

# MAARG



**DEPARTMENT OF CIVIL ENGINEERING**  
VIVEKANANDA COLLEGE OF ENGINEERING & TECHNOLOGY, PUTTUR

Volume 6

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## EDITORS TEAM

### Chief Editor

Dr. Sandeep J Nayak

Professor &amp; Head

### Editor

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Assistant Professor

## Sponsored Project

Research Grant of Rs. 40 Lakhs sponsored by Vision Group of Science & Technology (VGST), Govt. of Karnataka sanctioned for the Dept. of Civil Engineering.

Dr. Sowmya N.J, Professor in civil engineering department is the principal investigator for this grant.

## Inauguration of Civil Engineering Students Association (CESA)

The department of civil engineering organized “Inaugural Function of Civil Engineering Students Association (CESA)” on 28<sup>th</sup> of August 2018 at Keshava Sankalpa auditorium. The CESA was inaugurated by Sri Ravikrishna D Kallaje, director, VCET Puttur by lighting the lamp. Mithun Kattemanne, CESA Secretary has welcomed the gathering and Prof. Shishirakrishna presented the overview of the proposed activities for the academic year 2018-19. Chief Guest distributed the prizes for the academic toppers and released department magazine “Sankalpa vol-2” and Unnath Bharath Abhiyan (UBA) banner. The chief guest Sri. kallaje urged the students to take up the competitive examination such as Gate, GRE etc. in addition to participating in academic activities. Dr. M S Govinde Gowda Principal, VCET Puttur presided the function and Mr. Praphul D J student 5<sup>th</sup> sem civil proposed vote of thanks. Hod Dr. Sandeep J Nayak, informed students to utilize department facilities and interact with faculty members.



## A Special Talk on “Latest Advancements in Cement Technology for Sustainable Construction”

## 48<sup>th</sup> ISTE National Annual Convention Paper Accepted

Technical paper on “OBE-BEST TEACHING & LEARNING” practices in engineering colleges. A comprehensive study prepared by Dr. Sandeep J Nayak, HOD Civil, Dr. M.S Govinde Gowda, Principal and Prof. Mahesh Prasanna, HOD Computer Science Engineering was accepted in the 48<sup>th</sup> ISTE National Annual Convention held on 15<sup>th</sup> and 20<sup>th</sup> March 2019 at Visvesvaraya Technological University, Belagavi.

A talk on “Latest Advancements in Cement Technology for Sustainable Construction” has been organized by Civil Engineering Students Association (CESA) for 7<sup>th</sup> sem students on 24/08/2018. The talk was delivered by Er. Ananth Kaushik, Deputy General Manager, JSW Cement, Bangalore. He explained about the advances in concrete technology particularly in high strength concrete, high performance concrete leading to development of M75 and above grade design mix concrete, durable concrete using PPC, flyash, slag and other mineral admixtures. Quiz was conducted for the students on this occasion.



## Vision

To foster the students through quality education, research work and mould them for professional commitment towards needs of the society and build sustainable structures.

## Mission

**M1- Education:** To deliver a quality engineering education through innovative dynamic teaching-learning environment and impart professional experience.

**M2- Research:** To provide a platform for faculty and students for the application of innovative technical knowledge in their field of interest.

**M3-Society:** To inculcate professional skills to cater the society through technical solutions to the real time problems

## TechnoWeek-2018

The department of Civil Engineering with Association of Consulting Civil Engineers(India), Mangalore centre and the Ramco Cements Limited organized “Techno Week-2018” on 26th September-2018 at Sir M Visvesvaraya Hall, Krishnathana, VCET, Puttur. Techno week-2018 were organized in two sessions.

### Session-1

Dr. Sunil B M, Associate Professor, Dept of Civil Engg, NITK, Surathkal gave a presentation on the Topic “Land slide-Predict, Prevent & Protect”. In his presentation the reasons, preventive measures and advanced construction



techniques to prevent land-slides in hilly regions was explained. Dr. Sunil has explained the topic by taking the case study of recently occurred landslide in Kodagu district. He also provided advanced laboratory requirements to continuously monitor the possible movement of slopes in hilly regions.

### Session-2

Er. Arun Prabha K S, CEO, Skycell Towers and Infra-structures(P) Ltd, Mangalore gave a presentation on the Topic “Tenders in Construction”. In his presentation he explained construction bidding process for submitting a proposal (tender) to undertake, or manage the undertaking of a construction project. He also explained about the qualification required to apply for tenders. Tender limits for small scale and large scale projects were also included in his presentation. Students participated in the discussion held with the students

## Swatch VCET

Department of Civil Engineering had organized SWACHAA VCET - 2018, on 25/10/2018. Program was inaugurated by Head of the Civil Engineering Department Dr. Sandeep J Nayak. In this program all the students, teaching and non teaching staff participated. The main objective of this program is to create awareness about cleanliness among the students and staff.



## Faculty Development Program

The department of Civil Engineering organized Faculty development program on “Effective Teaching, Research and Construction Practices in Civil Engineering” for Academic Faculty members and Research scholars from 26<sup>th</sup> to 28<sup>th</sup> July 2018. The main objective of this program was to equip the faculty for better classroom delivery, create awareness in advances in construction, quality control and to give guidelines for effective research. This FDP was designed to improve quality of academics, research and industry needs. This FDP comprises of tech-

nical lectures from invitees from reputed institutes, internal faculty members and field visit. Total 28 participants attended to this FDP. This program gave strong base to participants to update knowledge in teaching, research and construction practices, thus to increase confidence in teaching and other activities.



### Resource Persons

**Dr A U Ravishankar**

Professor, NITK Surathkal

**Dr H Madhava Bhat**

Former Principal

Vivekanand Degree College,  
Puttur

**Prof Shiram Marathe**

Assistant professor

NMAMIT. Nitte

**Dr Srinath Shetty K**

Professor

NMAMIT. Nitte

**Sri Anand Kumar**

Proprietor, Master Plannery,  
Puttur

**Er Nagesh Puttaswamy**

Technical services, Ultratech  
cement Ltd, Bengaluru

## A talk on “Vaastu Shathra in Civil Engineering”

A talk on “Vaastu Shathra in Civil Engineering” has been organized by Civil Engineering Students Association (CESA) on 9/08/2018 for 7<sup>th</sup> sem civil engineering students. The talk delivered by Er. Jaganivasa Rao P G, Temple Vastu Consultant, Koushal Construction Puttur. Final year students have participated actively in the technical talk. Resource person explained about the Vaastu Shathra in construc-

tion activities such as site selection, facing of the building, about Aaya measurements for house, position of doors and windows, position of various utilities like water tanks, septic tanks, well etc. He has also emphasized to adopt Vaastu principles in preparing the house plan. He referred some case studies where the families are prospered and living happily.



## Industrial Visit to Varahi Power Plant

Industrial visit to Varahi Power Plant organised by Civil Engineering Students Association (CESA) for 5<sup>th</sup> sem civil engineering students on 27/09/2018 . 100 students have participated and accompanied 6 faculties. Students learned working principle of turbines, power transmission from the plant, check dam operation, tail race, penstock etc. Way back to the college the students have visited the Malpe beach.





### Three days Symposium on “Application of GIS and RS on Land degradation; Its Socioeconomic and Environmental Consequences”

The department of Civil Engineering in Association of Vision Group of Science and Technology (VGST) Govt of Karnataka, organized 3 days Symposium on “Application of GIS and remote sensing on Land degradation; Its Socioeconomic and Environmental Consequences” from 12th October-2018 to 14th October-2018 at Sir M Visveswaraya Hall, Krishnachethana, VCET, Puttur. The symposium was inaugurated by Dr. Dwarakish Professor, Dept of Applied mechanics, NITK Surathkal. The first day of the symposium was started with the hands on training by Mr. Shivaprasad, Mangalore

university about the software ArcGIS. He demonstrated georeferencing, creating shapefile, generating map etc. In the second day, after the inauguration Dr. Dwarakish, Professor, NITK Surathkal has gave key note address on Effect of land use/ land cover changes. He covered topics like soil erosion, reason, quantification of land use and land cover etc along with its effects.

The second key note was given by Dr Gangadhar Bhat, Prof. Dept of marine geology , Mangalore university, on Remote sensing applications in mapping, he briefed



about types of satellites available, types of data available from satellites, false and true color composite, image processing etc. The third key note was given by Dr Ravi Bhat, Head, department of Agronomy, CPCRI Kasaragod, On Crop pattern and soil conservation intervention. He briefed about factors affects crop pattern, different soil conservation methods.

### Engineers Day 2018

The department of Civil Engineering organized Engineers Day 2018 under the banner of Civil Engineering Students Association (CESA) and ISTE on 15th of September 2018. The program was invoked with a prayer by Maithri of 7th sem and Prof. Rakesh Borker B S, assistant professor, Dept. of Civil, has welcomed the gathering. Dr. Sandeep J Nayak, HOD, Department of Civil Engineering has outlined the biography of Sir. M Visveswaraya and importance of engineer’s day. The program was presided by Sri. K Vishwas Shenoy, Director, VCET Puttur



and he mentioned about the objective of VVS “Give the best by the best”. Dr. K S Babu Narayan, Professor, NITK Surathkal was the chief guest for the day. The chief guest has mentioned Sir M V’s contribu-

tion in the field of engineering for the overall development of country. Further, Mr. Nandaganesha Kudva and Apoorva N of 5th sem students of Civil were felicitated for their achievement in Kannada Sahithya Sammelana held at Puttur on 19th of Septemebr 2018. Mr. Bhavish Manohar Shetty, Ms. Maithri and Ms. Harshitha of Civil have received prizes for elocution on the topic “Role of Civil Engineers in the Nation Building”. Dr. K S Babu Narayan and Prof. G.R Rai former principal of VCET were honored on this occasion for the contribution to civil engineering field.

### Industrial Visit to Indira Canteen Construction Site at Puttur

Industrial visit to Indira Canteen Construction Site at Puttur, organised by Civil Engineering Students Association (CESA) for 3rd sem civil engineering students on 27/09/2018. 90 students have participated and accompanied 5 faculties. Students visited house lifting technique at Melkar, ready mixed plant at Melkar, Abhay marble, Inland Mayura apartment construction site. They understood about precast wall construction, lifting of entire house, concrete mixing plant etc.