

NEWSLETTER

Dept. of Computer Science & Engineering



CONTENTS

Activities

Faculty Achievements

Student Achievements



Dear Readers,

It's always been my pleasure to release CSE Department official magazine for the academic year 2016-17. It is great to find achievements, activities, technical and non technical conducted by the branch. Reading this will give you picture what is been achieved in the Department. It will definitely motivate all students and staff to contribute even more to forthcoming issues, with respect to paper presentation and publications in Scopus , indexed journals.

Happy reading.

Dr. Nageesh H R,

Academic Dean, HOD CSE Dept.

Department of Computer Science & Engineering

VISION

To establish as a Centre of Excellence in Education and Research in the field of Computer Science & Engineering for transforming the students into Competent Professionals

MISSION

1. Provide strong theoretical and practical background in Computer Science & Engineering and allied fields of Engineering.
2. Provide excellent state of the art infrastructure and competent man power to facilitate the need based technical education to the students with ethical and social values.
3. Encourage the students to involve in Co-curricular and extracurricular activities.
4. Promote Research and Innovative activities among the staff and students.

Program Educational Objectives (PEOs)

Graduates of Computer Science and Engineering program will

1. Design, develop and maintain reliable software systems to satisfy the needs of customers
2. Do research and development to meet the challenges of changing information technologies
3. Work in teams to fulfil the societal and industrial needs

Program Specific Outcomes (PSOs)

Computer Science and Engineering graduates will be able to:

1. Design, develop, test and maintain the software systems that fulfill the needs of the industry and society
2. Apply the concept of networking, data storage and computation to solve the real world problems

Program Outcomes (POs)

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.

CORE



The activities of CORE-Computer Organization of Resourceful Engineers for 2016-17 was inaugurated by Mr Puneeth Gowda H K, Senior Software Engineer at Intel Corporation, Bangalore, on 22nd August 2016. The event was graced by, The Principal Dr G L Easwara Prasad, Head of Department of Computer Science & Engineering and Academic Dean - Dr Nagesh H R, CORE Coordinator and Senior Assistant Professor - Mr Sunil Kumar S and the President of CORE Mr Sachin Rai. During the event, CORE President recapped the events organized in the previous year by CORE. Later he went on to mention all the events that were earmarked to be held in the current academic year. The Head of Department spoke about utilizing the resources efficiently, effectively and about seizing the opportunities. He mentioned his expectations from the newly chosen Office bearers and urged them to carry out their duties and organize more technical events. The Principal addressed the gathering and welcomed 2nd year students into the branch and wished everyone a fruitful year.

Mr. Puneeth Gowda H.K, Software Engineer, Intel Corporation Pvt. Ltd, presented a technical talk on 22nd August 2016. In his talk, he enlightened the students on software development life cycle process in the industry and explained the Agile –Scrum Framework for software development by conducting event based examples. He also highlighted the advantages of using Agile –scrum framework compare to other frameworks and advised final year students to use agile – scrum framework for their final year projects.

Workshop on Data Analytics using Splunk- Mr. Bharath Kumar



Mr. Bharath Kumar, Lead Consultant Analytics Team, Wipro Technologies, Bangalore conducted a one day workshop on “Data Analytics using Splunk” for 5th Sem CSE students on 14th October 2016. The Workshop started with a technical talk on the need of data analytics and its applications, and a discussion on the use of Splunk tools for Data Analytics. In the afternoon session, the speaker demonstrated practical experimental work of data analytics



using splunk tool.

Future Trends in Data, Communication, Network and Security - Dr. Nagesh H.R



Dr. Nagesh H.R Professor, HOD, Dept. of CSE, MITE, presented a technical talk on “**Future trends in Data, Communication, Network and Security**” for 3rd Sem CSE Students on 8th November, 2016. In his talk, he enlightened the students on current issues & future trends in data science industry. He also mentioned the challenges involved in providing data security in data communication. He briefed on current trends in industry such as Big data, Hadoop and IoT technologies.



Workshop on Internet of Things- Idea to Market Place- Mr.Sudharshan

On 17th November 2016, Mr.Sudharshan K, Technical Leader in Automotive Security and iOS Developer, Intel Security(McAfee) was the resource person for a workshop called “**Internet of Things – Idea to Market Place**”. The workshop started with an Introductory Technical Talk on Internet of Things and its applications. The talk was followed by an experimental demonstration on Internet of Things and a Hands on Experiment Session, in which students were enriched with practical knowledge on conducting IoT experiments.



Workshop on BlockChain & HyperLedger- Mr.Bharath Kumar



Mr.Bharath Kumar, Lead Consultant Analytics Team, Wipro Technologies, Bangalore conducted a one day workshop on “**BlockChain & Hyperledger**” for 6th Semester CSE students. The workshop started with an Introductory Technical Talk on Block chain and its application towards resolving the issue of e-banking charges. The talk was followed by an experimental demonstration & hands on experimental study on creation of blockchain using C, wherein, students practically created block chain based transaction.

Employment Opportunities with Start-Ups- Mr. Vignesh Poojar



On 4th April 2017, Mr.Vignesh Poojar, Interactive Designer, [24] 7, Bangalore presented a technical talk on “**Employment Opportunities with Start-Ups** ” for 6th Semester CSE students. In his talk, he spoke on how a Start-up works and provides employment opportunities. He also urged the students on becoming IT freelancers and involve themselves in IT projects whilst completing their engineering course.

Workshop on WebVR- Virtual Reality- Ms Srushtika Neelakatan



Ms **Srushtika Neelakatan**, Mozilla Firefox, Bangalore conducted a one day workshop on “WebVR- Virtual Reality”, on 12th April 2017. During the morning session, the speaker addressed about realization of Virtual Reality in computer. While in the afternoon session, the speaker showcased a demo on Virtual Reality using AFrame and conducted hands on session for students, in which students developed and presented their own Virtual Reality program.

Technical Talk on Challenges in Multimedia Data- Dr. Nagesh H.R



Dr. Nagesh H.R Professor, HOD, Dept. of CSE, MITE, delivered a technical talk on “**Challenges in Multimedia Data** ” for 6th Sem CSE Students on 8th May 2017. In his talk, he enlightened, the students on current issues & future trends in multimedia data. He also addressed the challenges

involved in providing data security in multimedia data communication.

Technical Talk On “Open Source Projects”- Mr.Ranjith Kumar

Mr.Ranjith Kumar, Siemens, Bangalore and adjunct faculty in Dept of CSE, MITE presented a technical talk on “**Open Source Project** ” for 6th Sem CSE students on 9th May 2017. During the first session of the talk, he guided the students on choosing their topics for the Final year Projects and also spoke about the importance of preliminary planning in order to complete the projects on time. In the second session, the speaker presented the topic of the day ,“Open source Projects” and provided insights about how open source projects work.

Workshop on HTML 5-Mr.Prashant B.S



On 23rd May 2017, Mr. **Prashant B.S, Assistant Professor, Dept of CSE, MITE** conducted a one day workshop on HTML 5 and CSS 3. During the morning session speaker spoke about HTML 5 and CSS 3 files in detail. In the afternoon session, the speaker conducted a demonstration on creating Dynamic pages using HTML5 & CSS. This was followed by hands on sessions on two live projects , wherein, students developed their own web pages.

TECHNICAL EVENTS/PAPER PRESENTATION

1. Rizwan Ramzan Ahmed, Neha Rao Presented a paper titled Software defined networking(SDN) Shree devi sambhram'17, kenjar, mangalore on 23.02. 2017
2. Clyde Shelton Bangera secured First place in tech extreme (paper presentation) at Envision 2k17, SIT, Mangalore on 27.02.2017 28.02.2017

Toppers of Academic Year:2016-2017				
SEMESTER	1 st		2 nd	
	USN	NAME	USN	NAME
8	4MT13CS011	ANJANA R	4MT13CS014	ANUSHA K
6	4MT14CS056	MELINA SURMYA	4MT14CS099	SHRINIDHI
4	4MT15CS0106	SUPRIYA C M	4MT15CS105	SUPREETHA

Toppers of Academic Year: 2016-2017				
SEMESTER	1 st		2 nd	
	USN	NAME	USN	NAME
7	4MT13CS024	CHAITRA	4MT13CS039	GRITHIKA RAMESH
5	4MT14CS098	SHREELAKSHMI SHERIGAR	4MT14CS056	MELINA SURMYA
3	4MT15CS065	PAVITHRA KARANTHA	4MT15CS014	ANUSHA KARKERA



Chief Editor : Dr. Nagesh HR

Editor : Mr. Ashwin Kumar M

Member : Sachin Rai

Designer : Clyde Shelton