MESSAGE FROM DEPARTMENT CHAIR

It gives me immense pleasure to publish the new issue of the E-newsletter. The semester began with good number of funded workshops, guest lectures and visit from various industry experts. Amidst this COVID pandemic, its proud to see our alumni and students working really hard to come up with great inventions and achievements. It is also good to see our faculty members and students actively taking part in various academic, extra-curricular and research activities. I congratulate each one of them on their achievement and encourage everyone to continue with this trend. Happy reading and stay safe.

- Dr. Ashalatha Nayak

Faculty Mentor

Dr. Srikanth Prabhu

Editor- in-Chief

Ms. Vidhya V.

Editorial Team

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4. Mr. Bhargav Bhatkalkar

5. Ms. Priya Kamath

6. Mr. Radhakrishna Bhat

7. Ms. Richa Hinde

8. Ms. Shivani Shankar, 3rd year

DEPARTMENT EVENTS

HPE WORKSHOP-SEASON 4

The Department hosted the fourth season of "HPE Workshop Series" from 24th to 25th January 2020 titled " Computer Networks - Protocols, Tools, and Standards". The two-day expert workshop was steered by HPE resource persons Mr. Neelesh, Mr. Harish, Mr. Santosh, Mr. Jitendra, Mr. Madhav, and Mr. Ashok. The enthralling workshop captured the attention of students in experimenting a virtual platform and gaining insights on Datacenter scenarios.

INTERACTION WITH INTERNATIONAL ACADEMIC PARTNER | EFREI

Ms. Christine Michel, Director of International Relations from EFREI Paris, visited the institute and discussed about short term faculty exchange programs. She also addressed CS&E students about the opportunities and benefits of student exchange programs on 3rd February 2020.

GUEST LECTURE ON TECHNOLOGY IN HEALTH CARE

The Department organised a guest lecture on "Technology in Health Care" by Ms. J Lalitha, Senior Director, Cerner Healthcare on 5th February 2020. The speaker highlighted the various innovative and technological solutions to improve patient care and community health. The talk witnessed participation of faculty members and students in large numbers.

VISITING DELEGATIONS| MALMO UNIVERSITY

A meeting of delegates from Malmo University, Sweden with MAHE was held from 13th to 14th February 2020. As part of the visit, Dr. Dipak Surie, Assistant Professor, Malmo University has interacted with faculty members of CS&E, I&CT, DCA and E&C departments. He has discussed about various projects on Internet of Things, Human Computer Interaction, Information Architecture and Innovation.

SAMSUNG PRISM PHASE II

Samsung PRISM is a platform for Professors and Students to work on industry relevant projects. As part of this program, Samsung has executed MOU with MAHE to collaborate with relevant Departments/Professors on real-time projects across Institutions. In the Phase I, they have offered nine worklets and three faculty members from the department are mentoring these worklets. In order to strengthen the collaboration and provide opportunity to academicians and student community, they have offered two more new worklets to the department as part of Phase II.

INDUSTRY EXPERT INTERACTION

The Department organised an industry expert session with Mr. Kushagra Gandhi, Managing Director of Sensovision Systems Private Limited, on 4th February 2020. The speaker interacted with the faculty members about the different departmental projects covering dynamic domains like Machine Learning, Digital Image Processing and Computer Vision. He also provided a glimpse of the industry and its problems and encouraged faculty members to take up various live projects.

IN REMEMBRANCE

We have lost one of our beloved faculty members, Mrs. Vidya Pai on 29th April 2020. She was a great teacher, a dedicated guide, a budding researcher, a true friend, and above all a wonderful human. She has been a committed and active member of the department E-newsletter since its inception. Her contribution to various departmental activities is highly recognized and appreciated. We hope that wherever she is, will continue to shine as a brightest star and spread happiness like the most colorful butterfly. We pay our heartfelt condolences and pray that her soul finds eternal peace.

STUDENT ACHIEVEMENTS

STUDENT TEAM WINS MIT COVID-19 CHALLENGE

A crew of three students - Akshatha Kamath (CSE), Shubham Rateria (CCE 2019 Batch) and Adri Rajaraman (ECE 2019 Batch) has emerged victorious in the Massachusetts Institute of Technology COVID-19 challenge - 'Beat the Pandemic'. They narrowed down to the problem of overcrowded hospitals with inappropriate admissions, whereas less than 5% of the average population under 50 years of age requires hospitalisation. Their solution was to build a Tele Health platform for non-contact monitoring of vital signs, such as heart rate, respiratory rate and blood oxygen concentration using just a phone camera, or webcam at home.

ARYAMAN WINS 4TH BEST ADJUDICATOR AT NUALS PARLIAMENTRAY DEBATE COMPETITION STUDENT RESEARCH RECOGNITION

Aryaman Kohli, a second year student, has been awarded as the 4th best adjudicator in the NUALS Parliamentary Debate competition held at Kochi, Kerala from 28th February to 1st March 2020. He has also got qualified as a finalist in the debate tournament.

STUDENT RECEIVES MULTIPLE SCHOLARSHIPS

Akshatha Kamath received the DAAD-WISE scholarship offer for a summer research internship in Germany with Max Planck Institute for Intelligent Systems, Tuebingen. She has also been offered with NTU-India connect scholarship at Nanyang Technological University, Singapore.

STUDENT GRABS SECOND PRIZE | INCIDENT 2020

Tanay Nayak has secured second prize in the JAM (Just a Minute) competition, conducted as part of the annual cultural fest of NITK 'Incident 2020' from February 27th to 1st March 2020.

FIRST PLACE IN TAPMI QOTB 2020

Rahul Vishal Mishra (CSE) and Ashwin Thakur (EEE) have won first place in the Manipal edition of the TAPMI 'Quiz on The Beach' competition held on 19th January 2020. They also represented the institute in the grand finale of 17th edition of the flagship quizzing event.

Rahul Vishal Mishra & Ashwin Mathur
MIT, Manipal

MIT STUDENTS BAG SECOND PRIZE AT CODE19 ONLINE HACKATHON AGAINST COVID-19

A student team comprising of Megha Baid (CSE), Shivangi Shukla (CSE), Rakshit Naidu (CSE), Jithin Sunny (EEE), Joel Jogy George (E&C) and Rohan Rout (EEE) secured the second prize of $5000 in the Code19 Hackathon conducted by Silicon-Valley based Motwani Jadeja Foundation and HackerEarth. The team's solution, 'Televital', enables remote monitoring of vitals and will make hospital admissions more efficient, reducing the burden on medical staff and equipment.

FACULTY ACHIEVEMENTS

♦ The faculty members have published ten research papers in Scopus and Web of Science indexed journals during January to May 2020.

♦ Dr. Manjunath K N has published his Ph.D abstract in the Medical Physics journal published online by American Association of Physicists in Medicine (AAPM) on 30th April 2020. The journal publishes research works on ensuring accuracy, safety, and quality in the use of radiation in medical imaging and radiation therapy.

♦ Dr. Srikanth Prabhu has garnered the Distinguished Toastmaster (DTM) Award in June 2020. This award represents the highest level of educational achievement in Toastmasters and recognizes the public speaking and leadership achievements of a member. He was also the instructor for ASSET Digital Learning Programme (ADLP) in which he offered a 20-hour course on topic "Think like a mathematician" from 4th to 15th May 2020.

♦ Ms. Sucharitha Shetty, newsletter editor of Rotary Club Udupi-Manipal, has bagged the first place for the weekly bulletin "Concord" in Rotary District Awards 2019-20. This award is conferred annually based on the content, consistency and attractive design of the newsletters among the various Rotary Clubs in the district.

ALUMNI CORNER

DR. SHASHWAT ALOK PROMOTED AS DIRECTOR OF DIRI

Dr. Shashwat Alok (2008) has been promoted as the Director - Digital Identity Research Initiative (DIRI) at the Indian School of Business (ISB), Hyderabad. Prior to joining ISB in 2013, Dr. Shashwat has completed his Ph.D. in Finance and M.Sc in Business Administration & Finance during 2008-13 at Washington Univ., St. Louis.

ALUMNI INTO PREMIUM UNIVERSITIES/INSTITUTIONS

1. Srishti Singh : Carnegie Mellon University
2. Mansi Goyal : Carnegie Mellon University

ALUMNI START- UP

Mr. Shagun Somani (2016) is making waves in the start-up landscape with his education platform which works towards the educative training of college students in tier - 2 and tier- 3 cities. Mr Shagun, currently working as a Master Data Governance and Techno-functional Consultant also has a dance group for corporates and by corporates.

3D USHER PROVIDING PPE KITS TO FRONTLINE WORKERS

3D Usher, an on-demand production company, co-founded by Gopal Krishna (I& PE, 2014) and Faizan Mehdi (CSE, 2014), has been producing PPE kits and other healthcare gear for frontline workers in India. They have, so far, distributed 7,000 PPE kits and 30,000 protective face shields. Other MIT Manipal alumni on the 3D Usher team include Dhiraj Nayak (I & PE, 2011) and Khaman Singh Bhati (Civil, 2019).

DEPARTMENT CLUB ACTIVITIES

LINUX USERS' GROUP

Faculty Advisor
Mr. Ashwath Rao

Events Conducted
1. Linux basics and bash - A one day workshop on 3rd Feb. 2020.

IECSE

Faculty Advisor
Mr. Giridhar. N.S

Events Conducted
1. Code Heat - An online coding event from 14th to 15th Jan. 2020.
2. Pixel Week - A two day design session from 17th to 18th Jan. 2020.
3. Flutter Interact - A two day workshop on 21st to 22nd Jan. 2020.
4. Web.io - A three day hands on workshop from 24th to 26th Jan. 2020.
5. ML Meet - A two day workshop from 7th to 8th Feb. 2020.
6. Dribble Meet - A one day event on 12th Mar. 2020.
7. Prometheus IX - An online event from 28th Apr. to 18th May 2020

ACM STUDENT CHAPTER

Faculty Advisor
Dr. Srikanth Prabhu

Events Conducted
1. Corporate Culture and What to Expect - An interactive talk on 14th Jan. 2020.
2. Swachh Bharat - A one day event on 26th Jan. 2020.
3. Introduction to Reinforcement Learning - A one day workshop on 1st Feb. 2020.
4. Code Meet: A one day workshop on 10th Feb. 2020.
5. Tech Quiz - A one day event on 22nd Jan. 2020.