



KONGU ENGINEERING COLLEGE

CAMPUS R&D NEWS



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PH.D VIVA-VOCE COMPLETED

1. Mr.S.Ajay, Research Scholar, Department of Mechanical Engineering defended his thesis entitled "Investigation on the combustion performance and mission characteristics of CI engine fuelled with multi alcohol-diesel blends - An approach towards optimization and economic" on 23.02.2024 under the guidance of Dr.P.Saji Raveendran (RC) / Mechanical.
2. Ms.D.Deepa, Research Scholar, Department of Computer Application defended her thesis entitled "Enhancing pre-trained language model representation with context aware embedding and pragmatic for sentence level sentiment classification" on 02.02.2024 under the guidance of Dr.A.Tamilarasi / MCA.
3. Mr.A.Kalyana Saravanan, Research Scholar, Department of Computer Application defended her thesis entitled "Performance analysis on machine learning techniques for sparse and densely distributed big data analytics" on 14.02.2024 under the guidance of Dr.A.Tamilarasi / MCA.
4. Mr.E.Balraj, Research Scholar, Department of Information Technology defended his thesis entitled "Performance enhancement of multibiometric authentication system using score level fusion" on 02.02.2024 under the guidance of Dr.T.Abirami / IT.
5. Ms.Radhakrishnan Sujatha, Research Scholar, Department of Information Technology defended her thesis entitled "An ensemble approach based on intelligent networks for user personalization of context aware data" on 23.02.2024 under the guidance of Dr.T.Abirami / IT.
6. Mr.M.Gunasekarn, Research Scholar, Department of Chemistry defended her thesis entitled "Experimental and theoretical studies of the efficiency of several antimicrobials on preventing mild steel corrosion in an acid environment" on 23.02.2024 under the guidance of Dr.P.Srinivasan / Chemistry.

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.

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1. Keerthana, T., Nirmalkumar, K., Sampathkumar, V., and Selvakumar, S., (2024). Experimental Studies on the Behavior of the Fiber Reinforced Concrete Blended with Admixtures. *AIP Conference Proceedings*, Vol.2986, p.020028.
2. Ganesh Prabhu Ganapathy., Shanmuga Priya Kaliyappan., Venkada Lakshmi Ramamoorthy., Sethuraman Shanmugam., Abeer AlObaid., Ismail Warad., Sampathkumar Velusamy., Aravindan Achuthan., Hemavathi Sundaram., Mohanavel Vinayagam., and Vivek Sivakumar., (2024). Low alkaline vegetation concrete with silica fume and nano-fly ash composites to improve the planting properties and soil ecology. *Nanotechnology Reviews*, Vol.13, p.20230201.
3. Navaneethan, K.S., Anandakumar, S., Pavithran, T., Sowmiya, M., Moulieswar, T., Manoj, K.S., and Thiyaneswaran, M.P., (2024). Review on Repairing of Structural Members with Fiber Reinforced Polymer Composites. *AIP Conference Proceedings*, Vol.2986, p.020010.
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5. Rajeswaran, S.S., Govindasamy, K., Selvaraj, P., and Rajaram, K., (2024). Experimental study on heat transfer characteristics of dimpled surface Thermosyphon with Al₂O₃ nanofluid. *Thermal Science*, Vol.(1), pp.347-356.
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12. Manjula Devi Ramasamy., Keerthika Periasamy., Suresh Periasamy., Suresh Muthusamy., Ponarun Ramamoorthi., Gunasekaran Thangavel., Sreejith Sekaran., Kishor Kumar Sadasivuni., and Mithra Geetha., (2024). A novel Adaptive Neural Network based Laplacian of Gaussian (AnLoG) classification algorithm for detecting diabetic retinopathy with colour retinal fundus images. *Neural Computing and Applications*, Vol.36(7), pp.3513-3524.
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