SAHRDAYA COLLEGE OF ENGINEERING & TECHNOLOGY

EDUCATION IS DEDICATION

AESON ACTIVITIES REPORT

DEPARTMENT OF EEE

2019 – 2020

AESON ACTIVITIES-2019-20

1. EEE Department has signed an MOU with CADCENTER, Indian Educational Enterprises (P) Ltd, Kodungallur on 30/07/2019.

1. EEE Department conducted Led bulb making workshop at St. George HSS Pariyaram as a part of NSS camp on 28/9/2019.

1. EEE Department in association with KSEB officer's association conducted college level (Level I) competition of power quiz 2019 at Sahrdaya College of Engineering & Technology, Kodakara on 03/10/2019.

1.   EEE Department conducted a Technical talk on the topic, "Lighting Design/ECAD" for S7 EEE students on 02/11/2019 by CADDPRO Training Center.

1.   EEE department conducted a Quiz Competition for all students on 23/10/2019 in connection with World Development Information Day at 3PM in Room No. 107, Decennial block.

1.   EEE department conducted a workshop on "Piccolo Microcontroller and its applications" for S4 EEE students on 23/01/2020 during 1 pm – 4 pm by MC Technologies.

1.   EEE department conducted a 5 day hands-on training on Autocad 2D for S8 EEE (2016 admn) students by CADCENTRE Kodungallur.

1.   EEE department conducted a Technical Talk on "Electrical Design & Drafting" for S8 EEE (2016 admn) students on 18/2/2020 by Mr Akhileshkumar C, Grade A Electrical Supervisor MTTC International LLC, Ernakulam.

FACULTY EXCELLENCE

● Mr Shimin V V, Assistant Professor, EEE Department published a paper, "Vector Control Based Regenerative Braking for Induction Motor Driven Battery Electric Vehicles" in International Journal of Power and Energy Systems, 40(3). (**SCI**)

● Mr Shimin V V, Assistant Professor, EEE Department published a paper, "Energy Based Equivalent Circuit Modelling of Ultracapacitor Considering Variation of ESR with OCV" in International Journal of Power and Energy Systems, 40(2). (**SCI**)

●Mr Shimin V V, Assistant Professor, EEE Department become Associate Member in "THE INSTITUTION OF ENGINEERS (INDIA)" (AM1881380).

● Ms Ashna Mohan, Assistant Professor, EEE Department has successfully completed, "Programming for Everybody (Getting Started with Python)", an online non-credit course authorized by University of Michigan and offered through Coursera on 21/04/2020.

●Ms Ashna Mohan, Assistant Professor, EEE Department has successfully completed, "Learning How to Learn: Powerful mental tools to help you master tough subjects", an online non-credit course authorized by McMaster University and University of California San Diego and offered through Coursera on 20/4/2020.

● Ms Ashna Mohan, Assistant Professor, EEE Department has successfully completed,"AI for Everyone", an online non-credit course

authorized by deeplearning.ai and offered through Coursera on 24/4/2020.

- Ms Ashna Mohan, Assistant Professor, EEE Department has attended a webinar on "Smart Grid Technology and its Opportunities" organized by EEE Dept, Jyothi college of engineering in association with Indian Society for Technical education (ISTE), on 26 June, 2020.
- Ms Ashna Mohan, Assistant Professor, EEE Department has attended a webinar on "Digital Control of Grid-Tied Converters" organized by IEEE PES SBC Saintgits college of engineering in association with IEEE, on 26 June, 2020.
- Ms Drisya K Sasi, Assistant Professor, EEE Department completed an online course on "Introduction to Programming with MATLAB", an online non-credit course authorized by Vanderbilt University and offered through Coursera on 8th May 2020.
- Ms Drisya K Sasi, Assistant Professor, EEE Department participated in a webinar "The Role of Digital Libraries in online Learning Environment During the Pandemic" organized by Sahrdaya College of Engineering & Technology Kodakara on 24/06/2020.
- Ms Drisya K Sasi, Assistant Professor, EEE Department attended a webinar on "Power Electronics for Renewable Energy" conducted on 25/06/2020 by Basaveshwar Engineering College, Bagalkot in collaboration with IEEE PES.
- Mr Abhijith R Prasad, Assistant Professor, EEE Department attended webinar on "Power Electronics and the world of Sinusoids"held on 4th June 2020 by IEEE SB College of Engineering Aranmula.
- Mr Abhijith R Prasad, Assistant Professor, EEE Department, is selected as Single point of contact(SPOC) of Smart India Hackathon 2020 of Sahrdaya College of Engineering and Technology
- Mr Abhijith R Prasad, Assistant Professor, EEE Department has attended webinar on "Global Trends in EV Power train" held on 14th May 2020 by IEEE SB College of Engineering Aranmula.
- Mr Abhijith R Prasad, Assistant Professor, EEE Department has attended webinar on "Basics of Wind Energy Conversion" held on 8th May 2020 by IEEE SB College of Engineering Aranmula.
- Mr Abhijith R Prasad attended training program of Reboot Kerala Hackathon 2020 on 7/11/2019.
- Mr Abhijith R Prasad published a paper, "Design & Modelling of Thermal Energy Harvesting System for Power Transformer" in proceedings of International Conference for Convergence in Technology.
- Ms Neethu John, Assistant Professor, EEE Department has successfully completed, "Programming for Everybody (Getting Started with

Python)", an online non-credit course authorized by University of Michigan and offered through Coursera on 25/04/2020.

- Ms Neethu John, Assistant Professor, EEE Department has attended webinar on "Role of 3D printing in Covid -19 pandemic conducted by IEEE chapter of NIT,Waragal on 21-05-2020.
- Ms Neethu John, Assistant Professor, EEE Department has attended a webinar on Design of PV Systems for Domestic Consumers organized by Ahalia School of Engineering and Technology, Palakkad on 21-05-2020.
- Ms Neethu John, Assistant Professor, EEE Department has successfully completed 3 day webinar on Industrial Instrumentation & Automation conducted by Muthoot college of engineering & technology from 08/06/2020 to 10/06/2020.
- Ms Neethu John, Assistant Professor, EEE Department has attended a webinar on "Smart Grid Technology and its Opportunities" organized by EEE Dept, Jyothi college of engineering in association with Indian Society for Technical education (ISTE), on 26 June, 2020.
- Mr Sebin Davis K, HOD, EEE Department received a funding of Rs 2 lakh from KSUM to develop a semi automatic Banana slicer idea.
- Mr Sebin Davis K, Ms Ashna Mohan & Ms Merry Mathew of EEE Department attended MathWorks Training Course.
- Dr. V. Vijikala, Associate Professor, EEE Department published a paper, "A Novel Decision support system for Malignant Tumor using 3D Reconstruction and Volumetric analysis", Journal of Research in Dynamical & Control systems Vol 12, No. 3 2020.
- Dr. V. Vijikala, Associate Professor, EEE Department published a paper, "Early detection and classification of breast tumor from mammogram images", International journal of Psychosocial Rehabilitation ISSN : 1475 - 7192, Vol 24, Issues 3 2020.
- Dr. V. Vijikala, Associate Professor, EEE Department has attended a Webinar on 'How to be an Excellent Online Tutor' by UNITEUP on 21st May 2020.

STUDENT ACHIEVEMENTS

- Delbin K Biju & Harikrishnan K B S6 EEE presented a paper on "Power System Resilience Strategies in Kerala Perspective" in the District level Seminar Competition organized by the KSEB Engineers' Association on 19/2/2020.
- Alwin Anto & Shyamkrishna A S of S8 EEE presented a paper on "Power System Resilience Strategies in Kerala Perspective" in the District level Seminar Competition organized by the KSEB Engineers' Association on 19/2/2020.
- Delbin K Biju of S6 EEE has attended Electrical Engineering & Associated Streams Session as a part of second edition of Professional Students' Summit held at CUSAT, Kalamassery on 15/2/2020.
- Melwin Davis of S4 EEE has attended Electrical Engineering & Associated Streams Session as a part of second edition of Professional Students' Summit held at CUSAT, Kalamassery on 15/2/2020.
- Aveens Varghese & Fresy Mariya Francis of S6 EEE has attended International Conclave on Industrial Revolution 4.0, organized by ICT Academy of Govt. of Kerala at GEC Thrissur on 06/3/2020 & 07/3/2020.
- Navya Mohan of EEE 2018 - 2022 batch was awarded the **Best Academic Performer Award** among all colleges of Thrissur district by UIT group international.
- Geo Joy & Ashik.K.S of S7 EEE got selected to shuttle badminton University team.
- Abhay Ramesh & Ananya Menon of S3 EEE passed NPTEL course on Introduction to C Programming.
- Delbin K Biju & Alwin Anto of EEE Department, participated in district level (Level II) competition of power quiz 2019 organized by KSEB officer's association.
- Fresy Mariya Francis of S5 EEE passed NPTEL course on Developing Soft skills & Personality & got Elite Certificate with 90%.