

In this issue

- IMPULSE (IEEE SPS Chapter Driven Initiative)
- Technical Events
- NTIRE 2021 Challenge Winners
- Non-Technical Events
- University Rank Holders

IMPULSE (IEEE SPS Chapter Driven Initiative)

Intensive Mentoring Program for Upcoming Leaders in Signal processing conducted from 19th May 2021 to 30th May 2021, was a 10- day mentoring programme to provide upcoming engineers a peek into state-of-the-art research and industry practices, and to direct them towards it. The participants were given guidance in the fields of Digital Signal Processing (DSP), Machine Learning (ML) and Computer Vision (CV) by field experts, and a hackathon in the end, to offer them the experience of getting their hands on a real-world challenge. Participants were also introduced to the different challenges of IEEE SPS and IEEE CS like ICASSP, ICIP, CVPR and ECCV. Prior to the commencement of the mentoring programme two pre-events were conducted: a quiz on 3rd May 2021 and a webinar on undergraduate research on 7th May 2021. Later on, the enrolled students were added to a WhatsApp group and Google Classroom where IMPULSE coordinators took ownership of updating them with the progress of the event and attending to their queries. The sessions were effectively organised and supplied with, introductory sessions on basics of python first and then proceeding to more advanced sessions; OpenCV, DSP and Machine learning, on the following days. Equally relevant and experiential domains; Research Methodologies, CVPR, ECCV and the journey of Vidyut in IEEE Signal Processing Cup 2016, were covered on the rest of the days.

Technical events

SC CET Conducted workshops on the topics "C programming" and "AutoCAD" on 15th January 2021 and 6th February 2021 respectively. IEEE Branch CET organised a talk on the topics "Journey to the finals-assertion with E-Yantra finalists" and "she talks" by Anubha Maheshwar, founder of GirlScript Foundation respectively and also the conducted a "Blogging Contest" on 27th February 2021.

NTIRE 2021 Challenge Winners

Image restoration, enhancement and manipulation are key computer vision tasks, aiming at the restoration of degraded image content, the filling in of missing information, or the needed transformation and/or manipulation to achieve a desired target (with respect to perceptual quality, contents, or performance of apps working on such images). Each step forward eases the use of images by people or computers for the fulfillment of further tasks, as image restoration, enhancement and manipulation serves as an important frontend. NTIRE Challenge aims to provide an overview of the new trends and advances in those areas. Moreover, it will offer an opportunity for academic and industrial attendees to interact and explore collaborations. Geethu M. M. (M.tech Student) and Ms. Chippy M Manu (Research Scholar) under the guidance of Dr. Sreeni K.G. participated in "NTIRE 2021 Non-Homogeneous Dehazing Challenge" as a part of CVPR 2021 secured 17th and 18th positions respectively.



Chippy M Manu Geethu M M

Non-Technical Events

CET BBC club Organized a confidence-building interactive session 'Unleash 1.2' by V K Krishnakumar, Life Skills Trainer, Course, and Career consultant on 2nd January 2021. CET BBC club Conducted a panel discussion on 'Catch-Up with 18' on 13th February 2021.

University Rank Holders

The top 5 university of KTU ranks in the B.Tech degree (AEI branch) were secured by the students of the department- Ms Amulya B Nair and Ms Saagara M.B. (1strank), Mr Sibin Kurian (3rdrank), Mr Sanjay M. Santhosh (4thrank), Mr Nithin Biju (5thrank) and Ms Kajal Sulthana (6thrank). In the ECE branch, Ms Misha T.M. secured 6th rank.



Department Vision

To transform young students into responsible and competent professionals with focus on dissemination of knowledge in the sphere of Electronics, Communication and Instrumentation Engineering.