

KONGU ENGINEERING COLLEGE CAMPUS R&D NEWS



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PH.D VIVA-VOCE COMPLETED

- 1. Mr.C.Naveen, Research Scholar, Department of Mechatronics Engineering defended his thesis entitled "Experimental investigations on electro hydraulic servo system using iterative learning controller" on 10.08.2023 under the guidance of Dr.B.Meenakshipriya / MTS.
- 2. Mr.M.Sabarimuthu, Research Scholar, Department of EEE defended his thesis entitled "Design and development of MS-CCCV-CT algorithm based fast and hybrid charger for lithium-ion battery in light weight electric vehicles" on 08.08.2023 under the guidance of Dr.N.Senthilnathan / EEE.
- Mr.D.Sarathkumar, Research Scholar, Department of EEE defended hs thesis entitled "Investigations on mixed adsorbents to recover aged transformer oil for the power and distribution transformers" on 08.08.2023 under the guidance of Dr.M.Srinivasan / EEE.
- 4. Mr.N.Vadivel, Research Scholar, Department of Mechanical Engineering defended his thesis entitled "Experimental investigation and exergy analysis of a homogeneous charge compression ignition engine fueled natural gas and diethyl ether and a dual fuel engine" on 10.08.2023 under the guidance of Dr.R.Rajasekar (RC) / Mechanical.
- Mr.T.Manikandan, Research Scholar, Department of EEE defended his thesis entitled "Certain investigations on detection of emphysema using multi scale residual network classifier" on 08.08.2023 under the guidance of Dr.S.Maheswari / EEE.
- 6. Mr.R.R.Thirrunavukkarasu, Research Scholar, Department of ECE defended his thesis entitled "Certain investigations on ECG signal denoising arrhythmia detection and classification using hybrid classifiers" on 09.08.2023 under the guidance of Dr.T.Meeradevi / ECE.
- 7. Ms.T.Shanmugapriya, Research Scholar, Department of CSE defended her thesis entitled "Node mobility and energy management in wireless sensor network" on 25.08.2023 under the guidance of Dr.K.Kousalya / CSE.

R&D PROJECTS SACTIONED (2023-2024)

- 1. Dr.S.Anandakumar/Civil, received research grant of Rs.3,00,000/- for the project entitled "Development of track maintenance model for metro rail system" under TNSCST-RFRS scheme on 27.04.2023, File No. TNSCST/RFRS/E&T/VR/05/2020-21.
- 2. Dr.N.Muralidharan/MTS, Dr.S.K.Thangarasu/MTS, Dr.A.Shanmugam/MTS received research grant of Rs.18,19,000/- for the project entitled "Machinability and surface intergrity investigation in CNC-wire cut electrical discharge turning (WEDT)" under CSIR-R&D scheme on 14.07.2023, File No. 22/0871/23/EMR-II.
- 3. Dr M Mohanasundari/MBA, Dr P Vidhya Priya/MBA, Dr P Sudharesalingam/ MBA, Ms M Dharshne/MBA received research grant of Rs 7,50,000/- for the project entitled "Entrepreneurial Ecosystem The Effectiveness of Stand-up India in promoting women and SC/ST owned Business in Tamil Nadu" under ICSSR Collaborative Research Grant Scheme.
- 4. Dr S Padmavathy/MBA, Dr S Maheswari/EEE, Dr M Sivachitra/EEE, Mr SK Logesh/EEE received research grant of Rs 6,00,000/- for the project entitled " An Empirical Study on Jan Aushadhi Yojanas Reach and Socio Economic Impact in selected areas of Tamilnadu" under ICSSR Collaborative Research Grant Scheme.

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- 3. Boobala Krishnan, K.V., Nirmalkumar, K., Sampathkumar, V., and Murugan. P.C., (2023). Experimental analysis of treated waste foundry and waste ceramics sand by replacement of fine aggregate in concrete. *Journal of Ceramic Processing Research*, Vol.24(4), pp.714-722.
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- 10. Chavan, S., Selvaraj, M., Prabakaran, R., Dhamodharan, P., and Kim, S.C., (2023). Melting of N-eicosane-based composite phase change materials for thermal energy storage application: A computational analysis in a square cavity. *Journal of Energy Storage*, Vol.72, p.108583.
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ADDRESS FOR COMMUNICATION

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