



PH.D VIVA-VOCE COMPLETED

1. Mr.S.Meivel, Research Scholar, Department of EEE defended his thesis entitled “Design and development of remote sensing crop monitoring system using vegetation indices” on 09.01.2023 under the guidance of Dr.S.Maheswari / EEE.
2. Mr.P.Rajendren, Research Scholar, Department of MCA defended his thesis entitled “An enhanced approach towards privacy preserving collaborative spam detection using email layout abstraction” on 12.01.2023 under the guidance of Dr.A.Tamilarasi / MCA.
3. Ms.Priyanka Prabhakaran, Research Scholar, Department of Civil Engineering defended her thesis entitled “Development of preventive track maintenance model for Indian metro rail using machine learning approach” on 13.01.2023 under the guidance of Dr.S.Anandakumar / Civil.
4. Ms.V.Yamuna, Research Scholar, Department of Mathematics defended her thesis entitled “A study on fuzzy incidence coloring of graphs” on 19.01.2023 under the guidance of Dr.K.Arunprakash / Mathematics.
5. Ms.K.Radhika, Research Scholar, Department of Mathematics defended her thesis entitled “A study on pentagonal intuitionistic fuzzy numbers in optimization and decision making environment” on 20.01.2023 under the guidance of Dr.K.Arunprakash / Mathematics.
6. Mr.C.Rajesh Kannan, Research Scholar, Department of CSE defended his thesis entitled “A study and analysis of inundation mapping and social media data for developing flood prediction models using machine learning approaches” on 20.01.2023 under the guidance of Dr.S.V.Kogilavani / CSE.
7. Ms.C.Sharmila, Research Scholar, Department of CSE defended her thesis entitled “A certain investigation on glaucoma detection using deep learning algorithms” on 23.01.2023 under the guidance of Dr.N.Shanthi / CSE.

8. Mr.M.Ruban Gladwin, Research Scholar, Department of ECE defended his thesis entitled “A certain investigation on S-box design with hybrid energy recovery logic for IoT applications” on 30.01.2023 under the guidance of Dr.N.Kasthuri / ECE.

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.

REFERRED JOURNAL PUBLICATIONS

1. Subbarayan Saravanan., Leelambar Singh., Subbarayan Sathiyamurthi., Vivek Sivakumar., Sampathkumar Velusamy., and Manoj Shanmugamoorthy., (2023). Predicting phosphorus and nitrate loads by using SWAT model in Vamanapuram River Basin, Kerala, India. *Environmental Monitoring and Assessment*, Vol.195, Article ID: 186.

2. Subbarayan Saravanan, S., Pitchaikani, M., Thambiraja, Subbarayan Sathiyamurthi., Vivek Sivakumar., Sampathkumar Velusamy., and Manoj Shanmugamoorthy., (2023). Comparative assessment of groundwater vulnerability using GIS based DRASTIC and DRASTIC AHP for Thoothukudi, District, Tamil Nadu India. *Environmental Monitoring and Assessment*, Vol.195(1), pp.1-19.
3. Vivek Sivakumar., Sashikkumar Madurai Chidambaram., Sampathkumar Velusamy., Rameshpandian Rathinavel., Dinesh Kumar Shanmugasundaram., Premkumar Sundararaj., Manoj Shanmugamoorthy., Ravindaran Thangavel., and Kamal Balu., (2023). An integrated approach for an impact assessment of the tank water and groundwater quality in Coimbatore region of South India: implication from anthropogenic activities. *Environmental Monitoring and Assessment*, Vol.195(1), Article ID: 88.
4. Selvakumar, S., Kulanthaivel, P., and Soundara, B., (2023). Experimental Investigation of Geosynthetic Encased Conventional Aggregate and Fly Ash Brick Bats Columns on Soft Clay. *International Journal of Pavement Research and Technology*, Vol.16(1), pp.109-127.
5. Settiannan Karuppannan Maniarasan., Palanisamy Chandrasekaran., Sridhar Jayaprakash., and Gobinath Ravindran., (2023). Influence of Slag-Based Geopolymer Concrete on the Seismic Behavior of Exterior Beam Column Joints. *Sustainability*, Vol.15(3), pp.1-15.
6. Jothi Lakshmi, N., Anandakumar, S., and Sampathkumar, V., (2023). Green synthesis and characterisation of ZnO nanoparticles from Manihot esculenta (cassava) peel and their antibacterial study. *Global NEST Journal*, Vol.25(3), pp.56-62.
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8. Sivakumar, A., Singh, N.B., Arulkirubakaran, D., and Raj, P.P.V., (2023). Prediction of production facility priorities using Back Propagation Neural Network for bus body building industries: a post pandemic research article. *Quality & Quantity*, Vol.57, pp.561-585.
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