



INSIGHTS

DEPARTMENT OF CIVIL ENGINEERING BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

NAAC Accredited, Approved by AICTE, Affiliated to JNTUH



About the college

Bharat Institute of Engineering & Technology (BIET), established in 2001 by Chinta Reddy Madhusudhan Reddy Educational Society (CHMR) under the leadership of Sri Ch. Venugopal Reddy, an eminent educationist with a social conscience and commitment. It has grown in its size and stature over the years, from an initial intake of 240 to 1350 students. BIET is one of the largest Engineering Colleges in Telangana. It offers 10 B.Tech programs, 8 M.Tech programs and 1 MBA program. With consistent and excellent academic performance of students in the University examinations, the Institute has endeared itself to many students and parents. Bharat Institute of Engineering & Technology (BIET) boasts of well experienced and highly qualified faculty, State-of-the-art Infrastructure, regular placements and well equipped laboratories.









Institute infrastructure







MESSAGE FROM THE HEAD OF DEPARTMENT

I congratulate all the passing out students of Civil Engineering Department. I hope you have achieved your goal/ ambition in your life with the education in BIET. I also welcome the newly joined students. I congratulate you on achieving your goal of pursuing your higher studies in Civil Engineering. I am sure that your dream of doing higher studies in Civil Engineering will be fulfilled here in BIET. We are very happy to publish the Civil Engineering Magazine. The Magazine focus on various activities of Department for the past years. The Magazine is meant to give various information on the Department history, academic activities, student creativities and information on many aspects of research and development. I appreciate the work of the Magazine Editorial Committee for their contributions in the preparation of this Magazine.

Maboobi M.Shabashkhan Assistant Professor



About Civil Engineering at BIET

Department of Civil Engineering was established in 2008 with an intake of 60, enhanced to 120 in 2011 for B.Tech. course. The department also started offering a two year M.Tech. Program in Structural Engineering with an intake of 18 from the year 2012. Our department has well qualified, experienced and dedicated faculty and committed supporting staff.

The departmental major activities include teaching, research and providing consultancy services to various organizations in the area of Civil Engineering like Transportation, Meteorology and Earthquake resistant design of structures.

What we have

Engineering education is incomplete without laboratory practice. The overall goal of engineering education is to prepare students to practice engineering and in particular to deal with the nature of problems faced by society. The laboratory practice has been an important part of professional and engineering undergraduate education; a laboratory is an ideal place for active learning. Students learn in a real-world environment, function as team members.

- Surveying Laboratory
- Strength of Materials Laboratory
- Auto CAD Laboratory
- Engineering Geology Laboratory
- Fluid mechanics and Hydraulic Machinery Laboratory
- Geotechnical Engineering Laboratory
- Concrete Technology Laboratory
- Transportation Engineering Laboratory
- Environmental Engineering Laboratory
- Advance Concrete Technology Laboratory
- . CAD & GIS Laboratory





All types of engineers, as well as architects, foresters, and geologists are concerned with surveying as mean of:

- Map the earth above and below see level Prepare navigational charts for use on the air, on land and at sea.
- Establish property boundaries of private and public lands.
- Develop data banks of land use to manage the environment.
- Determine facts on the size, shape and magnetic fields of the earth.
- To understand the importance of professional licensure to protect the public in the practice of land surveying.







Strength of Materials Laboratory

Strength of material Laboratory provides the basic knowledge of strength of materials and basic structural elements such as simply supported beam. Students will be able to understand the theoretical concepts of Strength of Material course and enable them to apply it practically in this laboratory. The major tests that can be performed in this laboratory are measuring the properties of the materials such as impact strength, tensile strength, compressive strength, hardness of the materials are conducted in this lab.







AutoCAD is a computer-aided software drafting program. It is used for a number of applications like creating blueprints for buildings, bridges and computer chips to name a few. AutoCAD is 2D and 3D computer aided drafting software application. It is commercial software. Since 1982 it was a desktop application.

Auto-CAD and Software Laboratory

Main features of Autodesk AutoCAD are:

- 3D Modeling and Visualization.
- Photorealistic Rendering.
- Solid, Surface and Mesh Modeling.
- Visual Styles.
- PDF and DGN Import/Export/ Underlay.
- Section Planes.
- 3D Scanning and Point Clouds.
- 3D Navigation.



Fluid Mechanics & Hydraulics Laboratory

Water networks and drainage channels are considered as one of the most important infrastructure component for any city/ civilization. The hydraulics subject is focusing on that side of infrastructure requirements; the hydraulics laboratory in the civil engineering department is fully equipped with all the facilities, which always facilitated to be in the services of society for the use of water for domestic, commercial and agricultural purposes through supply networks and drainage channels.





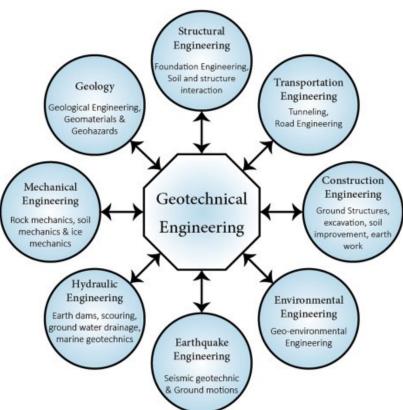


Geology is the study of earth, the minerals and rocks of which it is made. The study of the structures presents in the rocks and the effects of the natural forces acting upon them are essential to understand by civil engineers because all work performed by them involves the earth and its features. The study helps to understand the causes and prevention of many geological activities like earthquakes, landslides and volcanoes. For a civil engineering project like dams, bridges, buildings, etc. to be successful the engineers must understand the foundation rock and their structures, it also helps them to examine rocks for important metals, oil, natural gas and groundwater.

Engineering Geology Laboratory



Geotechnical Engineering Lab









Transportation Engineering Lab



Transportation serves society's basic needs for personal travel and transfer of goods. Transportation engineering applies scientific principle and technical knowledge to provide economical and efficient transportation service that fulfil societal needs while maintaining compatibility with environmental, energy, and road safety goals. It is the transportation engineer's responsibility to plan, design, build, operate and maintain these systems of transport, in such a way as to provide safe, efficient and convenient movement of people and goods.

The Transportation Engineering lab have various equipments required to conduct all standardized tests to assess quality of highway materials, pavement evaluation and traffic engineering studies. Experiments are conducted in pre-, during and post-construction phases of highways. The Transportation Engineering lab does quality assurance and quality control tests for the Roads, Traffic engineering surveys are also conducted in the lab and students learn to conduct spot speed studies, volume counts, and conflict studies for preparing road improvement plans to enhance road safety.



Concrete Technology Lab

The objective of the concrete laboratory is to determine the physical properties of building construction materials like cement, fine and coarse aggregate, and characteristics of cement mortar, plain cement concrete, and reinforced cement concrete. The tests include determination of specific gravity, fineness, normal consistency, setting times, workability and soundness of cement, fineness modulus of fine and coarse aggregate. Further in this lab compressive, tensile, flexural strength on concrete, and non-destructive test on existing concrete structures. The students will be able to infer the suitability of these materials for construction. They can design the concrete mix, make the specimens and test the same for the strength for comparison with design strength. This laboratory course will help the students to understand the theoretical concepts learned in the theory subject.







Environmental Engineering Laboratory

Environmental engineering lab helps in the pollution prevention as air, water and noise testing is done in the lab. As a result of these tests, various remedies can be suggested to reduce the environmental pollution. The purpose of this lab is to make the students aware of the dangerous effects of environmental pollution. With these tests environmental protection agency can keep a check on the hazardous emissions by any industry and can protect health of common man, water toxicity, land spoiling and air pollution. Environmental engineering lab in the chemical engineering department has the following equipment's related to the air, water and noise pollution.



List of faculty

Mrs. Maboobi .M .S Assistant Professor Head of the Department





Dr. Pankaj Kumar Assistant Professor



Dr. Mehar Babu R Assistant Professor



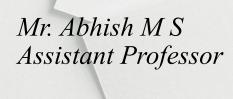
Dr. Manish Kumar Assistant Professor



Dr. K Venugopal Online professor



Mr. P. Nagaraju Assistant Professor







Mr. Sateesh P Assistant Professor

Ms. P Archana Assistant Professor



Mrs. Shweta K Assistant Professor







Mr. Krishna Deep Assistant Professor







Mr. N Sivakumar Assistant Professor

Department Activities



BHARAT

Institute of Engineering and Technology

NAAC Accredited; NBA Accredited for UG Programmes: CSE, ECE, EEE & ME
Approved by AICTE, New Delhi; Affiliated to JNTUH



DEPARTMENT OF CIVIL ENGINEERING

Organizing

MATIONAL III

NATIONAL LEVEL WORKSHOP ON VARIOUS CIVIL ENGINEERING ASPECTS



DELEGATION OF SPEAKERS

ABDUL HAKEEM KAJA MOHIDEEN

Engineer 'G' & Head , Water Resources Informatics Division at National Remote Sensing Centre, Hyderabad



MR. V V GOVINDA RAO

Ex Chief General Manager (Projects)
National Building Construction Corporation

MR GURU RAGHAVENDRA

Assistant Director , Chemistry, Ground water department



DR. ISN RAJU

Chief Engineer (Retd.)
Combined Andhra Pradesh

DR VENUGOPAL

Director (Retd.), Groundwater and water audit Dept. Govt. Of Andhra Pradesh



MRS MABOOBI M SHABASHKHAN

Academic Incharge civil Dept.
BIET

DR.PANDIT

Director , Telangana Ground water Department



Mr. Satyanarayana

Assistant director (Retd.), Groundwater Department Government of Telangana

DR N BHASKAR

GIS expert, Command area Development Vijayawada



Dr.Pankaj Kumar

Assistant professor, CE , BIET

WORKSHOP DATES

9th July,2021 to 10th July,202

WEBINAR DETAILS

DAY 1 - SESSION (09-07-2021 @ 01P.M - 01.45P.M CONJUNCTIVE USE OF SURFACE AND GROUNDWATER IN CANAL COMMAND AREAS. A CASE STUDY OF SRBC CANAL

DAY 1 - SESSION (09-07-2021 @ 02P.M - 02.45P.M)
RAINWATER HARVESTING IN METROPOLITAN CITIES
DAY 1 - SESSION (09-07-2021 @ 03P.M - 03.45P.M)
KALESHWARAM PROJECT AND WATER USE EFFICIENCY
DAY 1 - SESSION (09-07-2021 @ 04P.M - 04.45P.M)

STATUS OF GROUNDWATER IN TELANGANA
DAY 1 - SESSION (09-07-2021 @ 05P.M - 05.45P.M)
CAREER OPPORTUNITIES IN CIVIL ENGINEERING

DAY 2 - SESSION (10-07-2021 @ 01P.M - 01.45P.M)
CHEMICAL ANALYSIS OF WATER SAMPLES
RANGERS IMPORTANCE FOR DRINKING AND
AGRICULTURE

DAY 2- SESSION (10-07-2021 @ 02P.M - 02.45P.M)

REMOTE SENSING APPLICATIONS IN HYDROLOGY AND CIVIL ENGINEERING

DAY 2 - SESSION (10-07-2021 @ 03P.M - 03.45P.M)
APPLICATIONS OF GIS CIVIL ENGINEERING
DAY 2 - SESSION (10-07-2021 @ 04P.M - 04.45P.M)
PROJECT AT AIZAWL MIZORAM NORTH EAST WITH
WITH DIFFICULT TERRAIN

DAY 2- SESSION (10-07-2021 @ 05P.M - 05.45P.M)
APPLICATION OF CABLES IN CIVIL ENGINEERING
STRUCTURES

ORGANIZING TEAM CHIEF PATRON

CH.Venugopal Reddy, Chairman, Bharat Institutions Department of Civil Engineering, Bharat Institutions

e- certificates will be issued on successful completion of workshop

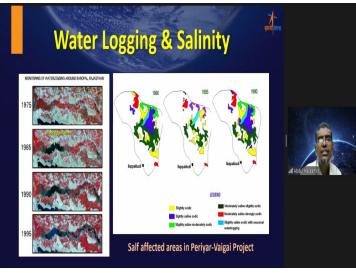
REGISTRATION LINK

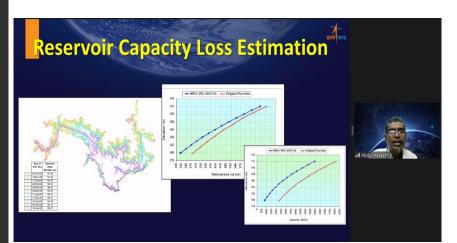


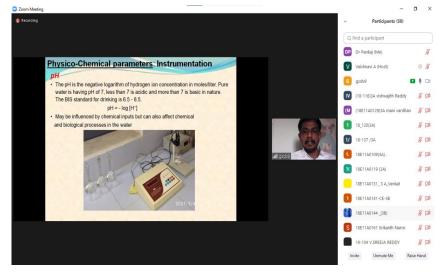
Registration is FREE









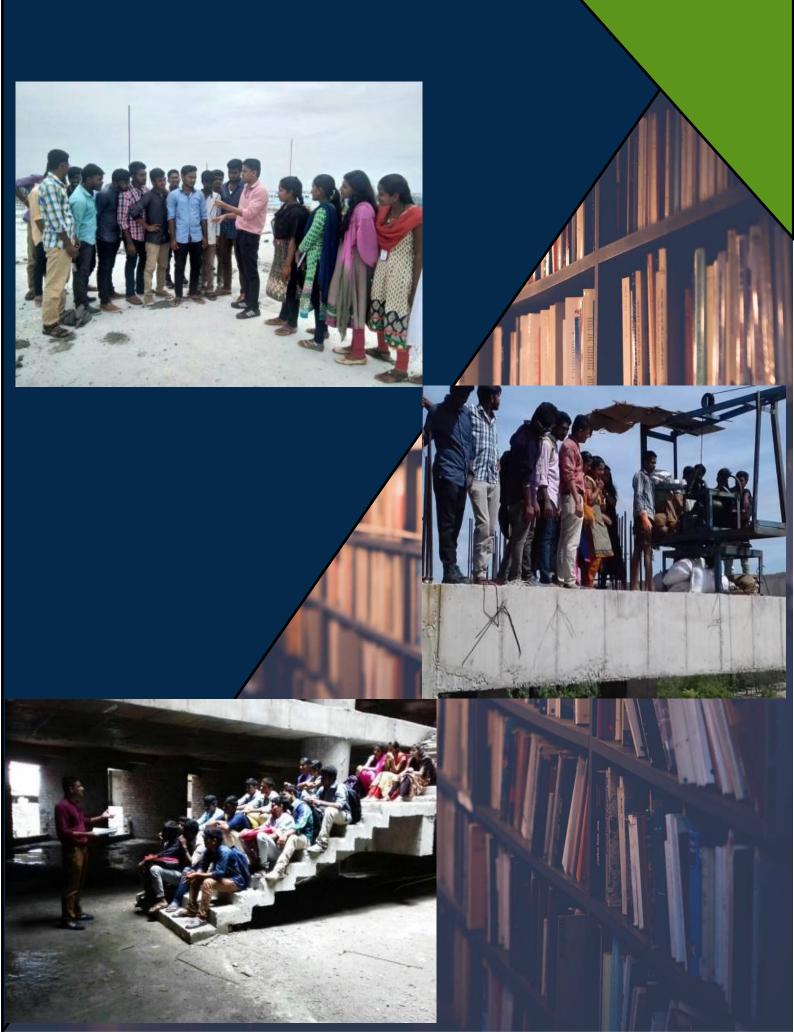








Construction Site Visiting







BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

APPROVED BY AICIE-AFFILIATED TO JNTUH
MAGALPALLY (V),IBRAHIMPATNAM(M),RANGAREDDY(D)-501510

DEPARTMENT OF CIVIL ENGINEERING

PRESENTS

TECHNICAL EVENT

- ONLINE QUIZ
- PAPER PRESENTATION
- ♦ TECHNICAL SEMINAR (PPT)
- ♦ MODEL MAKING (BEST FROM WASTE)
- MOCK INTERVIEW

CHAIRMAN

SHRI CH. VENUGOPAL REDDY

kshetra2k21@gmail.com
biet_kshetra(insta page)

FACULTY CO-ORDINATORS
CIVIL FACULTY

KSHETRA 2K21



NON TECHNICAL

- ONLINE LUDO
- PHOTO CLASH
- ◆ DANCE BATTLE
- **♦ INSTA REELS**
- LOGO QUIZ
- SELFIE CONTEST

STUDENT

CO-ORDINATORS

CONTACT-9542822927

-9640244599

-9908902158

-9381110929



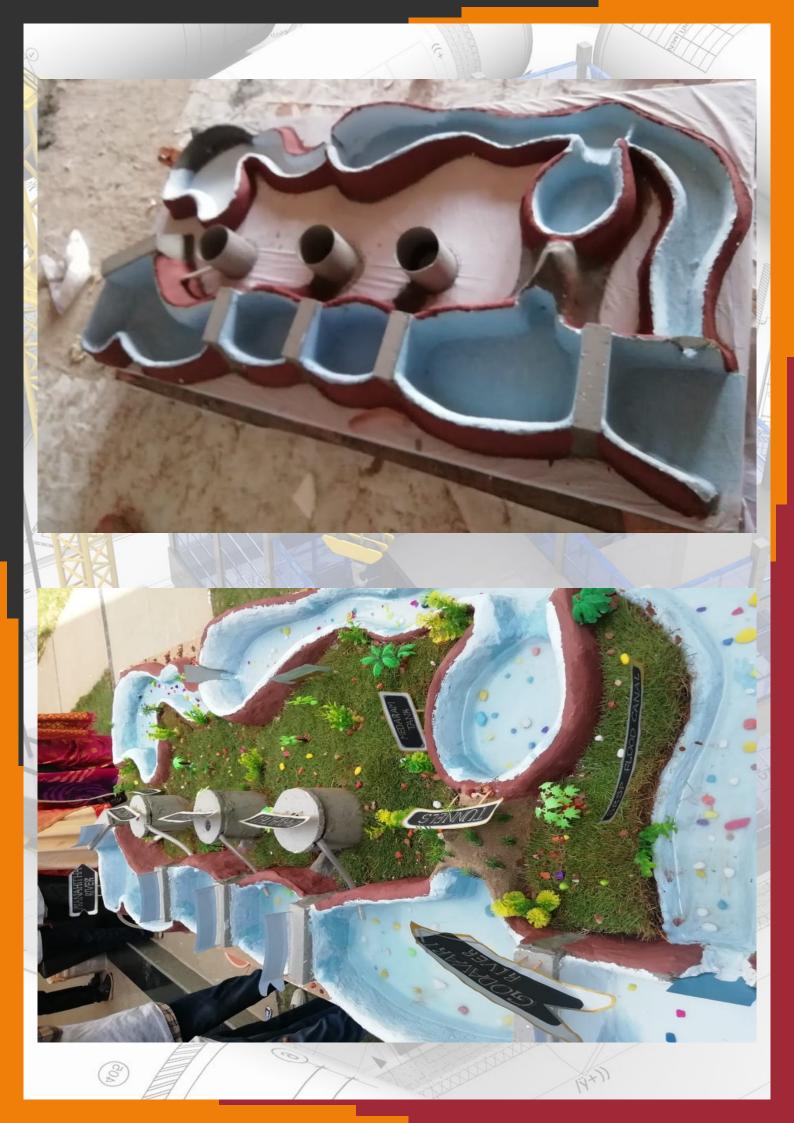




Project Exhibition 19-20





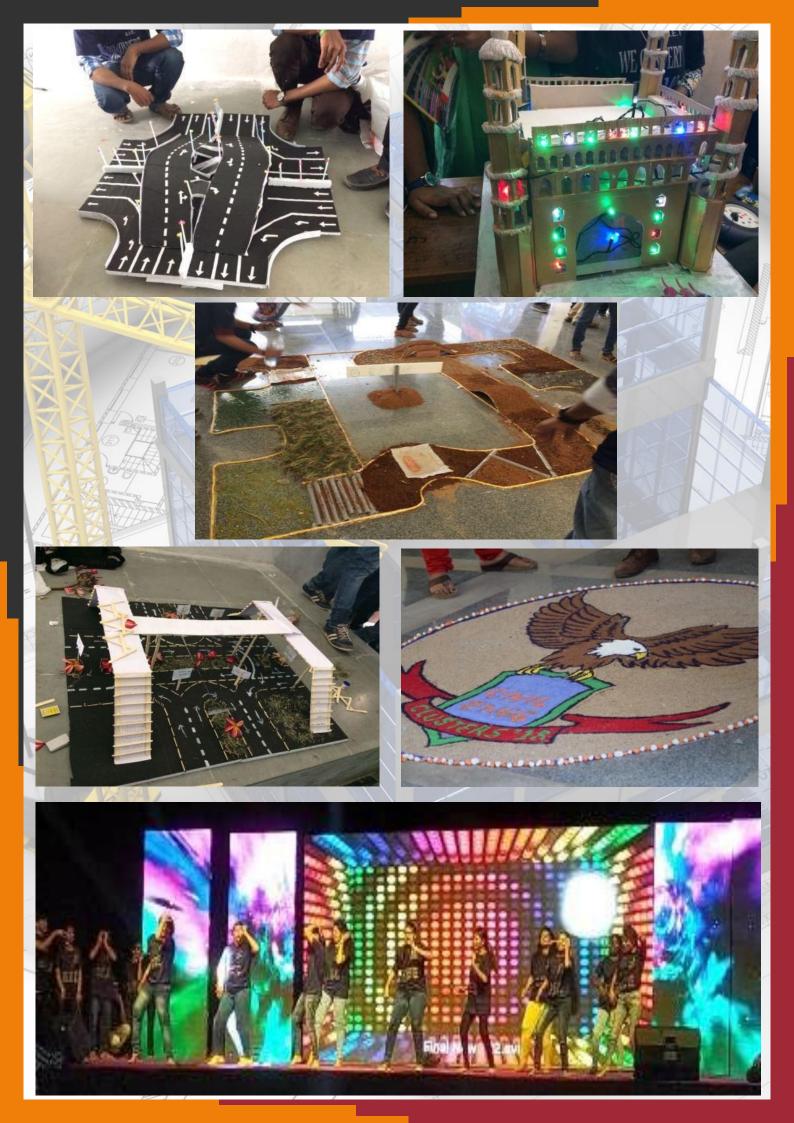












Internships

• The number of internships in 2019-20: 74

	Company Name	No of Students attended	Paid
Ĩ.	MANJEERA	6	No
2.	South Central Railway, Secunda-	6	No
	rabad		
-3.	BHEL	30	No
4.	RCI	10	No
5.	BDL	04	No
6.	SEC Industries Pvt Ltd, Balanagar,	03	No
	DUDLY 1 1 1 1 1 1 1	05	N.
7.	DMRL, Kanchanbagh, Hyderabad	05	No
8.	Daksha Technologies	05	No
9.	BENZ	05	No

• The number of internships in 2020-21: 80

S.No.	Company Name	No of Stu- dents attend- ed	Paid (Yes/ No)
I.	JCB Limited, Hyderabad	06	No
2.	BOSCH India Ltd., Banglore	05	No
3.	NSIC, Hyderabad	21	No
4.	Ashok Leyland, Pune	08	No
5.5	CIPET, Hyderabad	23	No
6.	South Central Railway, Secundarabad	02	No
7.	Kohinoor Engg. Works, Hyderabad	07	No
8.	Sky Rider Institution, Hyderabad	08	No

Placements 2019-20

(Department of Civil Engineering)

Name	Roll No	Company
P. Sweeya Reddy	16E11A0153	RAAM Group
P. Sweeya Reddy	16E11A0153	Aliens G <mark>r</mark> oup
Anusha	16E11A0113	HGS Global
Gujjala Yamini	16E11A0124	HGS Global
M. Sai Akhil	16E11A0138	HGS Global
<mark>Rela</mark> Deepika	16E11A0138	HGS Global
Afreen Sulthana	17E15A0114	HGS Global
<mark>Afreen</mark> Sulthana	17E15A0114	Appmajix
A <mark>runa</mark> Devi	16E11A0112	Ask IT Solutions
Re <mark>la De</mark> epika	16E11A0163	EDUPOLIS
M.A.Faheem	16E11A0147	ETHUS CODE MITHRA
Anthati Akhila	16E11A01102	RAAM Group
M. Sai Akhil	16E11A0138	RAAM Group
P. Sweeya Reddy	16E11A0153	GRIEFO
S.Harshini	16E11A0166	GRIEFO

Placements 2020-21

(Department of Civil Engineering)

SELEATION



A Lavanya 17E11A0139



Bala Mahesh 17E11A0145



Mudavati Sindhulatha
17E11A0144





Y Srikanth 17E11A0139