (**BBDES**) was founded through which the torch for higher professional education was lit in Lucknow, the Capital of U.P. The first institution in the series, Babu Banarasi Das Institute of Technology & Management (**BBDITM**), Lucknow was established in 1998 and Babu Banarasi Das Northern Indian Institute of Technology (**BBDNIIT**), Lucknow in 1999, Dr. Akhilesh Das Gupta Institute of Technology & Management (**ADGITM**), New Delhi in 2003, Babu Banarasi Das Engineering College (**BBDEC**), Lucknow in 2009 and Babu Banarasi Das University (**BBDU**), Lucknow in 2011.

Hon'ble Chairperson, BBD Group



Mrs. Alka Das

A 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.

Mrs. Das is a Management expert and a legal luminary who has a long involvement with issues of social justice and women empowerment in our country. She is a legal consultant to several reputed organizations and an active Social Worker. She is connected with many National Social & Educational Organizations. She is also a Life Member of the "Rajasthan High Court Bar Association". The establishment of Northern India Engineering College, Lucknow was an initiative taken by her to provide quality professional education to match the International Standards.

As a Co-founder of Babu Banarasi Das Group of Educational Institutions, Mrs. Das has made a fertile attempt to nurture a generation of self-made and highly motivated students with an inbuilt commitment to do something constructive for the Country.

Hon'ble President, BBD Group



Mr. Viraj Sagar Das

Vice- President, Badminton Association of India
President, Uttar Pradesh Olympic Association

“Education is the most powerful weapon which you can use to change the world” – Nelson Mandela

Babu Banarasi Das Educational Group has its roots lying deep in quality education practices that equip each student with broad outlooks to prepare them for this futuristic world. We are committed to providing the education that fulfils the needs of today's world. Today, education is not limited to textbook courses and its practical implementation. Education has been through a major transformation where apart from the syllabus, it has become imperative to inculcate some extra skills in the students so that they could truly succeed in their lives. We encourage our students to perform well in their academics and also to take active participation in all the co-curricular activities in order to develop interpersonal skills, take up challenges, and be self-dependent and most importantly, have a good time while learning.

Vision and Mission Statements of the Institute

Vision of the Institute

“To establish a multi-disciplinary environment with excellence in technical education and research for developing competent professionals who meet the challenges of industrial and societal development with human values and ethics.”

Mission of the Institute

M1. To provide an excellent environment with supporting infrastructure to prepare globally competent professionals acceptable to industry and society

M2. To inculcate a spirit of research, innovation and entrepreneurship by exposing multi-disciplinary approach

M3. To motivate aspiring graduates to solve real life problems with zeal of lifelong learning

M4. To imbibe a healthy environment which helps to develop intellectual capabilities among graduates to transform them into professionals with human values and ethics

About the Department

The Department of Information Technology offers Bachelor's degree in Information Technology. This degree program prepares graduates for successful, profitable and lifelong careers in IT and ITES fields. Information Technology students study software systems through innovative classroom instructions, supported by laboratories equipped with the state of-the-art hardware and software. The department ensures that the students are introduced to both fundamental and advanced knowledge in areas such as Networking technology, Computer Security and software engineering, Cloud Computing, Data Analytics etc.

Salient Features of the department are as follows.

- State of the Art Computing Facilities
- ICT in Teaching and Learning
- Teacher as Mentor
- Research & Publications with Social Impact
- Supportive Learning for Placements
- Professional Development for Industrial Engagement

Various activities conducted by the department for the students are as follows.

- Value Added Courses
- Career Oriented Add-On Courses
- Special Training for Competitive Examination
- Expert Lectures for Industry Interaction
- Report Writing & Paper Presentation
- Personality Development & Soft Skill Training

Vision of the Department

“To be a dynamic and premier center for imparting transformative education with quality teaching-learning to excel students in the field of Information Technology and to meet the expectations of the industry and society with moral values and ethics.”

Mission of the Department

M1: To provide cutting edge knowledge based education through compatible infrastructure to develop professionals who cater the need of Industry and society at large.

M2: To motivate graduates for achieving excellence in academics, industry and entrepreneurship to serve the society.

M3: To inspire students for transformation in industry and society with their noble values and professional ethics.

Program Educational Objectives (PEOs)

The Program Educational Objectives of the U.G. program in the Department of Information Technology are:

After 4 years of completing this program, the students:

PEO-1: Graduates will be able to apply procedural and programmatic knowledge with innovative skills to provide solutions in a technology-driven era.

PEO-2: Graduates will possess professional competency to be employable, entrepreneur and inclination towards higher education with a zeal for life-long learning.

PEO-3: Graduates will be a valuable asset for society by exhibiting their professional engineering quality with moral values and ethics.

Program Specific Objectives (PSOs)

PSO-1: The graduates should have ability to provide engineering solutions in the field of Image Processing, Machine Learning, Cloud Computing and Data Sciences using available IT tools and techniques.

PSO-2: The graduates should have ability to employ inter-disciplinary approaches to design and develop IT solutions for real world problems.

Program Outcomes (POs)

Information Technology (IT) Graduates will be able to:

1. **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2. **Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
3. **Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
4. **Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
5. **Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
6. **The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
7. **Environment and Sustainability:** Understand the impact of the professional engineering solutions in societal and environmental context and demonstrate the knowledge of, and need for sustainable development.
8. **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9. **Individual and Team Work:** Function effectively as an individual and as a member or leader in diverse teams and in multidisciplinary settings.
10. **Communication:** Communicate effectively on complex engineering activities with the engineering community and with the society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
11. **Project Management and Finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
12. **Life Long Learning:** Recognize the need for, and have the preparation and ability to engage in independent and lifelong learning in the broadcast of technological change.

MESSAGE FROM THE DIRECTOR (ENGG.)



It gives me an immense pleasure to know that Department of Information Technology is bringing out its 10th issue (Volume 5, Issue II) of bi-annual departmental newsletter for Odd Semester (July - December 2024) to reflect its achievements and accomplishments in its curricular and extracurricular domains. As you scan through the pages, it will enlighten you with the important milestones that department has achieved this year. The department provides a perfect atmosphere for nurturing talent, cultivating skills and maintaining values of life.

I congratulate the entire team headed by Prof. (Dr.) Bhawesh Kumar Thakur for its concerted effort in reemphasizing the technical skills along with core value of moral education and wish that the process will continue and go a long way in enriching the educational heritage.

Finally I must add that the students of our college are making us ever so proud by the conduct of their educational and social aspects of life. They are bringing glory to themselves, their families, to us and above all to the nation. I wish them all the success in life.

Regards

Prof. (Dr.) V. K. Singh

Director (Engg.)

Babu Banarasi Das Northern India Institute of Technology, Lucknow

Message from Head of Department



I am happy to note that the Department of Information Technology is releasing its Newsletter for Odd Semester (July - December 2024) enumerating the various activities and achievements of our faculty and students.

The department endeavors to produce confident professionals tuned to real time working environment. The department offers excellent academic environment with a team of highly qualified faculty members to inspire the students to develop their technical skills and inculcate the spirit of team work in them

Regards

Prof. (Dr.) Bhawesh Kumar Thakur

Head, Department of Information Technology

Babu Banarasi Das Northern India Institute of Technology, Lucknow

Memories of last day

B. Tech (Information Technology) 2020-2024 Batch



Campus Placements: Top Placements for 2020-24

Sr. No	Roll No	Student Name	Company Name	Salary Package (LPA)
1	2000560130001	ANUSHKA SINGH	PLANET SPARK	6.50
2	2000560130002	SHREYA RAI	PLANET SPARK	6.50
3	2000560130011	ANUSHKA SINGH	XENONSTACK	5.50
4	2000560130011	MOHAMMAD MOHSIN RAZA	XENONSTACK	5.50
5	2000560130011	ABHAY PRATAP SINGH CHAUHAN	GENPACT	4.18
6	2000560130020	NITIN PRAJAPATI	GENPACT	4.18
7	2000560130024	SHREYA RAI	GENPACT	4.18

8	2000560130025	HARSHIT SINGH	VIVO MOBILE INDIA PVT. LTD.	3.60
9	2000560130031	AADITYA PAL	TCS NQT	3.37
10	2000560130033	JUNED AHMAD	HCL TECH	3.25
11	2000560130036	UTKARSH JOSHI	HCL TECH	3.25
12	2000560130050	ANUSHKA SINGH	GENPACT	3.00
13	2000560130050	NETRA RATHORE	GENPACT	3.00
14	2000560130054	KOMAL	FUSION BUSINESS SOLUTIONS PRIVATE LIMITED	2.74

Results June 2024 University Examination

TOP FIVE POSITION HOLDERS IT 4th Year 2024-25

SR. NO	ROLL NO.	STUDENT NAME	CGPA	POSITION
1	2000560130019	HARSH GUPTA	8.42	1
2	2000560130050	SHREYA RAI	8.34	2
3	2000560130036	NITIN PRAJAPATI	8.33	3
4	2000560130001	AADITYA PAL	8.11	4
5	2000560130011	ANUSHKA SINGH	8.05	5

Results June 2024 University Examination

TOP FIVE POSITION HOLDERS IT 4th Year (8th Semester) 2024-25

SR. NO	ROLL NO.	STUDENT NAME	SGPA	POSITION
1	2000560130024	JUNED AHMAD	9.17	1
2	2000560130025	KOMAL	9.17	1
3	2000560130023	ISHITA SINGH	9	2
4	2000560130035	NITESH AGRAHARI	9	2
5	2000560130037	PRIYANSHI SHARMA	9	2
6	2000560130045	SHIVAM PANDEY	9	2
7	2000560130050	SHREYA RAI	9	2
8	2000560130059	YASHI SRIVASTAVA	9	2
10	2000560130019	HARSH GUPTA	8.83	3
11	2000560130021	HIMANSHU SINGH	8.83	3
12	2000560130036	NITIN PRAJAPATI	8.83	3
13	2000560130040	RAMAN KUMAR	8.83	3
14	2000560130001	AADITYA PAL	8.67	4
15	2000560130011	ANUSHKA SINGH	8.67	4
16	2000560130012	ASHISH KUMAR	8.67	4
17	2000560130020	HARSHIT SINGH	8.67	4
18	2000560130038	RAJ GUPTA	8.67	4
19	2000560130009	AKSHAY MATHUR	8.5	5
20	2000560130029	MEHBOOB ALAM	8.5	5
21	2000560130043	SANDEEP CHAURASIYA	8.5	5

Results June 2024 University Examination

TOP FIVE POSITION HOLDERS IT 3rd Year (6th Semester) 2024-25

SR. NO	ROLL NO.	STUDENT NAME	SGPA	POSITION
1	2100560130012	AWANI SHUKLA	8.43	FIRST
2	2100560130028	UTKARSH KUMAR SRIVASTAVA	8.33	SECOND
3	2100560130029	UTKARSH SHUKLA	8.29	THIRD
4	2100560130002	ABHISHEK TIWARI	8.24	FOURTH
6	2200560139008	SATYAM TIWARI	8.14	FIFTH

TOP FIVE POSITION HOLDERS IT 2nd Year (4th Semester) 2024-25

SR. NO	ROLL NO.	STUDENT NAME	SGPA	POSITION
1	2200560130016	ASHWANI YADAV	7.87	1
2	2200560130041	RENU KUMARI PRAJAPATI	7.65	2
3	2300560139003	HIMANSHU KUMAR SINGH	7.57	3
4	2200560130048	SHAILJA SHUKLA	7.48	4
5	2200560130056	SWASTIK KHARE	7.48	4
6	2200560130062	VIPIN VERMA	7.48	4
7	2200560130014	ARUSHI THAKUR	7.39	5
8	2200560130045	RUDRANSH SHAHI	7.39	5

Webinars, Workshops & Seminars organized by Department

Awareness Campaign on Improving Bank Gender Diversity

The Department of Information Technology, in association with the **Institution's Innovation Council (IIC)** and the **Training & Placement Cell**, organized an **Awareness Campaign on Improving Bank Gender Diversity** in collaboration with the **Reserve Bank of India (RBI), Lucknow** on **21 October 2024** at the Seminar Hall, BBDNIIT. The campaign highlighted RBI's initiatives to promote gender diversity, equal opportunities, and an inclusive work environment in the banking sector.

The session also familiarized students with career opportunities at RBI, recruitment processes, internship programmes, and the importance of diversity and inclusion in the financial sector. The interactive program encouraged students, particularly aspiring professionals, to explore rewarding careers in banking and public service while fostering awareness of workplace equality and professional excellence.



Webinars, Workshops & Seminars organized by Department

Seminar on Crafting Profile for Premium Placements and Higher Education

The Department of Information Technology, BBDNIIT, organized an insightful seminar on "Crafting Profile for Premium Placements and Higher Education" on 19 November 2024. The session was delivered by Mr. Satish Anand, Founder & CEO of AAO SEEKHE, International Author, Josh Talks Speaker, and Life Skills Trainer, who shared valuable guidance on building a strong professional profile for top placements and higher education opportunities.

The seminar focused on essential aspects of career planning, including resume building, personal branding, communication skills, interview preparation, and strategies for securing admissions to prestigious institutions. The interactive session motivated students to develop industry-relevant skills and prepare confidently for successful careers in both the corporate and academic domains.



Coding Champion Competition

Coding Competition – Coding Champion 2024

The **Department of Information Technology, BBDNIIT**, organized a **Coding Competition – “Coding Champion (Faster and Focused Coder)”** on **20 December 2024** to encourage students to enhance their programming skills, logical thinking, and problem-solving abilities. The competition provided a challenging platform for participants to demonstrate their coding proficiency by solving programming problems within a stipulated time frame.

The event witnessed enthusiastic participation from students across different batches, fostering a spirit of innovation, healthy competition, and technical excellence. Through this initiative, students gained valuable experience in algorithmic thinking, time management, and competitive programming, further strengthening their readiness for technical interviews and industry-oriented challenges.



Babu Banarasi Das
Northern India Institute of Technology
Affiliated to Dr. A.P.J. Abdul Kalam Technical University, Lucknow

Department of Information Technology

Organizing

Coding Competition

CODING CHAMPION

(Faster and Focused Coder)



Date: Friday, December 20, 2024. Time: 11:00 AM
Venue: Department of Information Technology,
4th floor, New Block, BBDNIIT, Lucknow

For Registration Scan the QR Code

FDP/MDP Attended by Faculty

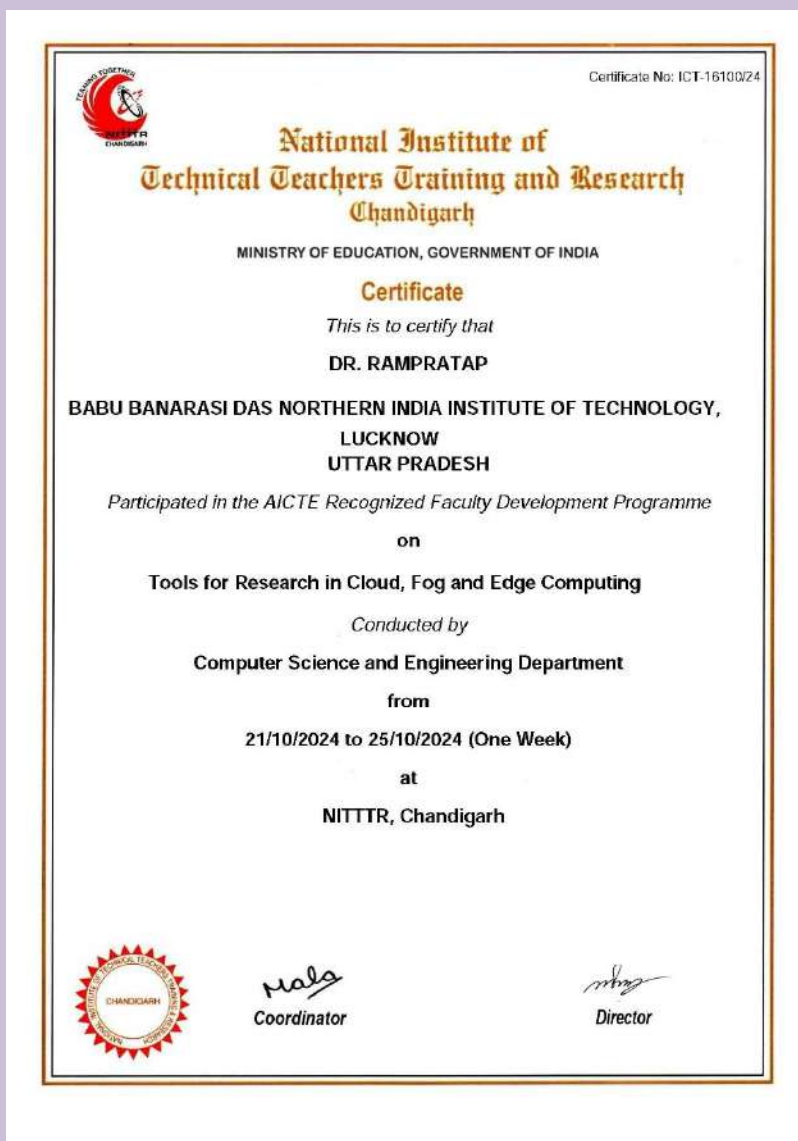
Dr. Bhawesh Kumar Thakur

01 week Faculty Development Programme on AI/ML and Data Science for Industry 4.0 (Basic Level) organized by Computer Science and Engineering Department, NITTTR, Chandigarh online from **2023-08-21 to 2023-08-25**.

Dr. Ram Pratap

Attended 05 days FDP on Tools for Research in Cloud, Fog and Edge Computing organized by Computer Science & Engineering Department NITTTR, Chandigarh online from **21st Oct 2024 to 25th Oct 2024**.

Attended 05 days FDP on Deep Learning for Engineering Applications organized by Computer Science & Engineering Department NITTTR, Chandigarh online from **02nd Sept 2024 to 06th Sept 2024**.



Student Achievements

Congratulations to **Mr. Abhishek Tiwari** Student of IT 3rd Year for successfully completing the NPTEL Course on “**Google Cloud Computing Foundations**” with a consolidated score of 80% in Semester Aug – Oct 2024.



Congratulations to **Mr. Shubham Kumar Chaudhary** Student IT 3rd Year for successfully completing the NPTEL Course on “**Google Cloud Computing Foundations**” with a consolidated score of 72% in Semester Aug – Oct 2024.



Industrial Visits

Industrial Visit to Software Technology Parks of India (STPI), Lucknow

The **Department of Information Technology, BBDNIIT**, organized an **Industrial Visit to the Software Technology Parks of India (STPI), Lucknow**, on **23 October 2024** for B.Tech students. The visit provided students with first-hand exposure to India's IT ecosystem, startup incubation facilities, software export promotion initiatives, and the role of STPI in fostering innovation and entrepreneurship in the technology sector.

During the visit, students interacted with industry experts and gained valuable insights into emerging technologies, startup support mechanisms, IT infrastructure, and career opportunities in the software industry. The experience bridged the gap between classroom learning and real-world industry practices, enhancing students' technical knowledge and professional outlook.



Industrial Visits

Industrial Visit to Tata Consultancy Services (TCS), Lucknow

The Department of Information Technology, BBDNIIT, organized an **Industrial Visit to Tata Consultancy Services (TCS), Lucknow**, on **4 December 2024** for B.Tech students. The visit provided students with valuable exposure to the IT industry's working environment, enabling them to understand software development practices, emerging technologies, digital transformation, and corporate work culture through expert interactions and facility tours.

The visit served as an excellent platform to bridge the gap between academic learning and industry expectations. Students gained practical insights into career opportunities, industry best practices, and the professional skills required to succeed in the rapidly evolving technology sector, making the experience both informative and inspiring.



Teachers' Day Celebration 2024

The **Department of Information Technology, BBDNIIT**, enthusiastically participated in the **Teachers' Day Celebration 2024** organized by the **BBD Educational Group** to honor the invaluable contributions of teachers in shaping future generations. The celebration commenced with a floral tribute to **Dr. Sarvepalli Radhakrishnan**, followed by a felicitation ceremony recognizing the dedication and achievements of distinguished faculty members.

The event featured inspiring addresses by dignitaries, vibrant cultural performances by students, and moments of appreciation that reflected the strong bond between teachers and students. The celebration reaffirmed the institution's commitment to academic excellence, respect for educators, and the holistic development of the academic community.



Shri Ganesh Mahotsava 2024

The **Department of Information Technology, BBDNIIT**, enthusiastically participated in the **BBD Educational Group Shri Ganesh Mahotsava 2024**, held from **7–11 September 2024**. The five-day celebration featured devotional ceremonies, cultural performances, music, dance, and various artistic events, fostering an atmosphere of spirituality, unity, and cultural harmony across the campus.

The event witnessed enthusiastic participation from students, faculty, and staff, providing a vibrant platform to showcase talent, strengthen teamwork, and celebrate India's rich cultural heritage. The festival reinforced the institution's commitment to holistic development by promoting cultural values alongside academic excellence.

