KONGU ENGINEERING COLLEGE

CAMPUS R&D NEWS

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PH.D VIVA-VOCE COMPLETED

1. Mr.S.Mohan, Research Scholar, Department of Electronics and Communication Engineering defended his thesis entitled “A certain investigation on segmentation of psoriasis skin images using CNN based optimization algorithm” on 07.10.2024 under the guidance of Dr.N.Kasthuri / ECE.
2. Mr.A.Ananthakumar.Raja, Research Scholar, Department of Civil Engineering defended his thesis entitled “Performance evaluation of steel-concrete-steel sandwich light beams with cold-formed channel shear connectors” on 08.10.2024 under the guidance of Dr.S.Balaji / Civil.
3. Mr. A.Raymon, Research Scholar, Department of Electrical and Electronics Engineering defended his thesis entitled “Investigations on pongamia oil-based dielectric fluid as a sustainable solution for power and distribution transformers” on 09.10.2024 under the guidance of Dr.M.Srinivasan / EEE.
4. Mr.S.Thangavel, Research Scholar, Department of Mechatronics Engineering defended his thesis entitled “A study in TIG weld quality monitoring based on weld TIP degradation rate using machine learning algorithms” on 14.10.2024 under the guidance of Dr.C.Maheswari / MTS.
5. Mr.M.Suresh, Research Scholar, Department of Electrical and Electronics Engineering defended his thesis entitled “Investigation of critical dielectric properties of neem oil for distribution transformer applications” on 14.10.2024 under the guidance of Dr.M.Srinivasan / EEE.
6. Ms.B.Narmada, Research Scholar, Department of Information Technology defended his thesis entitled “Enhancing personal health record security using decentralized blockchain based techniques in big data” on 14.10.2024 under the guidance of Dr.S.Varathaganapathy / IT.
7. Ms.B.Sharmila, Research Scholar, Department of Electronics and Instrumentation Engineering defended his thesis entitled “Performance enhancement of secure data transfer in IoT using blockchain technology” on 14.10.2024 under the guidance of Dr.T.Kalavathi Devi / EIE.
8. Mr.M.Raja, Research Scholar, Department of Electronics and Instrumentation Engineering defended his thesis entitled “Certain investigations on detection and classification of brain anomaly from MRI images using deep learning” on 15.10.2024 under the guidance of Dr.S.Vijayachitra / EIE.
9. Ms.S.Vijayashanthy, Research Scholar, Department of Civil Engineering defended his thesis entitled “Probabilistic monitoring and evaluation of intrinsic emissions form solid waste landfills in erode city using machine learning algorithms” on 15.10.2024 under the guidance of Dr.V.Sampathkumar (RC) / Civil.
10. Mr.K.Srinivasan, Research Scholar, Department of Management Studies defended his thesis entitled “Investor buying behaviour towards stock market with reference to salem district in Tamilnadu: A study” on 15.10.2024 under the guidance of Dr.P.Karthikeyan / MBA.
11. Ms. S.Vaishnavi, Research Scholar, Department of Chemical Engineering defended his thesis entitled “Comparative studies on phytoremediation of chromium (Cr(VI)) wastewater using elodea canadensis and canna indica in constructed wetland” on 22.10.2024 under the guidance of Dr.V.Sangeetha / Chemical.

R&D PROJECTS SACTIONED (2024-2025)

1. Ms.S.Mohana Saranya/CSE, received research grant of Rs.1,50,000/- for the project entitled "Tomatix: Revolutionizing Crop Planning and Market Intelligence" under AICTE- Tomato Grand Challenge Scheme on 10.06.2024, F.No.M/954/2024-US C1/1/16.
2. Dr.N.Prakash/MBA, Dr.V.Vaishnavi/MBA, Dr.P.Sivaranjani/ECE, Dr.P.Karthikeyan/MBA received research grant of Rs.7,50,000/- for the project entitled "Implementation of Blockchain Technology to Enhance Transparency, Traceability and Quality Assurance in the Supply Chain of South Indian Agriculture Industries" under ICSSR-R&D Scheme on 20.09.2024, F.No.162/VVB@20247/2024-2802/NR&RD-A/SCD.
3. Dr.M.Joseph Auxilius Jude/ECE, received research grant of Rs.3,00,000/- for the project entitled "Robust end-to-end congestion control algorithm for vehicular internet computing" under TNSCST-RFRS Scheme on 17.06.2024, F.No.TNSCST/RFRS/06/ VM2022-23/16395.

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1. Mukesh, T.S., Kulanthaivel, P., Kavya Ravichandran., and Madhvan Dhanasekar., (2024). Enhancing the performance of ECC through chemically treated Jute fibre reinforcement. *Asia-Pacific Journal of Science and Technology*, Vol.29(5), Article ID: APST-29-05-11.
2. Vishnuvardhan, K., Rajkumar, R., Navin Ganesh, V., and Sakthiprasanth, K., (2024). Neural-network-driven approach in optimization of municipal solid waste collection integrated with geo-spatial techniques. *Global NEST Journal*, Vol 26(9), p.06187.
3. Viswanathan Kinipalayam Eswaran., Senthilkumar Veerasamy., Pradeep Thirumoorthy., and Sampathkumar Velusamy., (2024). Effect of Harvesting Time on Biomass and Combustion Quality of Miscanthus lutarioriparius in Dongting Lake Area. *Solid Fuel Chemistry*, Vol.58(6), pp.508-521.
4. Priyanka, E.B., Thangavel, S., Mohanasundaram, R., and Anand, R., (2024). Solar powered integrated multi sensors to monitor inland lake water quality using statistical data fusion technique with Kalman filter. *Scientific Reports*, Vol.14(1), p.25202.
5. Maheswari, C., Suresh, R., and Baskar, R., (2024). Mechanical and statistical pathway for the experimental investigation of the dairy industry effluent using non-thermal plasma. *Desalination and Water Treatment*, Vol.320, p.100749.
6. Suganeswaran, K., Gobinath, V.K., and Vaishak, K., (2024). Advancing Vehicle Safety: An Automated Emergency Air-Filling System for Tyre Maintenance. *Proceedings of the International Conference on Advancements in Materials, Design and Manufacturing for Sustainable Development*.
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13. Priyanka, E.B., Thangavel, S., Hasso, E. and Jose, A.A., Sustainable Business Growth of Inland Aquaculture on the Promotion of Global Partnership using Canvas Model. *In Sustainable Development Goals*, pp.302-319.
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33. Shanthi, R., Venkatesh, R., Sankari, C., Manimaran, V., and Basha, S.H., (2024). Enhancing Remote Sensing Image Classification using Arithmetic Optimization Algorithm with Deep Learning Approach. *Second International Conference on Advances in Information Technology (ICAIT)*, pp.1-6.
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