Newsletter

DEPARTMENT OF CIVIL ENGINEERING

From **JANUARY 2015** to **December 2015**

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 necessery 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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Bridge designing workshop

The two–day workshop was conducted in the month of February to acquaint the students with the bridge design principles and designing the bridge using software. The students were also trained to analyse, fabricate and maximum load carrying capacity of a bridge model which they had designed.

Outcome of the Workshop:

48 students (9 groups) participated in the work shop

All the groups were successfully fabricated the bridge

The group which designed the most stable bridge was selected for the national level design competition, which is held at Mumbai.

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 enterpreneurs, 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

Student's skill development programme

To enhance the practical knowledge of students in the month of March a skill development programme was conducted at Poorvankara project works Begur in the month of March 2015 for Eighth semester students. The objective of the programme was To provide hands–on experience on civil engineering concepts at field. To improve the communication skills, work ethics. Ability to direct individual accomplishments towards organizational objectives.

Seminar

A seminar on "Technical approach towards energy conservation" was organised in the month of April. The seminar was delivered by Dr. Shashishankar, Jain university, Banglore.

The objective of the program was

Replacement of sand by quarry dust in concrete - Core objective of the project is to find the alternative building material over conventional one.

Evaluation of engineering properties of Geo–polymer concrete - Aim of this project is to conserve the natural resources by incorporate fly ash – concrete as an alternative building material, without the usage of Portland cement.

Development of No aggregate concrete – Aim of this project is to develop an alternative building material by incorporating waste materials like Fly ash, GGBS and silica fume etc., activating the compositions with gypsum and lime.