

# DEPARTMENT NEWSLETTER, JUNE 2016

## Department of CIVIL ENGINEERING

*Hearty Welcome  
To Our New  
Chairman From  
Civil Department*

**Fr.Dr. Thomas  
Melvettath**



*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. 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, Construction management, Environmental engineering, Geoinformatics. 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

## 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.*

**Prof. Biju Mathew**

## FROM THE EDITORIAL BOARD

*Greetings from Civil engineering department of VJEC and a warm welcome to the eighteenth 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 National conference on "Innovations in Civil Engineering" and upcoming value added programme on STAD PRO.*

***Logi N Baby, Abhijath I P, Nigil M (Staff Editor's)***

# National conference on "INNOVATIONS IN CIVIL ENGINEERING"

**ABOUT VIMAL JYOTHI ENGINEERING COLLEGE**

Vimal Jyothi Engineering College, Chempuri is one of the fast growing, ISO 9001:2008 certified, self financing, minority institution located at the hill valley of Malabar, the northern part of Kerala. The college is an educational Project of Archdiocese of Thalassery and is managed by the Meshar Diocesan Educational Trust, Archbishop's House, Thalassery, 670 101. Vimal Jyothi was established in the year 2002. All India Council for Technical Education has updated its approval status for the current academic year for the following B.Tech Degree Programmes of our Institute. Mechanical Engineering, Electrical and Electronics Engineering, Electronics and Communication Engineering, Computer Science and Engineering, Applied Electronics and Instrumentation Engineering and Civil Engineering are the courses offered at VJEC. Apart from B. Tech. programmes, each department is also running M. Tech. programmes in various specializations.

**ABOUT THE CONFERENCE**

National conference on "Innovations in Civil Engineering" provides a national platform for graduate students, post-graduate students, industry professionals, research scholars etc. to deliberate, explore and contribute their research findings and to discuss the latest developments in the field of Civil Engineering.

Selected papers will be published in reputed journals.

**NATIONAL CONFERENCE ON INNOVATIONS in Civil Engineering**

**22<sup>nd</sup> APRIL 2016**

**CALL FOR PAPERS**

Authors are invited to submit their original and unpublished research articles in the following areas, but not limited to Environmental Engineering; Transportation Engineering; Water Resources Engineering; Structural Engineering; Geotechnical Engineering; Construction Technology, Concrete Technology, Remote Sensing and GIS

**CONVENERS**

DR. P. V. NIDHEESH  
HANZEL H FERNANDEZ

**ABOUT CIVIL ENGINEERING DEPARTMENT**

The Civil Engineering department was established in the year 2010. Department offers Undergraduate (B.Tech) programme in Civil Engineering. AICTE, approved the course. The department has been imparting quality education to meet the technological advancement and industrial requirements. This has been made possible due to qualified and dedicated faculty, state of the art laboratories and infrastructure facilities. The department is also running a M. Tech. programme on Structural Engineering and Construction Management.

**REGISTRATION**

Application for the participation in the conference shall be sent to the coordinator as given in the attached format along with the fee by DD of worth Rs. 250/- drawn in favor of "Vimal Jyothi Engg. College, Chempuri" payable at Kannur. The registration fee includes conference kit, hard copy of proceedings, lunch and refreshments etc.

**CO-CONVENERS**

LINJESH SEBASTIAN  
ANOOP P. P.

**HOW TO REACH VJEC?**

VJEC is located at Chempuri about 45 kms from the Kannur and 30 kms from Thaliparamba. One can avail bus from Kannur and Thaliparamba.

**IMPORTANT DATES**

Submission of abstract	30 <sup>th</sup> March 2016
Intimation of abstract acceptance	1 <sup>st</sup> April 2016
Submission of full paper	11 <sup>th</sup> April 2016
Intimation of full paper acceptance	15 <sup>th</sup> April 2016
Registration	15 <sup>th</sup> April 2016

**ORGANISED BY**

DEPARTMENT OF CIVIL ENGINEERING  
VIMAL JYOTHI ENGINEERING COLLEGE  
CHEMPURI, KANNUR, KERALA, INDIA



## UPCOMING EVENTS

- Value Added program on stad pro.
- Technical training seminar on "UPGRADE TO UPDATE" A Joint initiative of Metrolla steels Ltd and Indian Concrete Institute (ICI).

## GREEN BUILDING

The picture depicts the corporate office of Joseph K Chittilappally at Kochi. The building, comprising of 13 storeys and an area of 1.2 lakh sq ft in a 2 acre plot, was the realization of his dream. The view of the building is a picturesque in its own self. Dr.Chittilappally quoted" when we thought of building a Corporate office, I wanted it to be 'green' and eco-friendly. I, for one, do not believe that 'development' is all about creating concrete jungles. I pressed with my architect that each storey of the building should have a verandah on every side, lined with plants".

The building utilizes energy efficient practices, use less water, generate minimum waste and reduce pollution. More importantly, it contribute to the health and well-being of people. The air conditioning in the building was restricted to less than 4% of the built up area of the building, leading to lesser power consumption. Each floor is surrounded by a two metre wide verandah lined with plants. These flower beds prevent the sunlight from hitting the walls directly. A roof top garden, with a lawn, serves as a dining and recreational space. Over the last two years, over 5300 plants were planted. Lawns extend to more than 2,700 Sq. ft. The plants are all irrigated by drip irrigation. Consequently, the heat is not felt even in hot summer. And it's a treat to watch the plants in full bloom. There is a minimal requirement of artificial lights during the day. The building wall covers only about two feet at the top and bottom, the windows occupy the rest of the area, welcoming adequate light and air, inside. The building does not need to depend on the Corporation for water. A rainwater tank harvests about 3.3 Lakh liters of water. The building depends on this tank and a well for irrigation and drinking purposes. Even the tiles used to pave the walkways, have pores in them, to ensure that rainwater percolates into the ground. This is more than adequate to meet the needs of 13 quest rooms which can house 40 quests at a time. It was no surprise that the building won the 'Gold Leaf' award for 2009-10 instituted by the Indian Institute of Architects, Kerala Chapter.



# ACCOLADES FOR THE ACHIEVEMENT

Special congratulation to

**Ms. Sigi Thomas , Dr. Nidheesh P.V** and team  
for Kerala Govt Certification for the Environmental lab.



**Dr. NIDHEESH P V**



**Mrs. SIGI THOMAS**

## NEW FACES



**Dr. N. Nalanth**  
Professor  
M E in Structural engineering  
PH D in Civil Engineering



**Mr. Akhil P A**  
Assistant professor  
M Tech in Structural  
Engineering



**Mr. Logi N Baby**  
Assistant professor  
M Tech in Coastal  
Management



**Mr. Nigil M**  
Assistant professor  
M Tech in Transportation  
Engineering



**Ms. Nimisha P**

**Assistant Professor**  
**M Tech in Structural engg.**  
**& Constr. Management**



**Mr. Saneesh K**

**Assistant Professor**  
**M Tech in Env. Geotech**



**Ms. Anuragi P**

**Assistant Professor**  
**M Tech in Structural engg.**  
**& Constr. Management**



**Ms. Amrutha Mathew**

**Assistant Professor**  
**M Tech in Geotechnical Engineering**



**Mr. Abhijath I P**

**Assistant Professor**  
**M Tech in Remote sensing and GIS**