



# NEWSLETTER



## SILVER JUBILEE WISHES

**"I will sacrifice a thank offering to you  
and call on the name of the LORD."**

Psalm 116 : 17

Fr. Dr. Thomas Melvettath, is the third chairman of Vimal Jyothi Engineering College (VJEC) and Vimal Jyothi Institution of Management & Research (VJIM). He is a source of unwavering support and inspiration. We extend our warm wishes to our beloved chairman on the occasion of celebrating the Silver Jubilee of his Ordinance to Priesthood. May the good God who has called him to his service continue to shower his blessings and glory upon him.

## From the HOD's Desk

As the current academic year is coming to an end, I would like to extend my appreciation to all the faculty and students who have contributed to the department and to ones own individual growth. It is because of the hard work and dedication of all the teaching and non-teaching staff of CSE that our B.Tech program in CSE is provisionally accredited by NBA for the next three years. The end semester KTU university exams are going on and I wish all my students success in all their exams. Let's hold our hands together to build a bright future by moulding vibrant and young engineers. With the Christmas and New Year celebration in the air, I wish all the faculty and students a **"Merry Xmas and Happy New Year"**.

## NBA ACCREDITATION

Our B.Tech program of CSE was provisionally accredited by NBA in the month of November 2017. On behalf of our department, Dr. Manoj V Thomas, Associate Professor & HoD of CSE, along with the faculty, received a token of appreciation from the management. It was an honour and blessing to have received the gift from Mar. Dr. Joseph Pamplany, Auxiliary Bishop of Archdiocese of Tellicherry on 23/11/2017 at Vallopalli Hall, VJEC.



## VIMAL JYOTHI ENGINEERING COLLEGE

**Bimonthly Newsletter  
December 2017**

### VISION

To contribute to the society through excellence in scientific and knowledge based education utilising the potential of computer science and engineering with a deep passion for wisdom, culture and values.

### MISSION

- To promote all-around growth of an individual by creating futuristic environment that foster critical thinking, dynamism and innovation to transform them into globally competitive professionals.
- To undertake collaborative projects which offers opportunities for long-term interaction with academia and industry.
- To develop human potential to its fullest extent so that intellectual capable and optimistic leaders can emerge in a range of professions.





**FACULTY ACHIEVEMENTS**  
 “RESEARCH IS CREATING NEW KNOWLEDGE”



Mr. Manoj V Thomas, Associate Professor & HoD of CSE Department successfully defended his Ph.D thesis at NITK, Surathkal on 29/11/2017. Congratulations to Dr. Manoj V Thomas for completing his Ph.D in “Identity and Access management in Cloud Federation.”

**STUDENT ACHIEVEMENTS**

The project titled ‘YATRA’ of S5 CSE students (Midhlaj Al Waseem, Nivedh, Rahul & Akhil Mathew) was shortlisted for “**IDEA DAY**” conducted at St. Joseph’s Engineering College, Pala. The students presented the concept at the program.

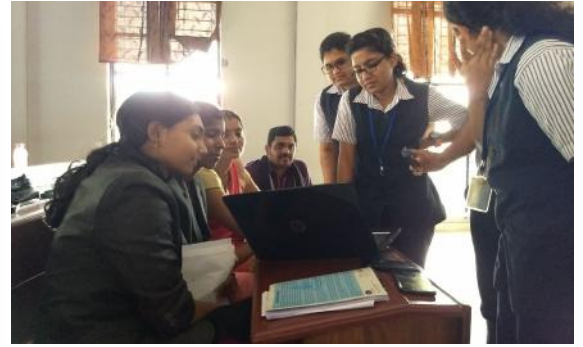
**MoU - INFOSYS CAMPUS CONNECT**

Infosys Campus Connect is an industry - academia partnership initiative launched by Infosys. It helps its partner colleges to groom industry ready engineers. Our department renewed the MoU with Infosys Campus Connect for the coming two years.

**B.TECH MINOR & HONORS**

The KTU university students can now have the privilege to get honours for B.Tech degree as the program is NBA accredited. The pre-requisite for the program would be a minimum of 8.0 CGPA for each semester. Some of our students are identified as qualified for this program.

The B.Tech Minor in “Big Data Analytics” proposal have been sent to KTU for approval. By this program, the students can take minor degree in some courses along with the B.Tech degree.



**B.TECH PROJECT PRESENTATION**  
 “Everything Begins with an IDEA”

Our S7 CSE students have come up with innovative projects to see and think what nobody has thought and pursued. Some of the project ideas like PUNYA, JAN OUSHADI etc. have been sent to “**INNOVATE 2018 OF KSCSTE**”. The students are availing guidance from faculty to complete the projects successfully.



**SPELLING BEE COMPETITION 2017**

Dr. Manoj V Thomas, Associate Professor & HoD of CSE department was the chief judge for the North Malabar Spelling Bee Competition 2017 conducted at VJEC on 21/11/17. The winners of the competition received attractive cash prizes.



**VJRADIO APP**

Mr. Jilson P Jose, AP of CSE, developed an Android App for VJRadio launched at VJEC. Everyone can listen to the radio through VJRadio App during the broadcasting.





## WORKSHOPS CONDUCTED



A three days workshop on “PC Hardware and Networking” was conducted from 19/10/17 to 21/10/17 by Mr. Linoop, M.Tech Scholar. It was co-ordinated by Mr. Akhil Paulose, AP in CSE for all the students in CSE department.

A two days workshop on “Hands on workshop on Embedded Systems with Real-time application development” was conducted from 18/10/17 to 19/10/17 by Mr. Santhosh Mathew (Head - R&D, Torp Systems Pvt. Ltd., Chennai) and Mr. Sreeraj S. V. (Mentor and Program Convener, PEF, Chennai). It was co-ordinated by Ms. Ancy K Sunny, AP in CSE for S5 CSE.



A three days workshop on “Web Development” was conducted from 12/10/17 to 14/10/17 by Mr. Arun O.V. S7, CSE and Ms. Nousharna M.V. S7, CSE. It was co-ordinated by Mr. Akhil Paulose, AP in CSE for all the students in CSE department.



A Seminar was conducted for S1 CSE on “Sustainability and Technology” and the resource person was Prof. Shibu Krishan from CET.

## CRISIS MANAGEMENT CELL

A crisis management cell was formed at the institution level for understanding the students grievances and concerns. It provides a platform for open discussions and decision making. The parents of students from CSE department are active members of the crisis management PTA.

## FUNDING PROPOSALS SENT

- **RPS** proposal titled “Optimization in M-learning with Heuristic Analysis” to AICTE for funding.
- **MODROBS** for Apple iOS Lab to AICTE for funding.
- Project funding proposal submitted at “**IDEA DAY**” presentation at Pala.

## MEETINGS ORGANIZED

- Third & Fourth RA Meeting conducted for S1, S3, S5 & S7 CSE.
- Meeting to finalise the Internal Marks of KTU Students.

## COLLEGE ELECTION

Chairman and Vice Chairman of the Students Council were elected on 17/11/17 at Bishop Varikattu Hall. Dr. Manoj V Thomas was the Presiding Officer for the Election.



## POs and PSOs of Department

### Engineering Graduates will be able to:

**Engineering Knowledge:** Apply the knowledge of mathematics, science, engineering Fundamentals, and an engineering specialisation to the solution of complex engineering problems.

**Problem Analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

**Design/ Development of Solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

**Conduct Investigations of Complex Problems:** Use research - based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

**Modern Tool Usage:** Create, select, and apply appropriate techniques, re-sources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

**The Engineer and Society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

**Environment and Sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

**Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

**Individual and Team Work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

**Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write e effective reports and design documentation, make effective presentations, and give and receive clear instructions.

**Project Management and Finance:** Demonstrate knowledge and understand- ing of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

**Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

### PROGRAM SPECIFIC OUTCOMES (PSOs)

An ability to apply development principles to analyze and design complex soft- ware and systems containing hardware and software components of varying complexity.

An ability to apply mathematical foundations, algorithmic principles, and computer science theory in the modeling and design of computer-based systems in a way that demonstrates comprehension of the trade's involved in design choices.

### EDITORIAL BOARD

**Staff Editor :** Ms. Derroll David, AP in CSE

**Proof Reading:** Mr. Jilson P Jose, AP in CSE

**Student Editors:** Ms. Aparna (S7 CSE), Mr. Vishnu & Ms. Sincy (S5 CSE), Mr. Arjun Govindan & Ms. Varada (S3 CSE)

