NEWSBITCSE

MESSAGE FROM DEPARTMENT CHAIR

Welcome and a very happy new year to everyone. It is my pleasure to present to you the new issue of "NEWSBITCSE", our department E-newsletter. This newsletter is one of the ways in which we broadcast the life of the Department. As you read through the pages you will realize that the department had a very busy and fruitful semester which was full of various events and activities by the students and faculty members in the fields of academic, extra-curricular as well as research. I congratulate all faculty members, students and alumni for the achievements and contributions they have made towards the department and the institute and I look forward to your support in future also. Wish you a great semester ahead.

- Dr. Ashalatha Nayak

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DEPARTMENT EVENTS

WORKSHOP ON CRYPTOGRAPHY

A six day research workshop on 'Cryptography, Cryptanalysis and Network Security- Current Challenges & Future Directions' was conducted from 13th - 20th September 2018. The workshop featured three international speakers from University of Texas, City University of London and IIT Ropar. The workshop comprised of hands-on sessions and MCQ based tests along with classroom lectures.

CLOUD COMPUTING EXPERT DELIVERS GUEST LECTURE

Prof. Rajkumar Buyya, Director, CLOUDS Lab, University of Melbourne, and CEO, Manjrasoft Pvt Ltd, Melbourne, Australia, delivered a guest lecture on "New Frontiers in Cloud and Fog Computing for Big Data / Internet-of-Things Applications" on 31st December 2018.The session kicked off with various concepts in cloud computing followed by discussion on innovative architectures and frameworks available for sensitive cloud applications.

PHD AWARDEE

Mr. Shreyas Suresh Rao has been awarded doctoral degree by MAHE, Manipal, for his thesis titled "Enterprise Software to Enhance Collaborative Intelligence in Socio-Technical Enterprises through Web Based Collaborations" under the guidance of Dr. Ashalatha Nayak.

MICROSOFT ACADEMIA ACCELERATOR PROGRAM

The Department in collaboration with Department of I&CT and placement cell organized the inaugural ceremony of "Microsoft code fun do++" on 10th November 2018.This online challenge program was spread over 4 weeks and the selected students worked under the guidance of Microsoft mentors.

MERITTRAC WORKSHOP

The Department along with the department of I&CT organized one-day workshop on "Demonstration of MeritTrac Coding Tool" on 8th September 2018. The speakers , Mr. Rohit Goswami, Mr. Naveen S Murthy and Mr. Sateesh Kumar demonstrated the vari-

HANDS-ON MATLAB WORKSHOP

An interactive faculty development workshop on "Advanced Utilities in MatLab" by Mr. Viju Raghavan from MathWorks was conducted on 11th August 2018. Live examples and case studies from various disciplines of engineering studies were discussed to highlight the versatility of MATLAB .

INVITED TALK BY PROF. GANG LI

CSE department along with the Department of I&CT organized an informative talk on "Information Abuse Prevention & Tourism Data Analytics" by Prof. Dr. Gang Li, Associate Professor, School of Information Technology, Deakin University, Australia. His talk mainly covered the key areas such as Behavior Informatics, Tourist movement Analysis, Periodic behavior mining, Differential Privacy and Big Data. He also discussed the various opportunities for collaboration between the two Universities which could further help in strengthening the technical acumen and foster research outputs.

PROSPECTIVE RESEARCH COLLABORATION WITH UWM

The Department had an opportunity to interact with Dr. Mukul Goyal from the University of Wisconsin-Milwaukee on 6th August 2018. The captivating talk highlighted the various international collaborative research opportunities for MIT faculty members and students at University of Wisconsin-Milwaukee (UWM).

GUEST TALK ON SEMANTIC WEB TECHNOLOGIES

In association with departments of ICT and DCA,SOIS and Research and Consultancy, the Department organized a workshop titled "Application of Semantic Web Technologies to Data Intensive Systems" on 03rd December 2018. The speaker Dr. Juan F. Sequeda, Co-founder and the Senior Director of Capsenta Labs , gave an insight on the challenges of deploying Semantic Web in the real world having relational database.

ALUMNI INTERACTIONS

MS. KIRAN SPEAKS ON FINANCIAL CRIME SURVEILLANCE

The Department organized a guest lecture on "Financial Crime Surveillance, its Impact On Global Societies and Role Played by Technology" on 25th August 2018. The speaker Ms. Usha Kiran (Batch 2001), Associate Vice President, Financial Crime Surveillance at Standard Chartered Bank discussed about the vital role of technology in financial crime surveillance and its future research trends.

EMINENT CARTOONIST NIKHIL PRAN INSPIRES STUDENT COMMUNITY

Our distinguished alumnus Mr. Nikhil Pran (Batch 1991), CEO, Pran's Features, had an interaction with the students and faculty members on 24th September 2018. He is the son of cartoonist Pran Kumar Sharma, creator of iconic Chacha Chaudhary. He inspired students to work towards their passion.

STUDENT ACHIEVEMENTS

STUDENT PUBLICATIONS
Budding researchers of the department have presented research papers in various International Conferences under the guidance of the department faculty members. Our alumnus Mukund Poddar, batch of 2017 won the best paper award in International Conference on Bioinformatics and Systems Biology-2018 at IIIT Allahabad. The department appreciates the students' inclination towards research.

IAESTE STUDENT REPRESENTS INDIA AT APIF
Kushagra Sharma, final year student , was the Indian delegate in 8th Asian Pacific IAESTE Forum (APIF) Meeting of the International Association for the Exchange of Students for Technical Experience, at Sultan Qaboos University, Muscat on 30th September-1st October 2018.

TECH GURUS: SMART INDIA HACKATHON
Siddarth Soni and Prerna Vikas Tank , final year students, along with their six member team **Tech Gurus** secured 5th position in SMART INDIA HACKATHON – 2018, which was held on 30th and 31st March 2018 at P.I.E.T, Panipat, Haryana.

CSE DUO GRABS BEST PROJECT AWARD
Ritwik Sarkar and Vishnu Asutosh Dasu bagged best project award in the 5th summer school of Computer Vision, Graphics and Image Processing conducted from 31st May 2018 to 13th July 2018, in the Electronics and Communication Sciences Unit, Department of Indian Statistical Institute Kolkata in association with Indian Unit of Pattern Recognition and Artificial Intelligence.

UNDERGRADUATE RESEARCH ASSISTANT AT CMU AND INTERN AT MIT,BOSTON
Faraz Faruqi , final year student worked as an Undergraduate Research Assistant at the ArticuLab, Language Technologies Institute, Carnegie Mellon University, USA. He was the member of SCIPR (Sensing Curiosity in Play and Responding) , where the main target was to create a Conversational Agent which presented itself as a virtual child. He also worked on child specific Automatic Speech Recognition and designed a multimodal sensing experiment to understand and classify verbal and non-verbal behaviors displayed by children while playing the game with the virtual agent.Currently, he is pursuing his 8th semester project as a research intern at MIT, Boston.

ALUMNI ACHIEVEMENTS

♦ Sumed Marwaha (Batch 1995) has been appointed as Managing Director and Regional Vice President at Unisys He also leads the India Delivery Centers and serves as the managing director of the Unisys India Board.

♦ Atul Batra (Batch 1993) ,an Entrepreneurial Product Leader is appointed as Chief Technical Officer(CTO) at Manthan. He is also serving as Chair for India's NASSCOM Product Council for 2017-19 and a member of the NASSCOM Executive Council.

♦ Shilpa Bhat (Batch 2002), Vice President – Games, 99Games India's leading Developer and Publisher of games of international standards for Global and Indian consumers was the only Indian woman chosen by Google to mentor Indies across APAC region at Google's Indie Games Accelerator programme held at Singapore on 24th September 2018. She has leaded five mentorship sessions across Game Development including Design best practices, Google Platforms , Business Development including Google Play Console and YouTube Gaming etc.

FACULTY ACHIEVEMENTS

♦ The faculty members have published around twenty three research papers in various Scopus indexed journals and also presented papers in various international conferences.

♦ Dr. Srikanth Prabhu served as Publication Chair and delivered keynote address on "Biometric and Information Security" at ATIS 2018, Nanning, China, on 9th November 2018.He also delivered keynote Address on Biometric Technologies at Dept of Forensic Medicine and Toxicology, KMC, Manipal, at Karnataka Legal Medico conference on 4th November 2018 .

DEPARTMENT CLUB ACTIVITIES

LINUX USERS' GROUP
Faculty Advisor
Mr. Ashwath Rao

Events Conducted
1. MuPy Conference on 28th Oct. 2018.
2. Mobivision Android Workshop on 16th Oct. 2018.

IECSE
Faculty Advisor
Mr. Giridhar. N.S

Events Conducted
1. Code Heat - an online coding event from 15th - 18th July 2018.
2. Freshers' Codesprint - an online coding event from 7th - 9th Sept. 2018.
3. Introduction to Algorithms - One day Workshop on 16th Sept. 2018.
4. Code Meet: Game Theory - One day Workshop on 21st Oct. 2018.
6. Dribbble Meetup - Design session on 24th Oct. 2018.
7. Swachh Bharat: An introduction to Open Source –One day Workshop on 27th Oct. 2018.

ACM STUDENT CHAPTER
Faculty Advisor
Dr. Srikanth Prabhu

Events Conducted
1. CUDA Parallel Programming Workshop on 29th Oct. 2018.
2. Cyber-security Fundamentals on 5th Nov. 2018.