



# CIVIL ENGINEERING

DEPARTMENTAL NEWSLETTER Volume 9, DECEMBER 2014

Civil engineering is the application of physical and scientific principles for solving the problems of society, and its history is intricately linked to advances in understanding of physics and mathematics throughout history. Because civil engineering is a wide ranging profession, including several separate specialized sub-disciplines, its history is linked to knowledge of structures, materials science, geography, geology, soils, hydrology, environment, mechanics and other fields.

The Department was established in 2010 with the inception of the college. The Department boasts of a faculty that specializes in the fields of Structure engineering, Geotechnical engineering, Water resources, Transportation engineering, Construction management, GeoInformatics and Environmental engineering. The labs are fully equipped to enhance the knowledge of the student, periodic field trips and visits to various project sites are arranged. Department offer M.Tech. in Structural Engineering and Construction Management with effect from 2014.

**VIMAL JYOTHI**  
**Engineering**  
**College**

Department of civil  
Engineering

## VISION

Shaping  
infrastructure  
development with  
societal focus

## MISSION

Achieve  
International  
Recognition by:

- Developing Professional Civil Engineers
- Offering Continuing Education

## WORKSHOPS

- Dr. Rajeev Sharma conducted a two day workshop on 4<sup>th</sup> and 5<sup>th</sup> November, 2014, on ETABS and STAAD Pro.
- CAD Centre conducted a one day workshop on 28<sup>th</sup> November, 2014, on STAAD PRO.
- Arranged a 3 day hands on 13<sup>th</sup>, 14<sup>th</sup>, and 15<sup>th</sup> November 2014 on training to faculties and staffs on Total station.



## MESSAGE FROM THE HEAD

*Our enrollment continues to climb despite increasingly rigorous admissions standards. As a Department, in recent years we have received more applications for an admission into Civil Engineering. As a result, the student body is a remarkable group of exceptionally bright, ambitious, and hardworking students who are hungry for a top-flight engineering education. Our students find a diverse curriculum that emphasizes both traditional and emerging areas of Civil Engineering, simultaneously developing experimental, communication, and leadership skills. A major strength of our department is a truly outstanding faculty, many in the early stages of their careers, who have become some of the brightest stars in the Civil Engineering discipline. I hope you will take a few moments to peruse this Newsletter for information on academic programs, faculty research, awards and other recognition received by our students and faculty and news.*

**-Biju Mathew**

## From the editorial board

*Greetings from Civil engineering department of VJEC and a warm welcome to the ninth edition of the Departmental newsletter. VJEC –Civil Department aims at developing students to understand the impact of the professional Civil Engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development. Our calendar of events is already well underway with a few events already held, such as Industrial Training, Technical fest etc.*

**Dhanya Raveendran, Bincy Balan (Staff Editor)**

## UNIVERSITY RANK HOLDER...

We feel happy and privileged to announce that Ms. Ashida of our department secured third ranks in the Kannur University B. Tech 2014 Batch examination held during May/June 2014. we wholeheartedly congratulate them and appreciate their efforts to add one more feathers in the cap of VJEC. We wish their successes in all her future endeavor.



## Kingdom Tower

**Kingdom Tower**, previously known as Mile-High Tower, also known as the Jeddah Tower, is a skyscraper currently under construction in Jeddah, Saudi Arabia, at a preliminary cost of SR4.6 billion. It will be the centrepiece and first phase of a SR75 billion proposed development known as Kingdom City that will be located along the Red Sea on the north side of Jeddah. If completed as planned, the tower will reach unprecedented heights, becoming the tallest building in the world, as well as the first structure to reach the one-kilometre-high mark. The tower was initially planned to be 1.6 kilometres (1 mi) high; however, the geology of the area proved unsuitable for a tower of that height. The design, created by American architect Adrian Smith, who also designed Burj Khalifa, incorporates many unique structural and aesthetic features.



## Farewell...

Sometimes, moving on becomes inevitable. Now, it is time to bid adieu to our friends and colleagues, Ms. Anjana.K.V and Jinu.T.P. Goodbyes are indeed uncomfortable. But they are wonderful opportunity to let you know what you are appreciated for. We, HOD and staff of CE department appreciate your service eventhough it was for a short period. We wish each of you the very best in all your future endeavors.



WISH YOU A HAPPY MARRIED LIFE...to  
Thahsin.S (faculty, CE dept.) and Marsooq