



THE DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING E-NEWSLETTER 2019

The Department of Computer Science & Engineering is pleased to present its annual e-newsletter for the year 2019. This e-newsletter details the activities and achievements of our esteemed department.

OUR VISION:

“Seeks to become a universally well-known academic centre for teaching, learning, research and innovation in the field of Computer Science & Engineering.”

OUR MISSION:

M1: Impart quality education with an emphasis on basic principles of Computer Science and Engineering.

M2: Inculcate advancements in curriculum and pedagogy to enhance the teaching and learning process.

M3: Foster research and collaboration with premier institutions and industries.

M4: Promote innovation and entrepreneurship for the betterment of society.

PROGRAM EDUCATIONAL OBJECTIVES (PEO):

PEO 1 - Excel in a professional career across industries and institutions that emphasises Innovation and problem solving.

PEO 2 - Collaborate successfully with peers, colleagues and organisations.

PEO 3 - Work as ethical and responsible members of the computing profession and society.

National/State Level Events Conducted By Department Clubs

- A 36 hour National-level hackathon **Hack Elite 2019** was organised, in association with HP Enterprise, on 9 & 10th November 2019.
- An **Android Workshop** was conducted by Google Developer Student Clubs (GDSC) for differently-able students on 19th October 2019.
- **Google Cloud Career Readiness Program** was held on 3rd August 2019 by GDSC. This program provided a pathway to achieve the industry recognized Google's Associate Cloud Engineer Certification.
- The annual technical fest **FOSS CAMP** was held from 30th October to 8th November 2019 by Linux Campus Club (LCC).

- A **Start-Up BOOT CAMP** program for the students in association with Karnataka Innovation & Technology Society, Department of IT-BT, was organised on 6th August 2019.



The winners of HackElite - 19 featured next to the delegates and judges

Faculty Awards/achievements/PhDs awarded

- **Dr Srinath S** was invited as a session chair for 3rd National Conference on Engineering Innovations and Solutions (NCEIS – 2019) on 23rd April 2019, hosted by the Dept. of IS&E, GSSS Institute of Engineering and Technology for Women, Mysuru. He was also a Technical Committee member and session chair for National Conference on Recent Innovations in Computing, Communication & Intelligent Systems (RICCIS'19) on 21st & 22nd March 2019 at Amrita Vidyapeetham, Mysuru.
- **Dr Anil Kumar K M** visited Deakin University, Melbourne, Australia as part of post-doctoral research. He was also invited as a representative from Karnataka to attend GIAN evaluation workshop, MHRD, Delhi, for providing a review on GIAN courses on 5th & 6th February 2019.
- **Dr Prasanna B T** was invited as a session chair for an international conference on advanced computing and information technology - IACIT on 10th & 11th May 2019 at Reva University, Bengaluru.
- **Dr A M Chandrashekar** was awarded PhD from VTU for his thesis entitled “Effective Data Mining Technique for Network Intrusion Detection”.



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- **Dr Manimala S** was invited as a session chair for 3rd NCEIS – 2019 on 23rd April 2019, hosted by the Dept. of IS&E, GSSS Institute of Engineering and Technology for Women, Mysuru. She was a reviewer of research papers for “International Journal of Computer Science and Business Informatics”, an international peer-reviewed, open-access journal. She was also an Organizing committee member for 6th International Conference on Applied Science Engineering and Technology (ICASET 18) held in Pondicherry on 29th & 30th December 2018.
- **Prof. Manjula S** was awarded PhD from University of Mysore for her thesis entitled “Approaches for combining MANET with Internet”.

Publications in Journals/Conferences

- **Dr M. P. Pushpalatha** published three journal articles and two conference papers.
- **Dr S Srinath** published three journal articles and two conference papers.
- **Dr Anil Kumar K M** published a journal article and a conference paper and communicated another journal article.
- **Dr M A Anusuya** published one journal article and two conference papers.
- **Dr A M Chandrashekar** published two journal articles.
- **Dr Manimala S** published two journal articles and authored two book chapters.
- **Prof. P M Shivamurthy** published two Scopus indexed journal articles and a technical article towards Connect-2019, LCC.
- **Dr Trisiladevi C Nagavi** published three journal articles and presented a conference paper.
- **Dr P Mahesha** published one journal article.
- **Prof. Vani Ashok** presented two conference papers.

Workshops/Invited talks/Industrial Visits/GIAN Programs Conducted

- **Dr M P Pushpalatha, Dr Anil Kumar K M, Dr A M Chandrashekhar and P M Shivamurthy** were involved as Organizing Secretaries for 3 days - International Hand On Workshop on “Embracing Industry 4.0 Revolution – Bioimaging Trends and Applications in the Life Sciences” 23-25 Oct, 2019- Jointly organised by Dept of BT, IS and CS.
- **Dr Srinath S and Dr Manimala S** organised a one week workshop on "Python Programming" a Twinning program between SJCE, Mysuru and MLV Textile & Engineering College, Bhilwara, Rajasthan under Technical Education Quality Improvement Programme (TEQIP-III) from 10th January 2019 to 16th January 2019.
- **Dr Srinath S and Prof. Divakar** Coordinated an invited talk on “Free Libre and Open-Source Software” on 08.04.2019.
- **Dr Srinath S** organised a one-week FDP on “Research Methodology and Digital Pedagogy” from 16.07.2019 to 20.07.2019 at MLV Textile Engineering College Bhilwara, Rajasthan and delivered a talk on “Computer Network and Communication” at Sadvidya Semi-residential PU College, Mysuru on 24th December 2018.
- **Dr Anil Kumar K M** delivered a talk on “Cyber Threat” at National Level Workshop on Computer Networks and Cyber Security, 16-20th July 2018 and a talk on Cyber Security for Special officers at Administrative Training Institute (ATI), Mysuru on 19th January 2019.
- **Dr M P Pushpalatha and Dr Anil Kumar K M** organised an awareness Workshop on Cyber Security in association with Cyber peace and CSI, Mysore Chapter on 23.8.2019 and an invited talk on Internship avenues in Cyber Security in association with Cyber Security and Privacy Foundation Ltd., Singapore on 29.8.2019.
- **Dr M A Anusuya** conducted a 5 days hands on workshop on “Machine Learning for UG students from 2nd May to 6th, 2019, a one-day Workshop on "Spoken tutorials on Python", hosted by IIT Bombay at SJCEAs a remote centre for online conduction) on June 1st, 2019, an invited talk on “Block chain Technology”, on 23rd August 2019

and an invited talk on real world application of Artificial Intelligence on 24th August 2019.

- **Dr Prasanna B T** and **Nandeesh H D** conducted a national level 2-day workshop on “Blockchain and Artificial Intelligence” on 19th & 20th July 2019.
- **Dr A M Chandrashekhar** organised a one-day workshop on “Agile Software project management” on 18th November 2019.
- **P M Shivamurthy** organised a one day invited talk on Machine learning for high resolution image processing by Prof. Uttamkumar, IIT, Bengaluru, on 15th June 2019 under TEQIP - III, an Industrial visit for PG students to NVIDIA Technologies on 8th June 2019.
- **Dr Mahesh P** and **Nandeesh H D** delivered an invited talk on “Web Technologies” at M.L.V Textile and Engineering College, Bhilwara for 3 days during the month of June 2019.
- **Vani Ashok** and **Sheela N** organised a one day invited talk on “Hands on Training on Deep Learning”, 19th January 2019 under TEQIP III and “Undergraduate Project/Research Orientation: Importance, Benefits and Challenges” on 27th September 2019 under TEQIP III.

Collaborative Research/Projects/Patents/MoU signed

- A patent has been filed by **Dr Srinath S**, Associate Professor and **Mr Shivashankara S** on “System and method of creating hand gesture benchmark image datasets for recognising and interpreting American Sign Language”.
- **P M Shivamurthy** is working as a project coordinator under Intuit Tech Bridge programmes a part of MOU between Intuit Technologies and JSSSTU.

Student Achievements

- **Manthan M Kulkarni, Nanda Krishna K S, Jayanth D, Jeevanth D, Disha Bhat** and **Ankitha Ashok Baleri** participated in the Grand Finale of the Skill India Hackathon 2019, organised in collaboration with MHRD Govt. of India on 1st & 2nd March 2019, winning the Hackathon for their project idea.
- **Santosh Umesh Shet** was selected as the Harvard College Project for Asia and International Relations Delegate to represent India and JSSSTU at Nazarbayev University, Nur-Sultan, Kazakhstan Asia Conference 2019 and won 2nd place globally for providing a solution presented on "Corporate Culture" at HPAIR Impact Challenge 2019, presented by Kazzinc Ltd.
- **Pranav Bedre G H, Pruthvi H P, Rishitha S Ramesh, Y Prahasith, Vivek R N** secured 2nd place in state level hackathon conducted by Institutions Innovation Council by MHRD.
- **Vijeth Vaishnav D** won the 1st place in debate and pick and speak competition held at Mysore Medical College.



Santosh Umesh Shet was awarded at HPAIR Impact Challenge



Winners of Skill India Hackathon 2019

Editorial Members:

Dr Srinath S | Dr Anilkumar K M | Prof. Parashiva Murthy B M
Anagha Honnali | Darsha Sorokhaibam | Ninaad A Kaller
Shreeya Pai | Thanya Gangesh | Darshan B S | Abhilash Hathwar