NEWS LETTER

A new vision to our department...

     As the saying goes, "A GOOD TEACHER IS LIKE A CANDLE; IT CONSUMES ITSELF TO ENLIGHT OTHERS", it is the duty of each teacher to get updated in time to impart the real light of knowledge to his/her students. Each teacher should be the real guide of any student to show the right way of success to his students. He is back to our department with one more golden feather on his crown.

     He is not a new person for VJEC. His painstaking effort for more than 7 years in the upliftment of CSE department of VJEC has no words to describe. He is a gold medalist in M.Tech Computer Science and Engineering from NIT, Surathkal in the year 2008. He is a product of RIT, Kottayam from where he got graduated with B-Tech CSE degree in the year 2003. Now He is about to finish his Ph.D from the prestigious NIT Surathkal in the area of cloud computing. He has More than 12 years of Teaching experience . He got many book chapters and peer reviewed journal and conference publications in his credit .

     Yes, with full respect, the entire CSE department welcomes Mr. Manoj V Thomas ,as the HoD to our department.

Vjec hearts beat together for BEATZ 2K16

     1ST January, The early dawn Of NEW YEAR was praised with bright sun and the hearts of VJEC Students beated with same rhythm. it was their ANNUAL SPORTS MEET!! All the student athletes got a day, to explore their skills. With great enthusiasm, students displayed their skills in all the events. The events were all organized as competition among the four groups-YELLOW RED BLUE AND WHITE-which added more enthusiasm. Besides many individual winners and overall champions, the day ended with the Yellow house winning the overall championship. It was then followed by the most awaited festive day. They named it as "Beatzz 2K16".The Arts day, on 4th January came out with vibrant colours. The presence of the Idea Star

VISION

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

MISSION

To promote all-round growth of an individual by creating futuristic environment that fosters critical thinking, dynamism and innovation to transform them into globally competitive professionals.

To undertake collaborative projects which offer opportunities for long-term interaction with academia and industry.

To develop human potential to its fullest extent so that intellectually capable and optimistic leaders can emerge in a range of professions.

What is Inside ??

Way to 'GATE'

As a way to make the future engineers aware about the relevance of GATE SCORE,VJEC PLACEMENT CELL has arranged a one hour orientation class for BTECH students on 28th Jan. Selected students from each branch, mainly, pre-final years and their juniors attended the class with great enthusiasm.

The class was handled by a faculty from ARC ACADEMY, a GATE coaching center, CALICUT. He ,who himself is an IITian, is the prominent person to talk about GATE. The dignitary motivated the students to work hard for cracking GATE EXAMINATION ,reassuring the benefits that one will attain after achieving a good GATE SCORES. Many public sector undertakings such as BHEL, Indian Oil Corporation, NTPC, Bhabha Atomic Research Centre (there are PSUs totaling 217 in number) are using the GATE score for selecting candidates for their organizations. Students who qualify in GATE are entitled to a stipend of Rs 7200 per month during their M.Tech course. Better remuneration is being offered for students of M.Tech/M.E as compared to those pursuing B.Tech /B.E. After joining M.Tech. at IITs and IISc, one can look at a salary package ranging from Rs 7 lakh to 30 lakh per annum, depending upon specialization and performance.

The students gathered there had a misconception that GATE exam is meant for ME./M.Tech which finally leads to a teaching career only ,which was cleared during the session. In the present competitive scenario, where there is mushrooming of universities and engineering colleges, the only yardstick to measure and test the caliber of engineering students is the GATE. He added that the IIT/NIT postgraduates have their level of self respect besides the social status they receive from the society. Also, having a high gate score is a way to distinguish ourselves ,among the thousands of job seeking engineers, in front of prestigious companies.

The class was winded up by the faculty by emphasizing the need to start GATE preparation an year before attending the same. This was a wake up call for the pre-final years of VJEC. For them, this is the right time to work hard ,to face the competition and succeed as an Engineer, by qualifying GATE.

ENTREPRENEUR ALUMNI AND STUDENT INTERACTION

Entrepreneurship is the process of designing, launching and running a new business, i.e. a startup company offering a product, process or service. The entrepreneur is a person who organizes and manages any enterprise, especially a business, usually with considerable initiative and risk. Entrepreneurship is the best profession that can be opted for individuals with independent thoughts and ideas.
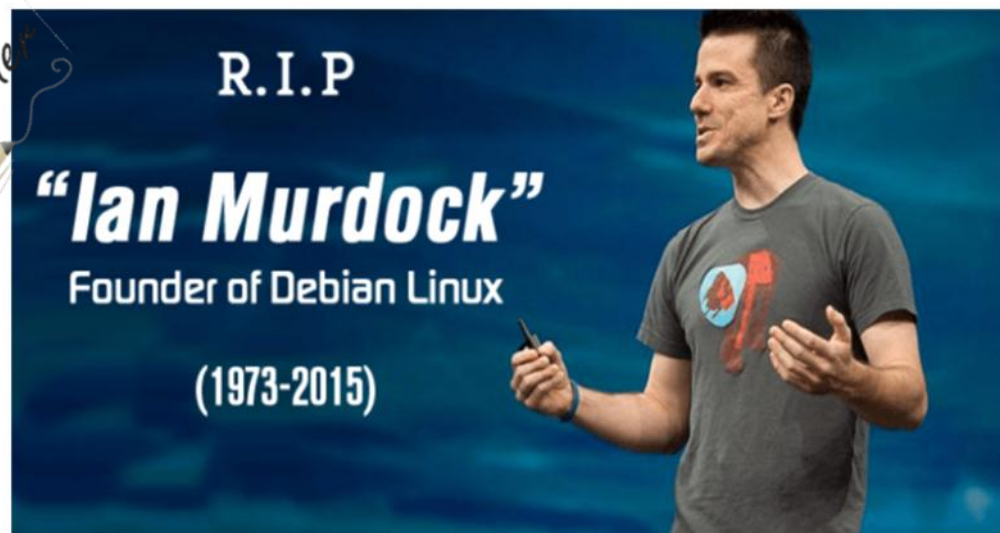
To promote entrepreneurship two of our alumni Mr. Jackson and Mr.sandeep handled a class titled 'Entrepreneurship alumni and student interaction' on 11th January 2016, organised by entrepreneur development cell. They run their own company in Cochin. It was a class specially arranged for final and pre-final years. Both of the alumni were so influence in their talk to turn our mind towards entrepreneurship. College administrator Fr Jinu Vadake Mulanjanal, chairman Ft. Geo Pullikkal, PRO Mr. Sebastian ,CSE head Mr.Manoj .V. Thomas, assistance professor of CSE Ms. Divya Bharatan were also present at the session and gave out their presidential address. The session started right away by 11am.

Mr. Jackson shared his views on the advantage of entrepreneurship and the starting up of our own business. A laptop, internet access and investment-these were the three main things he said for building up a company. Admist this a unique idea is the core of entrepreneurship. They promoted the students to rise from a subordinate position to entrepreneur of a company. Mr.Sandeep took classes about game development. Unity, corona sdk, udk were some of the examples of game development apps that he talked about. He insisted us to start developing simple games. Both of the alumni were so much energetic throughout the entire session. After the class the students had their interactive session with the alumni. They also encouraged the average students, inspired that they can also come up with a bright future and wished a success.

R.I.P
"Ian Murdock"
Founder of Debian Linux
(1973-2015)

December 28 2015 made the Tech world sad with the unexpected news of the suicide of Mr. Ian Murdock , Founder of Debian Operating system. Murdock created Debian in August 1993 he is the "ian" in the project's name. In a biography on his personal website he talked up the project's accomplishments. "With its integrated software repositories anyone could contribute to, Debian arguably had the industry's first (albeit primitive) 'App Store,'" Ian was perhaps best known professionally as the founder of the Debian project, which he created while still a student at Purdue University, where he earned his bachelor's degree in computer science in 1996.

Debian was one of the first Linux distros to be forged, and it is widely regarded as a one of the most successful open-source projects ever launched. Ian helped pioneer the notion of a truly open project and community, embracing open design and open contribution; in fact the formative document of the open source movement itself (the Open Source Definition) was originally a Debian position statement. It is a testament to Ian's commitment to openness and community that there are now more than 1,000 people currently involved in Debian development. In the past decade, Ian's contributions to the tech community continued, as CTO of the Linux Foundation, as a senior leader at Sun Microsystems (including serving as Chief architect of Project Indiana); and most recently as Vice President of Platforms at Indianapolis-based Exact Target, which became part of Salesforce in 2012.

New Beginning - KTU Second Semester

The era of technology-the title that we give to this 21st century. New innovations and inventions blooms and nourishes the life of humans, paving way to the standardization of living. Carving of the human brains brings new meanings and hues to human life's. Upliftment of backward countries progressed because of technology and development. This reflects the reason for the creation of people with a mindset of technical advancement.

The year 2015 hosted the emergence of Kerala Technical University (KTU). All engineering colleges in Kerala is now under KTU. This enlightens the study of engineering by technical applications.

Separation of the adjoin semesters of s1 and s2 began by the appearance of KTU. The first semester exams were conducted in the first week of January 2016 and ended on 12th of January.

One of the main event that took place at VJEC

PEOs of Department

I. Graduates will achieve broad and in-depth knowledge of Computer Science and Engineering relating to industrial practices and research to analyze the practical problems and think creatively to generate innovative solutions using appropriate technologies.

II. Graduates will make valid judgment, synthesize information from a range of sources and communicate them in sound ways appropriate to their discipline.

III. Graduates will sustain intellectual curiosity and pursue lifelong learning not only in areas that are relevant to Computer Science, but also that are important to society.

IV. Graduates will adapt to different roles and demonstrate leaderships in global working environment by respecting diversity, professionalism and ethical practices.

in the month of January was the welcoming of students of s2.The first batch of KTU had completed their first semester. The huddle that they passed wasn't that simple as the syllabus was vast and complicated. Now, as the students reached s2,the criterion of the new university might have become familiar to them. The syllabus of s2 include physics, mechanics, design engineering, civil engineering and electronics. Students will have to deal with the laboratories of physics, electronics and civil engineering.

Entrepreneurship is the upcoming and becoming the most up taking profession of youth. People, now-a-days tend to be independent. It is the thoughts and norms of individuals that pave way for this. KTU is more or less providing training for individualism and sweeping out the outdated technologies.

This can be also viewed as their mission and vision. All teachers and staffs of VJEC are also working hard and putting the maximum effort for this achievement to set to reality.

Singer fame Mr. ROSHAN, as the chief guest made the day more memorable.

The guest of honor captured the ears and hearts of young minds with several hits. After the official inauguration, various stages echoed with audience response to fabulous performance of VJEC Stars. The cultural events like Oppana, Thiruvathira, mime, western dance had more number of participation. Students put their maximum effort in both off-stage and on-stage events. The selfie contest conducted as a part of Beatz gained popularity among everyone. The remarkable success of Beatz was indeed the fruit of sleepless nights spent by students in charge…The day ended with lots of happiness and heartful of memories in the minds of young VJEC!

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POs and PSOs of Department

Engineering Graduates will be able to:

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

2. **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.

3. **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.

4. **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.

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

6. **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.

7. **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.

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

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

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

11. **Project Management and Finance**: Demonstrate knowledge and understanding 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.

12. **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.-A4

PROGRAM SPECIFIC OUTCOMES (PSOs)

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

2. 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-offs involved in design choices.