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Department of Computer Science and Engineering

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UPCOMING EVENTS

- > Desing X Conclave
- > Semester Exams
- > Winter Vacation

Ubertech '16



Ubertech '16, a technical symposium of fun, learn and to gain a new experience was conducted by CSE department on 26th and 27th of August, 2016. The event was inaugurated by Mr. Partick Martinent, CTO at Newgen Knowledge works and Mr. Muralidharan Pattabiraman VP at Newgen Knowledge works. Ubertech '16 had around five technical, five non technical and thirteen amusing events including three workshops. Over 1100 students participated from various other colleges. Workshops on HackTrack conducted by Sunny Vaghela, Director & CTO of TechDefence trained the participants for Level 1 Certification on Ethical hacking. Android Development workshop conducted by the student professionals of Design X club had a wonderful

response from reputed colleges of South India gave a hands on training on Android App development and also concluded the session with a BEST CREATIVE APP DEVELOPER Competition. Workshop on Network X attracted many budding Engineers focused on Python programming in Networking Scope was delivered by Pushpendra Tiwari of final year, CSE department. Paper presentation from more than sixty teams competed with each other in the most recent technologies of Computer Science. On the other hand, Ubertech '16, also had non-technical and entertaining events which was quite a challenge for the participants. Ubertech' was an event of grand success and it was an event to remember!

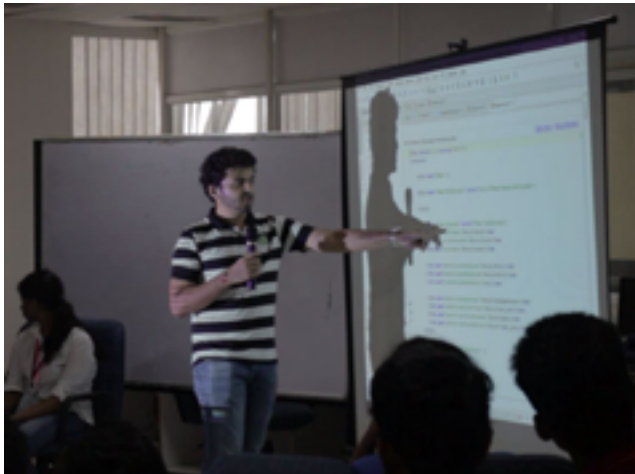
News In Bits

- AMD announces the Radeon Pro SSG, a graphics card with an inbuilt 1TB SSD.
- Nvidia announces the Titan X, a graphics card based on their latest Pascal architecture with a 12 GB DDR5X VRAM and a price tag of \$1200 (Rs 80,000/-).
- NASA's Kepler finds 104 new exo-planets.
- Researchers at MIT devise a secure anonymity network 10x faster than Tor.
- Verizon acquires Internet giant Yahoo for \$4.83 billion.

Workshop On Ethical Hacking



Android Workshop



Design X Team conducted a workshop during Ubertech '16 on basic design principles. The platform was Android, which is a popular mobile OS. The workshop was held over 2 days with over 200 members participating. The first day involved imparting basic information regarding designing in the Android front while the students would have to design their own app on the second day. The workshop was conducted by students of Design X- Abhishek-Dabholkar and Shivendra Singh. Both are well versed in the field of app development and have contributed much to the open source community with Shivendra releasing some

of his own apps on the Play Store. On the first day, the students were given a crash course on the designing aspects of Android app development. They were introduced to tools like Android Studio. They were taught basics like adding a button and creating an event and an action. They also learnt how to manipulate the visual aspects of the app. On the second day, the students were asked to create a model of their own app. They were asked to make it creative and were also asked to sell the idea of their app. Many impressive apps were submitted but one stood out and was selected as the winner.

Network X Workshop



one can make some quick inferences from real world com-

plex datasets using Networkx library. The basic concept behind this workshop is It covered all the functions provided by the library and how these functions can be modified a little bit to get more information with less effort. In the end, the team shared some sample codes that helped the students analyze networks structure, its properties, and dynamic phenomenon taking place on real world networks. As an undergraduate students, they are more benefited of these quick libraries and how these libraries could help them in getting good understanding of science happening

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Web Security Guest Lecture

The White Hat Hackers Club hosted a guest lecture on 20th of September in the field of web security, which was conducted by Mr. Karthick Vigneshwar P S, Director and Technical Advisor for infySEC UK. He has more than 10 years of professional experience in IT Security Industry, specialized in Ethical Hacking and Cyber Forensics. Mr. Karthick kick started proceedings of the workshop explaining the differences between Ethical Hacking and forensics. He then showed multiple videos on understanding one's hardware, how it changed the minds of inventors towards computerization, on the outreach of technological devices from the 20th century to the 21st century and some very proficient videos on BIOS, OS and Bootloader, all of which made grasping of concepts and ideas easy. Along with the series of videos, Mr. Karthick demonstrated the various methods of cracking a google account password and elaborated on the concepts of virtual system and slack

space and the procedure of retrieving data from a dying RAM. He also showed how to get into facebook accounts and how to ammend it by communicating with the system. He then elucidated on the topics of OS protection and security management with details about hard reboot, soft reboot and ACPI signal. Then with an interesting video about the various security measures and general computer facts. The students were very interactive during the session and some them even volunteered to get their facebook profiles ammended .The guest lecture ended with a quick Q & A session and was attended by more than 100 students.



Information Security Guest Lecture

The White Hat Hackers' Club of CSE department conducted a seminar on Information Security for CSE students on 21st September 2016. The Guest Lecturer, Sankara Baghan, is a Business Information Security Officer and Assistant Vice President in Citi Bank. The session began with a Welcome Speech by Pranav Krishnan, Office Bearer, followed by the club report by President, Aneesh Angadi and Chief Guest Introduction by Amrita Rao, Office Bearer. The HOD, CSE Department then honored the lecturer with a memento. Mr. Sankara started his presentation with an introduction to Information Security and then dealt with materials to be protected like License, Mobile Phones, Identity, etc. He later explained about privacy, and privacy consciousness with the help of a case study. The other topics he handled

include Social Networking Websites, Information Security, and Cyber Security versus Information Security, Protection Mechanism- People, Process, and Technology. He also elaborated on the career opportunities in Information Security. The Informative session ended at 3 pm with a questionnaire session.



Industrial Visit : CSIR

The CSE department arranged a one day Industrial visit for the batch of 2015 to the CSIR (Structural Engineering Research Centre) campus located at Tharamani. Students were introduced to the various technological ideas currently being worked at CSIR. Various Lectures on Bio-technology, Fuel Cells, Solar Cells, Real Time Software Testing, etc. were presented to the enthusiastic students. There were separate blocks and rooms for each field and students were excited to see the new ideas and machineries. The students gained knowledge and insight into the advancements currently happening in the Software field and this knowledge helped them in creating and working on their own ideas for enhancing the vast field. Overall, the immense amount of ideas and technologies shown to the students helped them acquire a vast amount of technological information not possible on a normal field trip.



Industrial Visit : Technovalley

The CSE department arranged an Industrial visit for the batch of 2014 to Kerala between 21st and 25th of September 2016 taken to Technovalley software Consulting India Private Limited. It is a technical consultant company that aims to create devices that involves latest technologies. Techno Valley has their own R&D sector, involving a small team that works on various projects. The students were explained how to proceed further with technology and find solutions that can make life better. Mr. Rajesh Kumar.S, Managing Director –Technovalley personally met the emerging startups from the department and gave his personal experience towards entrepreneurship. The students gained a lot of knowledge on how to manage time and how to make an optimistic business model. He educated them on how to get inspired by technology and how to bring them in reality. The students felt it was a brainstorming session visiting the company. The MD, Rajesh Kumar.S also has a dream of investing on eligible and potential startups.



Ubertech'16 Fun events

The fun events of Ubertech'16 kick started with grandeur on the 26th August 2016. It invited a large number of enthusiastic participants across various events like ASAP, Treasure Hunt, Shipwreck, Connections, Logo Quiz, Q-fiesta, Mock-CID, Puzzles and Riddles, Light Them All, Straw Tennis Ball, Glass Stacking and Roll it On among many other events. Ubertech'16's media partner, Chennaiyil, conducted the Preliminary and the Second Round for the event Minute to Fame on the 26th and 27th of August. Other events such as Face Painting, Mehendi and Nail Art saw a vast crowd of excited girls. Overall all the varied fun events were a grand success.