



KONGU ENGINEERING COLLEGE

CAMPUS R&D NEWS



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PH.D VIVA-VOCE COMPLETED

1. Ms.G.Kalaiarasi, Research Scholar, Department of Electrical and Electronics Engineering defended her thesis entitled “Design and development of deep proximal support vector machine based filtering and classification technique for hyper special image datasets” on 20.05.2022 under the guidance of Dr.S.Maheswari / EEE.
2. Ms.T.Mrunalini, Research Scholar, Department of Electronics and Instrumentation Engineering defended her thesis entitled “Certain investigations on drug transport in-vitro model for skin cancer therapy and endosment of graphene in biosensing platform for cancer therapeutics” on 31.05.2022 under the guidance of Dr.R.Rajasekar / Mechanical.

R&D PROJECTS SACTIONED (2021-2022)

1. Dr.S.Albert Alexander / EEE, Dr.S.Shankar / MTS, Dr.M.Srinivasan / EEE and Mr.D.Sarathkumar / EEE received research grant of Rs. 28,65,200/- for the project entitled “Design and development of solar photovoltaic assisted micro-grid architecture with improved performance parameters intended for rural areas” under DST- TMD-WCE scheme on 03.06.2021, Ref. No.DST/TMD/CERI/RES/2020/32/(G).
2. Dr.V.Chitra Devi / FT, Mr.S.Mothil / Chemical and Mr.R.Sathish Raam / Chemical received research grant of Rs. 1,07,09,518/- for the project entitled “Design and development of continuous high pressure screw reactor for Alkali catalyzed hydrothermal co-liquefaction of plastic wastes with lignocellulosic biomass” under DST-TDT-WMT scheme on 01.07.2021, Ref. No. DST/TDT/WMT/Plastic Waste/2021/08[G].
3. Dr.G.S.Rampradheep / Civil received travel grant of Rs.2,00,000/- for the project “Grant for study tour of ATAL tunnel under the AICTE youth undertaking visit for acquiring knowledge (Yuvak) scheme” with students under AICTE scheme on 19.08.2021, Ref. No. STDC-AICTE-ST-AT/266/2020-2021/37.

4. Dr.S.Shankar / MTS, Dr.S.Albert Alexander / EEE, Dr.R.Naveenkumar / Mechanical received research grant of Rs.18,00,000/- for the project entitled “Investigation of cotton dust exposure and indoor air quality on the pulmonary health among the textile workers of Tamilnadu” under ICMR Adhoc R&D Project scheme on 22.12.2021, Ref No 5/8-4/30/Env/2020-NCD-II.
5. Dr.V.K.Gobinath / MTS received research grant of Rs.18,30,000/- for the project entitled “Development of long term sustainable 3D printed gahnite - glass cover sheet to attain efficient polycrystalline solar cell performance” under SERB TARE scheme on 21.12.2021, Ref. No. TAR/2021/000173.
6. Dr.A.Mohankumar / Mechanical received research grant of Rs.18,30,000/- for the project entitled “Study of Self-powered one piece wearable Tribo-Electric Nano Generator with different contact modes” under SERB TARE scheme on 04.01.2022, Ref. No.TAR/2021/000235.
7. Dr.S.M.Senthil / Mechanical received research grant of Rs. 39,89,708/- for the project entitled “Development of automated fixture for friction stir welding of defence grade AA5083/AA7075 pipes” under DST_TDT-AMT scheme on 09.02.2022, Ref.No.DST/TDT/AMT/2021/008(G), DST/TDT/AMT/2021/008(C)
8. Dr.S.Shanthi / CSE, Dr.K.Nirmaladevi / CSE, Dr.N.Krishnamoorthy / CSE received research grant of Rs. 9,14,333/- for the project entitled “Design and development of AI powered deep learning model for COVID-19 identification, diagnosis and prediction of outbreak management” under AICTE-RPS scheme on 18.02.2022, Ref. No. 8-80/FDC/RPS/POLICY-1/2021-22.
9. Dr.P.Karthikeyan / MBA, Dr.P.Sivaranjani / ECE, Dr.N.Prakash / MBA, Dr.S.Praveenkumar / MTS received research grant of Rs. 6,00,000/- for the project entitled “Enhancement of Education Towards Sustainability, Innovation, Performance and Delivery through Academia-Industry Partnership” under ICSSR-Research Project (Major) scheme on 14.03.2022, Ref. No. Gen-18/2021-22/ICSSR/RP.

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1. Arumugam, K., Elangovan, K., Karthika, T., Sangeetha, R.K., and Vikashini, R., (2022). Geochemical Modeling of Groundwater in Tirupur Region, Tamil Nadu, India. *Lecture Notes in Civil Engineering - Climate Change and Water Security*, Vol.178, pp.435-446.
2. Mukesh, T.S., Kulanthavel, P., Naveenkumar, A., and Ramesh, K., (2022). Comparative Analysis on Mechanical Properties of Polymer Concrete by using Various Lightweight Aggregates. *Material Research Forum*, Vol.23, pp.297-303.

3. Mukesh, T.S., Kulanthaivel, P., Gowthaman, G., and Hariharan. J., (2022). Study on Physical and Mechanical Properties of Porous Concrete using Recycled Concrete Aggregate. *Material Research Forum*, Vol.23, pp.304-310.
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