



KONGU ENGINEERING COLLEGE

CAMPUS R&D NEWS



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PH.D VIVA-VOCE COMPLETED

1. Mr.K.Manoj Senthil, Research Scholar, Department of Electronics and Communication Engineering defended his thesis entitled “Certain investigations on the performance analysis of lung tumor detection system” on 07.06.2023 under the guidance of Dr.T.Meeradevi / ECE.
2. Mr.M.S.Maharajan, Research Scholar, Department of Information Technology defended his thesis entitled “Improved hybrid swarm intelligence technique to enhance wireless sensor network data aggregation and routing” on 12.06.2023 under the guidance of Dr.T.Abirami / IT.
3. Ms.K.Tamil Selvi, Research Scholar, Department of Computer Applications defended her thesis entitled “Analysis and improvement of traffic prediction in software defined networking” on 16.06.2023 under the guidance of Dr.R.Thamilselvan / MCA.
4. Mr.S.Mothil, Research Scholar, Department of Food Technology defended his thesis entitled “Studies on biomass conversion into useful products” on 21.06.2023 under the guidance of Dr.V.Chitra Devi / Food Technology.

R&D PROJECTS SACTIONED (2022-2023)

1. Mr.M.S.Kamalesh / EEE received research grant of Rs.17,39,024/- for the project entitled “Design of a paddle based auxiliary charging circuit for E-bikes in left-out situation” under SERB-SIRE scheme on 23.08.2022, Ref. SIR/2022/000778.
2. Dr.R.Parameshwaran/MTS, Dr.S.M.Senthil/Mechanical and Dr.S.Praveenkumar /MTS received research grant of Rs.1,27,84,315/- for the project entitled “Development of intelligent powder-based 3D metal printer with integrated post-processing unit and industry 4.0 features” under DST-TDT-AMT scheme on 04.10.2022, Ref. DST/TDT/AMT/2021/013(G).
3. Dr.A.Santhoshkumar / Mechanical received research grant of Rs.18,30,000/- for the project entitled “Effective conversion of medical and municipal plastic wastes into

value added products through integrated thermo-chemical reactors and its kinematic study and life cycle assessment” under SERB-TARE scheme on 24.11.2022, Ref. TAR/2022/000608.

4. Dr.S.V.Kogilavani/AI, Dr.S.Malliga/CSE, Dr.C.S.Kanimozhiselvi/AI and Ms.P.Jayadharshini/AI, received research grant of Rs.19,66,880/- for the project entitled “Study and development of a tool for Alzheimer's dementia detection from impulsive emotions, speech and language using transfer learning based deep neural network techniques” under ICMR-DHR scheme on 01.02.2023, Ref. F.No.R.11012/03/2023-GIA/HR.
5. Dr.S.Shankar/MTS, Dr.R.Naveenkumar/Mech and Dr.R.Nithyaprakash/MTS, received research grant of Rs.14,81,880/- for the project entitled “Investigating the impacts of chronic noise exposure on cognitive neuro-ergonomics on the performance and hearing impairments among the various power loom industry workers of Tamilnadu” under ICMR-DHR scheme on 23.02.2023, Ref. F.No.11013/17/2023-GIA/HR.
6. Dr.K.Dinesh/CSE, Dr.K.Kousalya/CSE and Mr.B.Krishnakumar/CSE received research grant of Rs.4,27,000/- for the project entitled “Impact of mobile phone and internet on education in terms of academic performance of students: Detailed study” under ICSSR-MRP scheme on 10.03.2023, File No.02/58/2022-23/RP/MN.
7. Dr.C.Maheswari/MTS, received research grant of Rs.87,000/- for the project entitled “Design and fabrication of light weight wearable upper limb assistive device for children with autism” under IE(I) – R&D Project scheme on 23.03.2023, File No. R.6/2/DR/2022-23/DR2023007.
8. 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.

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1. Thiyaneswaran, M.P., Nirmalkumar, K., Sampathkumar, V., and Karthikeyan, S., (2023). Experimental analysis on replacing cement in high strength concrete beam with Silica Fume, Steel Fibre and Recron Fibre. *Journal of Environmental Protection and Ecology*, Vol.24(3), pp.809-819.
2. Palaniappan Prasath., Balaji Shanmugam., and Paul Awoyera., (2023). Behaviour of Stainless-Steel Fibre-Reinforced Exterior Beam-Column Joints under Reverse Cyclic Loading. *Advances in Civil Engineering*, Vol.2023, Article ID: 7382626.

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