



- Constituent College of JSS Science and Technology University
- Approved by A.I.C.T.E
- Governed by the Grant-in-Aid Rules of Government of Karnataka
- Identified as lead institution for World Bank Assistance under TEQIP Scheme



Overall Activities by Department of E&C for the month of March 2021

Technical Activities Organized

Online-Talk on 'yoga for Mindfulness' 14 th March 2021

1. Organized PLC, Pneumatics & Sensorics Workshop between March 22-24 & 29-30, 2021, at Bosch Rexroth Center of Competence in Automation Technology for SJCE PG students, SJCE Campus, JSSSTU.
2. Dr. M G Veena Delivered a talk on research entitled, "Epoxy Nanocomposites for Electrical Insulation", in WI-Research organized by IEEE Mysore Sub Section in association with IEEE Bangalore Section and IEEE Women in Engineering Affinity Bangalore Chapter, IEEE Education Society, from 7.00 to 8.30 PM (Webinar) on 24 th March 2021.

A webinar on my Research topic to the community of students, faculties, researchers and professionals. This is a part of the program Women In (WI) – Research on the occasion of International women's day.

Abstract: Polymer based nanocomposites have been studied extensively over the last few years due to interesting material properties observed experimentally. Several research groups worldwide have now been able to document some significant improvements that can be made in the electrical, mechanical, thermal and other properties of polymer composites through the incorporation of nanoparticles. One of the main goals of the research in the field of polymer nanocomposite dielectric is to obtain new materials with improved dielectric properties. This investigation has clearly demonstrated that by introducing ceramic nanofillers to the pure epoxy, promising enhanced properties can be achieved with respect to electrical insulation. Meeting link: <https://ieeemeetings.webex.com/ieeemeetings/j.php?MTID=mcd72bfl1d1096cefcf3cad225db0abfa6>.

3. Half day training (online) on "Usage of IEEE Resources" for PG students from 2.30 to 4.30 PM on 09 th Mar 2021.
4. A webinar on usage of JSS S&TU (SJCE) library IEEE resources to the community of students, faculties, researchers and professionals. This is a part of the program IEEE –SJCE student branch, Bangalore section. Speakers: Mr. M.S. Srinivas and Mr. Dhanu Pattanashetti, IEEE representative, EBSCO, Bengaluru. No. of participants attended from JSS S&TU (SJCE): 154. Meeting link for the session to attendees: <https://ebSCO-india.webex.com/ebSCO-india/onstage/g.php?MTID=eb57cf3152cafc1ee34b585f793119274>
5. Half day training (offline) on "Usage of IEEE Resources" for UG students, faculties and research scholars from 2.30 to 5.30 PM on 16 th Feb 2021. An off line session on usage of JSS S&TU (SJCE) library IEEE resources to our college UG students, faculties and research researchers. This is a

part of the program IEEE –SJCE student branch, Bangalore section. Speaker: Mr. M.S. Srinivas, IEEE representative, EBSCO, Bengaluru. No. of participants attended from JSS S&TU (SJCE): 75. Venue: IS/CS seminar hall.

List of Publications

Books/Monographs/Chapters/ Others: 2

1. Shashidhar R “An Ameliorated Methodology to Predict Diabetes Mellitus using Random Forest” Book title “Data science and Data Analytics: Opportunities and Challenges” CRC Press (In Press).

Online courses completion by faculty

Attended one day Virtual workshop on IEEE Signal Processing Society Forum on Image and Video Signal Processing organized by IEEE Signal Processing Society and IEEE Bangalore Section on March 27th 2021.