



KONGU ENGINEERING COLLEGE

CAMPUS R&D NEWS



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PH.D VIVA-VOCE COMPLETED

1. Mr.M.Karthikeyan, Research Scholar, Department of Electrical and Electronics Engineering defended his thesis entitled "Certain investigations on resource management and pollution reduction in textile waste water treatment using industry 4.0 enabling technologies" on 07.05.2024 under the guidance of Dr.S.Vijayachitra / EIE.

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 integrity 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.8,06,250/- 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 on 29.09.2023, F.No.226/CRP-2023-2122/SUI/SCD.
4. Dr.S.Padmavathy/MBA, Dr.S.Maheswari/EEE, Dr.M.Sivachitra/EEE, Mr.S.K.Logesh /EEE received research grant of Rs.6,45,000/- 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 on 03.10.2023, F.No.188/CRP-2023-2120/AB/SCD.
5. Dr.T.Logeswaran/EEE, Dr.A.Sheela/EEE, Dr.V.Krishnamoorthy/MBA received research grant of Rs.8,83,000/- for the project entitled "Environmental impacts of FASTAG adoption: A comprehensive analysis of fuel conservation and carbon

emission reduction at toll plazas in India" under ICSSR Minor Research Project Scheme on 22.12.2023, F.No. ICSSR/RPD/MN/2023-24/OBC/43.

6. Dr.A.Tamilvanan/Mechanical received research grant of Rs.18,30,000/- for the project entitled "Investigation on the feasibility of human faces biogas as a secondary fuel for biodiesel fuelled diesel engine under the RCCI strategy" under SERB-TARE Scheme on 09.01.2024, F.No. TAR/2023/000388.
7. Dr.K.Nirmaladevi/CSE, Dr.Vani Rajasekar/CSE, Dr.S.Shanthi/CSE received research grant of Rs.8,64,000/- for the project entitled "Development of AI-enabled deep learning models for cyberbullying detection in online social media and its impact on the quality of life among students" under ICSSR Minor Research Project Scheme on 02.02.2024, F.No. ICSSR/RPD/MN/2023-24/OBC/80.
8. Dr.M.Harikrishnan/Maths, Dr.K.V.Tamilselvi/Maths, Ms.K.V.Udayanatchi/Maths received research grant of Rs.2,53,720/- for the project entitled "Development of new fuzzy filters for the removal of linear and non-linear noises in defence satellite SAR images" under DRDO-R&D Project Scheme on 07.05.2024, F.No. ERIP/ER/202312005/M/01/1856.

REFERRED JOURNAL PUBLICATIONS

1. Umaeswari, P., Jyothi, B.V., King, G.G., Patil, T., and Gukendran, R., (2024). Development of Innovative Algorithm for Sound Detection Based on FFT and Goertzel Algorithms. *2nd International Conference on Intelligent Data Communication Technologies and Internet of Things (IDCIoT)*, pp.221-228, IEEE.
2. Hari, B.S., Yeasigan, S.K., Tharan, S.T., and Pranav, D.T., (2024). Tractor drawn turmeric harvester. *7th International Conference on Computing in Engineering & Technology (ICCET 2022)*, Vol.2022, pp.195-198, IET.
3. Kalpana, S., Babu, K.G., Padmavathi, T.V.N., Sharma, B., Hari, B.S., and Sudha, M., (2024). The Fusion of AI, IoT, and Agricultural Sensors for Self-Sustaining Agro-Technological Ecosystems: Industry 5.0. *In Convergence of Human Resources Technologies and Industry 5.0*, pp.274-299, IGI Global.
4. Revathi, B., Hamsa, S., Shaik, N., Satpathy, S.K., Hari, B.S., and Myilsamy, S., (2024). Development of Artificial Intelligence of Things and Cloud Computing Environments Through Semantic Web Control Models. *In Emerging Technologies for Securing the Cloud and IoT*, pp.112-143, IGI Global.

5. Raju, J.S., Ganesh, A., Muralidharan, M., and Raghavan, V., (2024). Design and analysis of a system to block reverse flow of blood in intravenous line. *7th International Conference on Computing in Engineering & Technology (ICCET 2022)*, Vol.2022, pp.199-203, IET.
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8. Sivakumar, N., Sireesha, S., Raja, S., and Ravichandran, P., (2024). Statistical Analysis on Wear Behavior of Aluminum Alloy2024–Silicon Carbide–Fly Ash Metal Matrix Composites. *SAE Technical Paper 2024-01-5058*.
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ADDRESS FOR COMMUNICATION

Research & Development Cell
Kongu Engineering College
Perundurai 638060, TamilNadu, INDIA
rnd@kongu.ac.in