ESPERANZA

NEWSLETTER

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

From the HOD's Desk

The Department of CSE has been taking keen interest in preparing the students industry-ready with the right mix of academics and other value added programs. It is heartening to note that a considerable number of our final year students, acquired jobs in leading MNCs in the field of IT and ITES this year. With an end to the current semester, I would like to extend my gratitude to all the faculty and students who have contributed to the department and to one's own individual growth. It is evident that the commitment and smart work of all the teaching and non-teaching staff of CSE paved the way for the progress and growth of the department. The end semester KTU university exams are going on and I wish all my students success in all their exams. With the Christmas and New Year celebration in the air, I wish all the faculty and students a **"Merry Xmas and Happy New Year ! "**.

ETHNIC DAY

Our B.Tech and M.Tech program of VJEC had a one day Ethnic Day at college campus to showcase our cultural values, tradition and to build the unity among all. The program was conducted on 29 November 2018 hosted by our student union and co-ordinated by Dr. Manoj V Thomas (HoD CSE). Several games like lemon and spoon race, water balloon passing etc. were conducted. The students were excited and enjoyed this day to the maximum.

VIMAL JYOTHI ENGINEERING COLLEGE

Bimonthly Newsletter December 2018

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.

ALUMNI INTERACTIONS

Mr. Akshay P. G. (2013-2017 passout) working in SysTools Software Pvt. Ltd. provided an inspiring talk for the students of S7 CSE on 28/11/2018 about the working culture, misconceptions in the IT sector and guidelines for a brighter future.

FACULTY ACHIEVEMENTS

Dr. Manoj V Thomas, Professor & HoD of Computer Science and Engineering Department attended the International Conference on Multidisciplinary Research at Asian Institute of Technology, Bangkok from 23 November 18 to 24 November 18.

FACULTY PUBLICATIONS

Ms. Vidhya S S, AP of Computer Science and Engineering Department have published "Investigation of Next Generation Internet Protocol Mobility-Assisted Solutions for Low Power and Lossy Networks" paper in Procedia Computer Science, an Elsevier Publishers.

KTU INTERNAL & EXTERNAL AUDIT

The CSE Department had a KTU External Audit for scrutinising the quality of academic for KTU courses. The internal audit was also conducted prior to this. The audit gave the faculty the insight on the various documentation and file to be maintained at the department as part of the KTU Academics. It was held on 21/11/2018 at VJEC Computer Science & Engineering, Staff room.

CAMPUS PLACEMENT

CMS IT SERVICES

Mr. Harikrishnan, Mr. Akhil Paul, Mr. Sarath C, Mr. Jeswin, Mr. Vishnu, Mr. Alan, Mr. Nameer C K, Mr. Avinash Ghosh, Mr. Nivedh of S7 CSE got placed in CMS IT Services, Ernakulam.

INFINIZ IT SOLUTIONS

Ms. Fathima Sherin, Ms. Anusha Jiji, Ms. Swetha R K, Ms. Gopika Rajeev, Ms. Karthika Rajan, Mr. Jeswin Jaison, Ms. Abhina Anilkumar and Mr. Akshay Sajith of S7 CSE got placed in Infiniz IT Solutions, Ernakulam.

FUNDING PROPOSALS SUBMITTED

- Dr. Manoj V Thomas, Ms. Derroll David and Ms. Akhila Mathew applied for funding of AICTE - AQIS **STTP** for "Blockchain Technology and its Applications"(5 Lacs).
- Dr. Manoj V Thomas, Ms. Ancy K Sunny and Ms. Anisha Joseph applied for funding of AICTE - AQIS **Refresher Program** for "Algorithm Design and Complexity Analysis" (3 Lacs).
- **MODROBS** for IoT Laboratory to AICTE for funding.

STUDENT ACHIEVEMENTS

ACADEMICS

- Mr. Arjun, Mr. Abhinav, Mr. Amal. Mr. Ajay & Ms. Varada of S5 CSE is selected to test RoboRave by N2cafe.
- Ms. Merin John, Ms. Nithya Joshy, Ms. Varna & Ms. Juhi Krishna S5 CSE has been recommended for Adobe India WIT scholarship.
- Ms. Varada and Ms. Niveditha S5 CSE have attended ACM Grace Hopper Event (GHCI 2018) held at Bangalore International Exhibition Centre from Nov 14-16 2018.
- Ms. Aishwarya M and Ms. Anila Sebastian from S3 CSE certified by NPTEL for the course STLD. Ms Varada from S5 CSE got certified by NPTEL for the course "Introduction to IOT"
- Mr. Vishnu Pradeep, Mr. Eby and Mr. Emmanuel Abraham of S7 CSE participated in the Boot camp Idea Pitching Event at NIT Calicut on 20/11/18.

SPORTS

The S3 CSE student Shreya Nambiar secured first position in Kerala Technological University (KTU) F zone intercollegiate Badminton championship. Our boys team (with CSE students) become the runners up of F Zone Basketball tournament.

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

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