



Department of Civil Engineering

BABU BANARASI DAS

NORTHERN INDIA INSTITUTE OF TECHNOLOGY

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

Approved by All India Council for Technical Education (AICTE)

SectorII, Dr Akhilesh Das Nagar, Faizabad Road, Lucknow(UP)–India, 226028

Website:www.bbdniit.ac.in

CONTENTS

Institutional Vision,Mission.....	1
Vision,Mission, PEO's, PO's of	
ITD.....	Error! Bookmark not defined.
Online Lectures.....	2
Faculty Achievements.....	2
Guest Lecture.....	2
Workshop/Conference participated by faculties.....	3&4
Student Achievements.....	4
Besy five projects.....	4
Winners of Annual Fest.....	5
Poster made during lockdown.....	6
Academic Calender.....	6

INSTITUTE VISION

“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...”

INSTITUTE MISSION

- 1.) To attain excellence in imparting technical education from the undergraduate through doctoral levels by adopting coherent and judiciously coordinated curricular and co- curricular programs.
- 2.) To foster partnership with industry and Governmental agencies through collaborative research and consultancy.
- 3.) To nurture and strengthen auxiliary soft skills for overall development and improved employability in a multi cultural work space.
- 4.) To develop scientific temper and sprit of enquiry in order to harness the innovative talents.
- 5.) To develop constructive attitude in the students towards the task of nation building and empower them to become future leaders.
- 6.) To nourish the entrepreneurial instincts of the students and hone their business acumen.
- 7.) To involve the student and faculty in solving local community problems through economical and sustainable solutions.

DEPARTMENT VISION

The department of Civil Engineering is committed to deliver quality technical education along with strong human values, which will produce a work force of young professionals who will be socially aware to provide solutions from grass root level to the future challenges of Civil Engineering in the global community.

DEPARTMENT MISSION

- 1.) To offer regular curriculum in civil engineering and other skill development courses that adds to the knowledge base of student and develop their competencies.
- 2.) Providing students with in-depth knowledge of the major technical disciplines of civil engineering, and interactive sessions which include seminar and presentations, giving hands on experience for proper understanding of Civil Engineering concepts through state-of -art Labs. To have regular interaction with industries in the form of industrial visits and offer solutions to their problems.
- 3.) To develop a study plan which stresses on designing, constructing, maintaining, and improving structures, facilities, and other infrastructure, including transportation and energy systems, with the goal of wise and efficient use of resources. To incorporate moral and ethical and cultural values among the students with emphasis on respect for human values. To provide knowledge with emphasis on the development of leadership qualities in students.

PROGRAM EDUCATIONAL OBJECTIVES

- 1.) Understand the civil engineering fundamentals and their application to the solution of problems.
- 2.) Develop the proficiency in students regarding engineering knowledge and skills to analyze, design, build, maintain, or improve civil engineering based systems.
- 3.) To offer interactive education and practical skills so that the students can carry out technical investigations within realistic constraints such as economic, social, safety and environmental sustainability.
- 4.) To create interest in the students to engage in life-long learning in advanced areas of civil engineering and related fields.
- 5.) To educate the students in human values and social responsibility to use engineering techniques and its necessary modern tools for civil engineering practice in order to serve the society in a much better way.

ONLINE LECTURE

PROGRAM OUTCOMES

- 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 contexts, 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 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 life-long learning in the broadest context of technological change.*

“Online lecture broadcasted on Doordarshan’s and AKTU official Youtube channel”

The online lecture was delivered by Mr. Indresh Kumar Singh, faculty of Department of Civil Engineering on 4th of December 2020 on Surveying and Geomatics.



The topics covered in the talk were:

1. *Introduction of Surveying*
2. *Chain Surveying*
3. *Types of curves in surveying*

FACULTY ACHIEVEMENTS PAPERS PUBLISHED BY FACULTY

1. Shavez Mukhtar Ansari et al., published a paper on “An Overview on Application of Embedded Optical Fiber Sensors for Concrete Structures” at IJCRT-International Journal of Creative Research Thoughts, 2018| Volume 6, Issue 2 April 2018| ISSN: 2320-2882
2. Nitin Kumar Maurya, et al., published a paper on “Utilization of Sugarcane Bagasse Ash in Improving Properties of Black Cotton Soil” at IRJET-International Research Journal of Engineering and Technology, Volume: 07 Issue : 09| Sep 2020| ISSN: 2395-0056
3. Saumitra Yadav, et al., published a paper on “Utilization of Sugarcane Bagasse Ash in Bitumen” at IJERT-International Journal of Engineering Research and Technology, Volume: 08 Issue : 04| April 2019| ISSN: 2278-0181

GUEST LECTURES

The online lecture was delivered by Mr. Indresh Kumar Singh, faculty of Department of Civil Engineering on 4th of December 2020 on Surveying and Geomatics.

The topics covered in the talk were:

1. Introduction of Surveying
2. Chain Surveying

Types of curves in *surveying*

WORKSHOP/CONFERENCE PARTICIPATION BY FACULTY

Following faculty members attended Faculty Training Program for “PRODUCT DEVELOPMENT” in IIT and IIM.

- 1.) Mr.Ajeet Pratap Singh
- 2.) Mr.Saumitra Yadav
- 3.) Mr.Indresh Kumar Singh



Following faculty members attended one week faculty development program on “CONDITION ASSESSMENT AND RETROFITTING OF CIVIL ENGINEERING STRUCTURES”.

- 1.) Nitin Kumar Maurya
- 2.) Indresh Kumar Singh



Following faculty members attended one week faculty training program on “PRODUCT REALIZATION USING 3D PRINTING”.

- 1.) Saumitra Yadav
- 2.) Shilendra Kumar Shanti



Following faculty members attended one week faculty development program “ADVANCE ACCEPTABLE TECHNOLOGIES USED IN CIVIL ENGINEERING” organised by Department of Civil Engineering, National Institute of Technology and Management, Lucknow, under collaboration with India Concrete Institute.

- 1.) Shavez Mukhtar Ansari
- 2.) Saumitra Yadav
- 3.) Nitin Kumar Maurya
- 4.) Indresh Kumar Singh

One Week Faculty Development Program on “APPLICATION OF DIFFERENT TOOLS AND TECHNIQUES FOR ACADEMIC AND RESEARCH WRITING AND REPORTING” organised by R.R. Institute of Modern Technology, Lucknow was attended by Shavez Mukhtar Ansari from 18th May-23rd May 2020.

One Week Faculty Development Program on “RECENT INNOVATION IN RENEWABLE ENERGY TECHNOLOGIES AND SMART GRIDS” organised by Department of Electrical Engineering, Bansal Institute of Engineering and Technology, Lucknow was attended by Shavez Mukhtar Ansari from 8th June-12th June 2020.

“VIRTUAL WORKSHOP ON MODELLING, SIMULATION AND IMPLEMENTATION USING MATLAB AND SIMULINK (MSIMS-20)”, organised by Bansal Institute of Engineering and Technology, Lucknow

STUDENT ACHIEVEMENTS

Mr. Prince Babu Mishra had won a silver medal in AKTU Exam.



Mr. Prakhar Shri attained an All India rank of 105 in GATE Exam and Bronze Medal in AKTU Exam, Mr. Mohd. Shadab attained an All India rank of 407 in GATE Exam, 2018 and 6th Rank in AKTU Exam.



Mr. Adhesh Kumar Jaiswal and Mr. Manish Kumar had placed in MP Birla Group.



Students selected in Motifospace Construction India Pvt Ltd.

- 1.) Abhiraj Singh
- 2.) Abhinav Pratap Mitra
- 3.) Akhilesh Prajapati
- 4.) Akshit Raman
- 5.) Sachin Pandey

BEST FIVE PROJECTS PREPARED BY THE FINAL YEAR STUDENTS

- 1.) Smart City (Abhinav Pratap Mitra, Adesh Jaiswal, Akhilesh Prajapati, Anjali Shukla, Ankit Pandey, Kunvar Siddharth Raj)
- 2.) Distribution Of Water Supply Via Combined System With Grid Iron Pattern (Pankaj Singh, Priyanshu Tripathi, Shahrukh Khan, Shashank Tripathi, Utkarsh Gangwar, Sachin Pandey)
- 3.) Sewage Treatment Plant (Anurag Dixit, Amaan Qidwai, Anurag Dixit, Gaurav Kumar, Kishan Jaiswal, Udit Narayan)
- 4.) Rain Water Harvesting From Highway (Vineet Maurya, Vivek Maurya, Anit Kumar, Sharif Khan, Sudhanshu Vikram, Ashutosh Yadav, Ravi Prakash Maurya)
- 5.) Smart Village (1. Manish Kumar, Naved Raza, Sanjeev Ra, Shaksham Srivastav, Jitin Kamle, Sarveed Ahamd)

WINNERS OF ANNUAL FEST UTKARSH 2020



POSTER MADE BY STUDENTS DURING LOCKDOWN DUE TO CORONA PANDEMIC



VISITS

Industrial visit to "Green Concrete" factory, Chandigarh.



Industrial visit to "Ambuja Cement" factory, Nalagarh, Himachal Pradesh.



Industrial visit to "Dehar Power House", Himachal Pradesh.



Industrial visit to "Snow Fountain Consultants", Lucknow.

ACADEMIC CALENDAR 2021

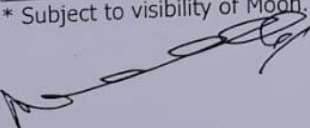
OFFICE OF THE CHIEF EXECUTIVE DIRECTOR **BBDNITM/BBDNIIT/BBDEC/BBDU Lucknow**

Ref.: BBDNITM-BBDNIIT-BBDEC-BBDU/Holidays/2020

LIST OF HOLIDAYS – CALENDAR YEAR – 2020

S. No	Name of holidays	No. of days	Date	Day
1.	Republic Day	01	January 26, 2020	Sunday
2.	Maha Shivratri	01	February 21, 2020	Friday
3.	Holi Vacations	03	March 09 to 11, 2020	Monday to Wednesday
4.	Ramnavmi	01	April 02, 2020	Thursday
5.	Good Friday	01	April 10, 2020	Friday
6.	Dr. Bhim Rao Ambedkar Jayanti	01	April 14, 2020	Tuesday
7.	*Last Friday of Ramzan (Alvida)	01	May 22, 2020	Friday
8.	*Id-UL- Fitar	01	May 25, 2020	Monday
9.	*Id-UL-Zuha (Bakhreed)	01	July 31, 2020	Friday
10.	Raksha Bandhan	01	August 03, 2020	Monday
11.	Janmashtmi	01	August 11, 2020	Tuesday
12.	Independence Day	01	August 15, 2020	Saturday
13.	Ganesh Chaturthi	01	August 22, 2020	Saturday
14.	*Moharram	01	August 29, 2020	Saturday
15.	Gandhi Jayanti	01	October 02, 2020	Friday
16.	Dushehra (Maha Navmi)/ Dushehra (Vijay Dashmi)	03	October 24 to 26, 2020	Saturday to Monday
17.	*Id-E-Milad (Barawafat)	01	October 29, 2020	Thursday
18.	Deepawali Vacations	05	November 12 to 16, 2020	Thursday to Monday
19.	Guru Nanak Jayanti / Kartik Purnima	01	November 30, 2020	Monday
20.	Christmas Day	01	December 25, 2020	Friday

* Subject to visibility of Moon.


R.K. Agarwal

Chief Executive Director
BBD Educational Group