



# TECHZINE

## DEPARTMENT OF CIVIL ENGINEERING

August 2019 to December 2019

### VISION OF INSTITUTION

TO BE AN INSTITUTION OF EXCELLENCE IN ENGINEERING EDUCATION, INNOVATION AND RESEARCH AND WORK TOWARDS EVOLVING GREAT LEADERS FOR THE COUNTRY'S FUTURE AND MEETING GLOBAL NEEDS.

### MISSION OF INSTITUTION

The Institution aims at providing a vibrant, intellectually and emotionally rich teaching learning environment with the State of the Art Infrastructure and recognizing and nurturing the potential of each individual to evolve into ones own self and contribute to the welfare of all

### VISION OF DEPARTMENT

TO BE A GLOBAL CENTRE OF EXCELLENCE IN IMARTING QUALITY EDUCATION IN ALL THE FRONTIERS OF CIVIL ENGINEERING FOR THE DEVELOPMENT OF THE SOCIETY

### MISSION OF DEPARTMENT

M1: To educate the students in the field of Civil Engineering by adopting best teaching –learning process with state of the art facilities and infrastructure

M2: To encourage the students to contribute to the development of the society by pursuing a promising career in the industry by making them employable with the necessary soft skills and leadership qualities

M3: To encourage the students to pursue higher studies and carryout research and development in various fields of Civil Engineering

### ABOUT THE DEPARTMENT

Civil Engineering is a diversified and one of the oldest branches of Engineering that encompasses study in fields of Structural engineering, Geo technical Engineering, Environmental Engineering, Construction Engineering & management & various other specialized areas. The Civil Engineering mainly involves Planning, Analysis & Design of different infrastructure projects & implementation through sustainable approach on a turnkey basis.

The Departmental facilities of the college include state of art laboratories encapsulating Structural & Geo spatial software's in CAD lab and sophisticated state of art equipment required for conceptualization .The facilities also includes advanced teaching techniques for undergraduate students in the smart classrooms. The objectives of the course calls for effective teaching by experienced faculties through use of different pedagogical facilities thereby creating vibrant learning ambience and exacerbated through industrial visits, guest lectures , workshops etc.

Our faculties are associated with R&D and consultancy works for improvement of quality teaching that makes the department one of the most sort of department in Bangalore. The faculty members contribute to academic development by publishing books and presenting papers in International Conference, National conferences and journals.

### HOD MESSAGE

The Department of Civil Engineering has a well defined plan to coordinate and implement various academic, extra-curricular and co-curricular oriented activities carried out for overall growth of the department. The Faculties constantly interact with various experts and industries from academics and industry to evolve and organize the different events of the department with an objective of bridging the academic and industry gap. The target plan of the department envisages activities that involve conduct of industry oriented workshops, industrial visits, guest lectures, software training, student participation in various paper presentation competitions and other student technical events. These activities are keeping in tune with the departmental vision of attaining Engineering excellence in all frontiers of Civil Engineering achieved through well planned and coordinated efforts of the teaching and non teaching staff that are credible and committed to the core to meet the envisioned departmental standards.

### Programme Educational Objectives:

PEO 1: The students should emerge as successful civil engineers in the industry, consulting firms and the government sector

PEO 2: The students should demonstrate their expertise and skill by being successful entrepreneurs, leaders and innovators which will enable societal growth and national economic development.

PEO 3: the students should demonstrate sustained learning and adopt themselves to the constantly developing field of civil engineering and continue in the path of life-long learning by research and self-study

JYOTHY INSTITUTE OF TECHNOLOGY, THATHAGUNI OFF KANAKAPURA ROAD BENGALURU-560082

E-mail:

[principaljyothyit@gmail.com](mailto:principaljyothyit@gmail.com)

Web: [www.jyothyit.ac.in](http://www.jyothyit.ac.in)

**Technical Talk on BASICS TO BUSINESS for civil engineers:**

A technical talk on “BASICS TO BUSINESS” was given by Mr. Keshava Prasad architect, from M/s shilpa shrungar Ltd Bangalore to all the Civil Engineering students on 03<sup>rd</sup> aug 2019. The talk gave an insight on the utilization of basic concepts in real estate construction into the practical business oriented developments



**Workshop on Earthquake Analysis of Multi-Storied Buildings using E-tabs Software**

A workshop on E-tabs software utilization for earthquake analysis of multi storied buildings was carried out for all students of civil engineering on 08<sup>th</sup> aug 2019. The talk dealt on the issues of generating a model for earthquake forces in multi storied structures. This was aimed at analysis and design of structural components using the software



**Technical Talk on Basics of Project Management with M S Project**

A technical talk on “basics of project management” using M.S project software was given by Dr. suresh Of I.I.T Chennai . The talk gave an insight on the basic issues of project management. The use of activity based planning in construction and activity building on M.S project to facilitate project planning without time and cost overrun.



A technical talk on “green building and future technologies for green development projects” was given to all civil engineering students on 11<sup>th</sup> Nov 2019 by prof. Aunpam saxena. Of RICS school built environment. The talk brought out the issues on sustainable construction with reduced carbon footprint. The concept on green construction was also covered.

### Data capture and data analysis using total station

A workshop on “Data capture and data analysis using total station” was conducted for VIth semester students on 05<sup>th</sup> feb 2020 by prof. Devaraj of AMC Bangalore. The workshop gave a good insight on utilization of total station for data capture, data downloading and use of E-survey software for data terrain analysis to facilitate data 3D presentation and volume computation a part from profile generation



### Industrial visit to water treatment plant

A industrial visit to water treatment plant was conducted on 05feb 2020 to the 1st year students of civil engineering the different aspects of water treatment and the facilities at T.K. halli site was shown and explained by BWSSB engineer.



### In house industrial visit

In house industrial visit to construction site in J.I.T campus was carried out to all the civil engineering students including concrete and steel testing on 08<sup>th</sup> sept 2019 the details on the plan of the project was explained in context to the structural evaluation and analysis

#### FDP/workshop/seminar attended by Professor's :

- Mr.sreekeshava K S has attended A) conference in NIT warangal. B) IACMAG, symposium, IIT Gandhinagar. Etc
- Mr.Ganesh has attended AICERA-2019, amal jyothi college of engineering, kanjirappally , kerala
- Mr.Hemanth.S has attended basic training in fire prevention and fire fighting 3 days workshop.
- Miss.Veena R attended Outcome based education programme 5 days workshop by JIT

