



PH.D VIVA-VOCE COMPLETED

1. T.Tamilarasi, Research scholar of Department of Mechanical Engineering defended her thesis entitled An experimental investigation on analyzing the heat transfer characteristics of graphine and carbon nanotube coated microprocessors on 08.07.2020 under the guidance of Dr. R. Rajasekar / Mechanical
2. K.Kathirvel , Research scholar of Department of Mechanical Engineering defended his thesis entitled An experimental investigation on the influence of calcium titanium oxide and titanium dioxide coating on the voltage generation capacity of silicon solar cell on 16.07.2020 under the guidance of Dr. R. Rajasekar/ Mechanical
3. K.V.Gunavathy, Research scholar of Department of Physics defended her thesis entitled Investigations on copper zinc tin sulfied thin film grown by nebulizer assisted spray pyrolysis technique for solar photovoltaic applications on 22.07.2020 under the guidance of Dr.K.Tamilarasan/Physics
4. P.Shanmugam, Research scholar of Department of Chemical Engineering defended his thesis entitled Production of renewable diesel from vegetable oil using zeolite based catalyst on 29.07.2020 under the guidance of Dr. K. Kannan/Chemical
5. S.Parvathavarthini, Research scholar of Department of Computer Technology defended her thesis entitled Swarm intelligence based intuitionistic fuzzy C-means clustering algorithms on 29.07.2020 under the guidance of Dr.S.Shanthi/CSE

R&D PROJECTS SACTIONED (2020-2021)

1. Dr.R.Baskar, Food Technology, Dr.C.Maheswari, Mechatronics Engineering and Dr.T.Manikandan, Chemistry received research grant of Rs.10,11,137/- for the project entitled Developing electrical discharge non-thermal plasma (EDNP) based treatment process to achieve environmental compatibility in selected process industry wastewater remediation under AICTE RPS scheme on 20.03.2020, Ref.No.8-208/RIFD/RPS (POLICY-1)/2018-19
2. Dr.B.Meenakshipriya, Dr.R.Parameshwaran and A.Balaji of Mechatronics Engineering received grant of Rs.16,57,016/- for the project entitled Modernization of robotics and machine vision laboratory for artificial intelligence and deep learning applications with robot operating system (ROS) platform from AICTE-MODROB scheme on 16.05.2020, Ref.No.84-68/RIFD/MODROB /Rural/Policy-1/2019-20

3. Dr.V.Chitra Devi, Dr.R.Baskar, and R.Sorna Prema of Food Technology received grant of Rs.10,57,016/- for the project entitled Modernization of food analysis and quality control laboratory from AICTE-MODROB scheme on 16.05.2020, Ref.No.8-208/RIFD/RPS (POLICY-1)/ 2018-19
4. Dr.S.Vijayachitra, Dr.U.S.Ragupathy, Dr.M.Ponnibala, Dr.S.J.Suji Prasad and C.Aravind of Electronics and Instrumentation Engineering received grant of Rs. 11,96,667/- for the project entitled Development of intelligent automation systems with integration of wireless sensor networks and internet of things (Industry 4.0) from AICTE-MODROB scheme on 16.05.2020, Ref. 84-69/RIFD/MODROB/Rural/Policy-1/2019-20.
5. Dr.C.Maheswari, Mechatronics Engineering received research grant of Rs.2,50,000/- for mentoring the industry project entitled Prototyping for measuring hardness indentation of casted components through machine vision system from EDII under IVP scheme on 27.07.2020, Ref.No. Lr.No.2270/EDII/JD/2018
6. Dr.R.Selvakarathi, Electronics and Instrumentation Engineering and Dr.P.Shanmugam, Chemical Engineering received research grant of Rs.2,43,000/- for mentoring the industry project entitled waterless Dyeing machine from EDII under IVP scheme on 27.07.2020, Ref.No. Lr.No.2270/EDII/JD/2018

REFERRED JOURNAL PUBLICATIONS

1. Sathesh, S., Pradheep, V.A., Maheswaran, S., Premkumar, P., Gokul Nathan, S., and Sriram, P., (2020), Computer Vision based Real Time Tracking System to Identify Overtaking Vehicles for Safety Precaution Using Single Board Computer, Journal of Advanced Research in Dynamical & Control Systems, Vol. 12(07-Special Issue), pp. 1551 - 1561.
2. Maheswari, S., Aruna, S., Logesh, S.K., and Deepika, E., (2020). Automated Detection of Retinal Abnormalities using ANFIS and K-means Clustering Classifiers”, Gedrag & Organisatie Review, Vol. 33(2), pp.2987-3006.
3. Prathiba, S., Sheela, A., and Revathi, S., (2020). Design and Development of Portable Stand-Alone Solar Power Generator, Journal of Green Engineering, Vol.10(6), pp. 2947-2955.
4. Deepasri, S., Meenakumari, R., and Subasri, R., (2020). Design and development of LabVIEW based battery management system for Electric vehicles, Bioscience Biotechnology Research Communication, Vol.13 (4), pp 76-80.
5. Ravi Kumar Sanapala., Srividhya, P., Muralidharan, J., and Karthikeyan, P., (2020). A Novel and Efficient Design of Conflict Free Memory Address Schemes, Journal Of Critical Reviews, Vol. 7(13), pp.1794-1799.
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12. Rodrigues, A.I., Krishnamoorthy, P., Gomes, C.S., Carmona, N., Di Paolo, R.E., Pander, P., Pina, J., de Melo, J.S.S., Dias, F.B., Calhorda, M.J. and Maçanita, A.L. (2020). Luminescent halogen-substituted 2-(N-arylimino) pyrrolyl boron complexes: the internal heavy-atom effect. *Dalton Transactions*, Vol. 49(29), pp.10185-10202.
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14. Saravanan, S., Sathish Kumar, S., and Karthikeyan, M., (2020). Design of an Efficient All Optical Mach-Zehnder Interferometer based Reversible TSG And HNG Gates, *Journal of Engineering Sciences*, Vol. 73(8), pp.11053-11058.
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