NEWSLETTER

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Onam Celebration 2017

"The Greatness of a Culture can be found in its Festivals"

Onam Celebration 2017 was celebrated with full enthusiasm on 31st August 2017 . Mr. Manoj V Thomas (Associate Professor & HOD of CSE) was the co-ordinator of the celebration. The management authorities delivered the message of Onam. Traditional events of Onam such as Tug of War, Pookalam competition and various games etc. added life to the program. The venue was colourful with everyone wearing ethnic dresses. Maveli blessed everyone by making his appearance. At the closure of the day, students started for their Onam Vacations.

IEEE Workshop

1 — IOS WORKSHOP

Apple's IDE (Integrated Development Environment) for both Mac and iOS apps is Xcode. Swift programming language is used.

2 — ANDROID WORKSHOP

Android studio is used for Android App Development. Java programming awareness was also provided

3 — WEB DEVELOPMENT

HTML, PHP, CSS and Javascript etc. was included in the course. Various websites use different designing tools.

VIMAL JYOTHI ENGINEERING COLLEGE

Bimonthly Newsletter October 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.

Two days workshop on three emerging technologies namely iOS App Development, Android App Development and Web Designing from 23rd to 24th September 2017 under the banner of IEEE-CS. The students from various colleges across Kerala actively participated in the workshop and developed few App's. Experts from industry handled the various sessions.

KTU External Audit

The CSE Department had a KTU External Audit for scrutinising the quality of academic for KTU courses. 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 4/10/2017 at VJEC Board room.

PTA Meeting

General PTA Meeting was conducted for S1, S3 and S5 KTU University students on 20/9/2017, 26/9/2017 and 28/9/2017 respectively. The PTA meeting for S7 Kannur University students was held on 25/9/2017. The progress card for each student was distributed on these days. The various concerns and the action plan for those are finalised.

Project Proposal(Upcoming)

Project name titled "Explorative Analysis in M-Learning and E-Learning systems using optimization techniques" got permanent ID under the funded project proposals.

STUDENT SKILL DEVELOPMENT PROGRAMS

BEC and Soft Skill Training

Department of CSE trained the students for BEC and Soft skill training and as a result the students qualifies in the exams with excellent scores.

GATE Coaching 2018

GATE coaching have started in our department and there are active participation from the side of students. No extra fees are charged for these coaching.

Placement Training

S7 CSE students are provided placement training from 4th to 7th September 2017. The classes include group discussion, mock interviews etc.

Student Corner

Augmented Reality
"Interactive worlds you can hold in the palm of your hand."

Augmented reality blurs the line between what's real and what's computer-generated by enhancing what we see, hear, feel and smell. On the spectrum between virtual reality, which creates immersive, computer-generated environments, and the real world, augmented reality is closer to the real world. Augmented reality adds graphics, sounds, haptic feedback and smell to the natural world as it exists. Both video games and cell phones are driving the development of augmented reality. Everyone from tourists, to soldiers, to someone looking for the closest subway stop can now benefit from the ability to place computer-generated graphics in their field of vision. Augmented reality is changing the way we view the world -- or at least the way its users see the world. Picture yourself walking or driving down the street. With augmented-reality displays, which will eventually look much like a normal pair of glasses, informative graphics will appear in your field of view, and audio will coincide with whatever you see. These enhancements will be refreshed continually to reflect the movements of your head. Similar devices and applications already exist, particularly on devices like Microsoft hololens and operating systems like windows 10 now support augmented reality. Xbox one X and ps4 pro are also in their way to this promising technology soon enough we will live in a future where the virtual and real world coexist.

Aadarsh Unni Wilson
S3 CSE

Election for S7 Class Representative

The class representative for S7 CSE was elected through voting in the presence of Class Tutors and Mr. Manoj V Thomas (Assoc. Prof. & HOD of CSE). Ms. Sneha George was elected as the new Girl representative & Mr. Livin Dev shall continue to be the Boys representative.

Software Development Cell

An Software Development Cell run by the students and motivated by the faculty, started functioning recently at CSE department. The cell comprises of enthusiastic students of CSE who are willing to carry out consultancy projects from within and outside the college. As a humble beginning, we completed the task of designing and developing a website for a home stay/ resort in Wayanad district. Formal inauguration of the cell is in the offing.

Meetings Organised

Student Counselling Meetings are organised at the department level with the class representative of B.Tech, M.Tech students & HOD to know their issues and concerns in academics and non-academics. **RA Meetings** are conducted with the HOD and faculty handling the subjects in a specific class to discuss the result analysis after each series examination.

FACULTY ACHIEVEMENTS

Mr. Jilson P Jose, Asst. Professor in the department attended three days Train the Trainer Program on Android App Development at St. Aloysius College - Mangalore. It was conducted by Infosys as part of their Campus Connect Program. It was from 25th to 27th Sept 2017. He has attained A+ grade in the program.

INDUSTRIAL VISIT OF S3 CSE

"The only source of knowledge is experience"

The S3 CSE (2016-2020) students visited three Industry namely mPower Global Inc., Bsoft Education Pvt. Ltd. and JVS Electronics at Bangalore as part of achieving the learning outcomes. The Industrial visit was from 10/9/2017 to 12/9/2017. The students actively participated in the classes and are looking forward for innovations beyond the academics.

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.

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