

NEWS LETTER

Volume 4

Issue 3



From HOD's Desk...

Dear Faculty, Staff and Students,

In the beginning of this new academic year, I feel excited to be with the staff and students of CSE Department, after a rejuvenating vacation. Let me note that the Department is all prepared to meet the new academic year with vigour, creativity and passion. This year, we are planning to have lots of avenues for the students to hone their technical skills, and showcase their talents.



We will have many more workshops and training programs in the latest technologies and tools of Computer Science, which will make the students confident to meet the real world challenges. Also, we are planning to conduct numerous programs in this academic year, in order to develop the all round personality of our students to make them academically brilliant, technically competent and industry-ready computer science professionals.

Dear students, I am sure that the various academic activities in the Department being enabled by our dedicated and committed staff will keep you inspired and motivated to do whatever you need to achieve professional excellence. I am also looking forward to meeting our new batch of students who will be beginning a spell of four years with us. I am sure they will feel proud and confident at the end of four years spending here. Let's all work hard to achieve our real goal of moulding world-class computer science professionals who contribute to the development of the society and the nation.

Best wishes for a happy and fruitful academic year!

Manoj V. Thomas
B.Tech, M.Tech, (Ph.D)
Associate Professor and H.O.D

Network Engineers...

Networking Concepts a one of the most important concepts that should be acquired by each computer science student. In order to full fill the curriculum gap in the IP network theory and the practical networking practices, Department of CSE Organized a two-day workshop on Network Implementation and troubleshooting on 7th and 8th of April 2016. The Venue for the same is the New Advanced Computing and Research Lab of CSE Department. The Classes were handled by two hi profile experts from network industry, Mr. Najju Badrudien and Mr. Shuhail . Both are working In behalf of Di-sign Networks Kollam. The topics covered by two-day hands on workshop

VIMAL JYOTHI
Engineering College

Department of
Computer science
and Engineering

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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.

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includes Basic Issues in Network Design, tools used in Network design, IP Subletting, Interconnecting Networks, Routing Prelims, Familiarizing with the famous Network Emulator tool Packet Tracer. Students got an in-depth idea about the network design and Troubleshooting. The Idea about the networking practices and Industry standards gave a new light to the career concepts of the budding computer science



Infosys Soft skill Training

Infosys soft skill training was a 5 day program conducted by the college management on behalf of Infosys at the auditorium of Vimal Jyothi College of Engineering. The program was inaugurated by the chairman of the college Fr.Rev Dr Thomas Melvattom. The resource faculty involved in the program was Mr. Vasudevan Nair, Mr. Thomas John and Mr. Vineeth. .The students were divided into 3 groups and allocated to 3 faculties.

This program aimed at improving the communication skill, personality, attitude, etc. The first day was quiet, since the students didn't know each other. Everybody introduced each other's and their ambitions. We were introduced to the importance of communication skills in co-operate world. On the rest of the days various activities regarding group discussion, interview, debates, storytelling, etc was held. One of the day there was visit by one of the employee of infosys to motivate us



**upcoming
EVENTS**

Project Competition for S5

In order to encourage learning through doing, it is proposed to conduct a project competition exclusively for the S5 students. Funding with an upper limit of Up to Rs 15000/- will be awarded for the selected project proposal . Objective of this context is to identify and encourage students with innovative ideas to transform them into useful engineering products and services . Last date of submission of proposal/Presentation will be Last week of June . Presentation completed project will be held at the Second week of September.

Placement Oriented Training for S7 Students

A Training Program is organized for the Last year students buy the Placemats and training cell of Vimal Jyothi Engineering College. The training Will start at First week of the July . And the sessions will be handled by Insight Job Guru and Konfidence . Duration of training will be 3 days and the training program will cover Effective Communication, Grooming & Team Building ,Personal Interview & Resume Preparation, Attitude & Self Confidence, Group Discussion.

Lets await a Password Free World...

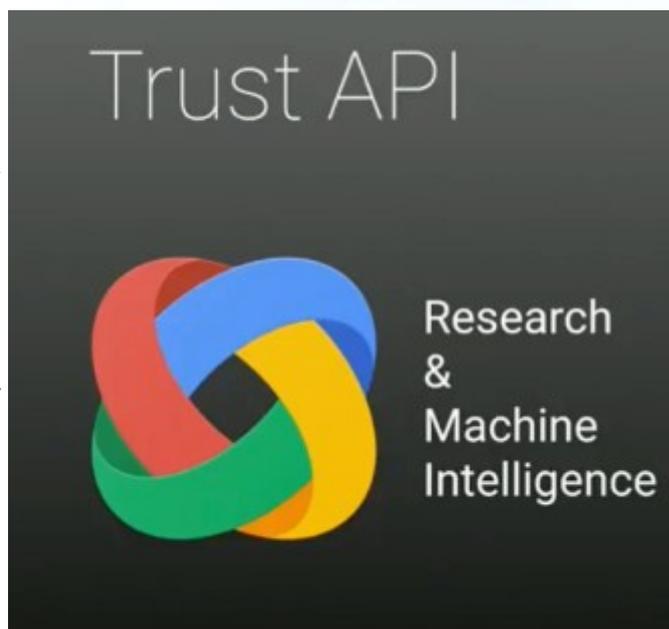
Yes, Its true. Near Future we can expect a world were password are not need for the authentication process. Conventional passwords might soon be a thing of the past, or at least on devices running Android. Google announced that it's pushing ahead with plans to replace passwords with "trust scores" that incorporate various data points about users to determine whether or not they're legitimate

it should be available to Android developers by the end of the year. The trust score is based off various user-specific data points, including current location, facial recognition, and typing patterns. Certain apps could require different scores. A banking app might want a higher trust score than Instagram requires, for instance. The Trust API always runs in the background of users' devices, monitoring its sensors and information to so that it can provide apps with the current trust score — basically its confidence level that you are who you say you are.

Although the API's release is contingent upon a successful trial with banks, this appears to be promising research, especially considering how terrible traditional passwords are, even when they're coupled with two-factor authentication.

If biometrics fail, a standby such as a password or some form of support infrastructure to do a reset is required, and "this could be complex for both the user and the service provider," Jude pointed out.

On the positive side, when the trust API works, it could provide a faster, more secure, consistent method of gaining access to secure sites



Placements 2016

VIMAL JYOTHI retained back its glory period in the academic year 2015-'16. A sedulous, productive and committed work of the VJEC placement cell paved a bright and happy future for the students passed out in 2016. An excellent job done by the team is worth praising. A large number of students not only from our department but from the entire college witnessed the success of placement cell by getting placed at various industries. Some of the prominent industries our students got placed are: Babte , TCS , UST Global , In app ,Kites Software all sec , Esco graphics etc.

wishes them a bright excellent and happy years ahead!!!

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.

Welcome

With due respect and heartfelt of love we welcome, Ms. Derrol David and Mr. Akhil Poulouse, to boost our team and to attain zenith with their distinguished capabilities. Mr Akhil Poulouse completed his graduation from College of Engineering Perumon,,kollam and post graduation in Computer science from college of engineering ,Chengannur, Alapuzha .His arae of Interest includes Image processing, Data mining Computer networks.

Ms. Derrol David is not a new face for us. She is our alumni from 203-2015 M.Tech batch . She've Completed her graduation form Nehru College ,Pamapady ,Palakkad. She's have industry experience of 2 years from IBM India. Her area of Interest includes Image processing, Data mining



Mr. Akhil Poulouse



Mrs. Derroll David

Editorial Board

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Ms. Rizwana -S7 CSE
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Ms. Lakshmi—s7 CSE

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.