



# Techzine

JAN 2016 to JUNE 2016

## VISION OF DEPARTMENT

TO BE A GLOBAL CENTRE OF EXCELLENCE IN IMPARTING 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

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## Faculty development programme

The Faculty development programme was organised by civil engineering department from 11<sup>th</sup> Jan to 16<sup>th</sup> Jan 2016. The Programme was headed by S Kumar. Faculties from various colleges were participated in this programme which included both sessions and industrial visits.



The above picture was captured during visiting to CIVIL-AID Techno Clinic PVT LTD on 12<sup>th</sup> Jan 2016. The services from CIVIL AID are Structural consultancy, Advisory services and added NABL accredited laboratories for NDT, Geotechnical, and Mechanical & Chemical testing. A brief about methodology was delivered by experts from the respective works. This visit was very advantageous to enhance the knowledge pertaining to material testing.



Second day first session of FDP was on Chemical Admixture and recent trends in concrete technology. The session was started by Mr. Shreedher from BASF chemicals. Information about BASF produces standard and custom-made performance concrete additives, so-called admixtures, from the company's comprehensive Master Builders solutions portfolio. BASF's admixtures enable the production of concrete that is stronger and more durable while also increasing its workability retention.



## 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

## Programme specific outcomes

To enable the students to accomplish the educational objectives, the curriculum is designed to assure that the students will be able to

PSO 1: Apply the knowledge of mathematics, science and engineering to analyse and design civil engineering and transportation systems.

PSO 2: Become capable of analysing the impact of engineering solutions in global, economic, environmental and social context and become responsible citizens.

PSO 3: conduct experiments in the technical areas of civil engineering, analyse and interpret the resulting data

PSO 4: Prepare reports for project work carried out and communicate the necessary civil engineering aspects effectively with presentations and seminars

Session 2 was continued by Mr.Nagabhushan on Modern Indian architecture of Temple with ancient essence.



Third day of FDP, On 14th Jan 2016 we visited Muddenahalli which is situated in Chikkaballapur, district and is popular as the place where Sir MV was born.



Prestige Golfshire visit is second site visit after muddnalli visit on 14<sup>th</sup> Jan 2016. Prestige Golfshire is a mixed development from Prestige Group consisting of a golf course and independent mansions which is located at Nandi Hills, Bangalore, India. This development is spread over an area of 275 acres which has independent mansions, golf course & Club, Marriott Hotels & Resorts, convention centre and lake.



On 14<sup>th</sup> Jan 2016, we visited Swananda Ashrama constructed with Hoysala Temple architecture. which is about 2.4 km From Jyothy Institute of Technology.



Fourth day of FDP, first session was on E-surveying software by e-survey technician.



Second session was carried by Mrs. Bindu on Revit software. Revit is building information modelling software for architects, structural engineers, MEP engineers, designers and contractors.



On 15<sup>th</sup> Jan 2016, Mr. Purushotham taught about Hands on practice on drafting of construction drawings using Auto CAD.



On 16<sup>th</sup> Jan 2016 Mr. D. P Narendra gave seminar on modern construction methodologies and project management. Particularly it was about shuttering works.

-Prof. S Kumar  
Extensive survey camp



Survey camp was started on 8<sup>th</sup> march 2016. Sixth semester students were attended the survey camp under the Guidance of all faculties of civil engineering department and it is co-ordinated by Prof. Darshan. As per the curriculum there were four projects to complete namely, new tank project, old tank project, highway project and water supply and sanitary. Students had completed the whole survey camp within 14 days. Drawing and report has to be completed after the survey camp as per the schedule.

-Prof. Darshan G. C



### Farewell



The fare well program to 8<sup>th</sup> semester students was inaugurated by the principal of JIT, Dr Mahendra K V on 17<sup>th</sup> May 2016. The program was organised in main auditorium of JIT with "GO GREEN" theme. The program was composed with speech, games, cultural events and sharing of memorable moments. Lunch was also provided. The program was well organised and completed successfully.

- Vishwas 6<sup>th</sup> Sem student

### Seminar



Dr. R.L Jagadish presented seminar on application of Polymers technology in Civil Engineering. Polymers technology provides huge opportunities for the advancement of materials research, improvement of material property, and the strengthening the structures damaged, recycling wastes.

### Dam visit



On 6<sup>th</sup> April 2016, a technical trip was organised by civil engineering department headed by Prof. S Kumar along with faculties and students. The Kabini Dam is situated 20 km away from Mysore district, Karnataka. The Kabini dam is 2,284 ft (696 m) in length with an original gross storage of 19.52 tmc ft, The dam features are guided by water resource engineers about the working procedure of surge shaft, spillways, turbine assembly, tail race channel, control room, intake gate, generator etc. The visit was successful with practical knowledge of Dams and components and their functions.

-Prof. Nishchay Vishwasena

### Conference

A two days conference named Emerging Trends in Engineering and Technology was organised on 11<sup>th</sup> and 12<sup>th</sup> of March by Jyothy Institute of Technology. ETET is a national level conference organised to enables the participants to present their research papers relating to various technological sectors of civil engineering. Attractive cash prize was awarded for winners.

-Prof. Sreekeshava

### Faculty sports



On 10<sup>th</sup> March, Prof Darshan GC and Madhu PEd participated in Shuttle badminton tournament organised by PES College of engineering, Bangalore.

-Prof. Darshan G. C