



PH.D VIVA-VOCE COMPLETED

1. R.Rajadevi, Research scholar of Department of Computer Science and Engineering defended her thesis entitled Certain investigations on QoS driven web service composition using metaheuristic techniques on 05.08.2020 under the guidance of Dr.R.C.Suganthe/CSE
2. S.Nirmaladevi, Research scholar of Department of Chemistry defended her thesis entitled Removal of textile dyes from aqueous solutions biochar and activated hydrochar prepared from acacia leucophloea wood sawdust on 05.08.2020 under the guidance of Dr.P.N.Palanisamy/Chemistry
3. K.R.Prasanna Kumar, Research scholar of Department of Computer Science and Engineering defended his thesis entitled An investigation on task scheduling based on nature inspired algorithms in cloud computing on 07.08.2020 under the guidance of Dr.K.Kousalya/CSE
4. S.Sathya, Research scholar of Department of Mathematics defended her thesis entitled Swarm intelligence based intuitionistic fuzzy C-means clustering algorithms on 12.08.2020 under the guidance of Dr.C.Duraisamy/Mathematics
5. M.Harikrishnakumar, Research scholar of Department of Mechanical Engineering defended his thesis entitled Investigation on the morphological and mechanical properties of dual particle reinforced compatibilized elastomeric nanocomposites on 14.08.2020 under the guidance of Dr.S.Shankar / Mechatronics.
6. A.Tamilvanan, Research scholar of Department of Mechanical Engineering defended his thesis entitled Experimental investigation on biodiesel fuelled CI engine with nano-fuel additive on 16.08.2020.

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. Mr.D.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. Manikandan.K, S., Jeeva., Gokul Santhosh,V., and Gokul, K., (2020). Investigation of wear resistance and mechanical properties of CNT reinforced aluminium 7075 alloy for gear applications, International Journal of Scientific & Technology research, Vol. 9(6), pp.446-454.
2. Senthil, S.M., Parameshwaran, R., Nathan, S.R., Kumar, M.B. and Deepandurai, K., (2020). A multi-objective optimization of the friction stir welding process using RSM-based-desirability function approach for joining aluminum alloy 6063-T6 pipes, Journal of Structural and Multidisciplinary Optimization, Vol.62(3), pp.1-17.
3. Sambath Kumar, M., Shanmugavel, S., Surean, A. R., and Srinivasan, S., (2020). Design and Fabrication of Mint Plucker using Cam Mechanism, International Journal of Scientific & Technology research, Vol. 9(1), pp.1309-1313.
4. Kumar, M.B., Parameshwaran, R., and Deepandurai, K., and Senthil, S.M.,(2020). Influence of Milling Parameters on Surface Roughness of Al-SiC-B4C Composites, Transactions of Indian Institute Metals, Vol. 73 (5), pp.1171-1183.
5. Karthikeyan, R., Thangavel, P., Naveen, R., Selvakumar, P. and Astra, S., (2020). Experimental Study on Thermal Behaviour of Double Pipe Helical Flow Heat Exchanger, IOP Conference Series: Materials Science and Engineering, Vol. 764(1), p.012050.

6. Kaliyannan, G.V., Palanisamy, S.V., Rathanasamy, R., Palanisamy, M., Nagarajan, N., Sivaraj, S. and Anbupalani, M.S., (2020). An Extended Approach on Power Conversion Efficiency Enhancement Through Deposition of ZnS-Al₂S₃ Blends on Silicon Solar Cells. *Journal of Electronic Materials*, Vol.49, 5937–5946.
7. Dinesh kumar, D., Gnanaprakasam, C.N., Meenakshipriya, B., and Elavarasan, R., (2020). Insights of covid-19 in INDIAN state of Kerala in initial phase, *Journal of Critical Reviews*, Vol. 7(10), pp. 2166-2172.
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9. Priyanka, E.B., Thangavel, S., and Pratheep, V.G., (2020). Enhanced Digital Synthesized Phase Locked Loop with High Frequency Compensation and Clock Generation, *Journal of Sensing and Imaging*, Vol. 21, Article ID:43, pp.1-12.
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11. Thirunavukkarasu, G., Murugesan, G., Mithira, S., Kavimani, R. and Muthupranesh, M. (2020) A Comparative Study of Active and Passive Mixers at Sub 6 GHz for Broadcasting Applications, *International Journal of Emerging Trends in Engineering Research* , Vol.8(7), pp. 2913-2918.
12. Ravivarma, G., Gavaskar, K., Kavitha, N.S., Shahanas Banu, K., Asha, K.G. and Aarthi, S. (2020). An Improved Lsb Data Steganography Using Elliptic Curve Cryptography, *Bioscience Biotechnology Research Communications*, 13(6), pp. 06-11.
13. Geetha, K., Diniesh, V.C., Arun Prasath, N. and Sujitha, J (2020). An Improved Method on Electronic EYE for Weaving Loom, *International Journal of Mechanical and Production Engineering Research and Development*, Vol.10(3), pp. 9985-9992.
14. Dinesh, V., Vijayalakshmi, J., Vignesh, G. and Vishagan, G.K. (2020). Compact Hexagonal Ultra Wideband Fractal Array Antenna for Wireless Body Area Networks, *Journal of Xidian University*, Vol.14(8), pp. 462-472.
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17. Kalaiselvi, T.C. and Swathi, S. (2020). Layout based control of electrical appliances using internet of things, *Bioscience Biotechnology Research Communications*, Vol.13(6), pp. 349-353.
18. Murugesan, G., Diniesh, V.C., Suresh, M., Nishrutha, N., Navitha Banu, B. and Ranjith babu, C. (2020) 'Multimetric Rpl for Heterogeneous Iot Environment', *Bioscience Biotechnology Research Communications*, Vol.13(6), pp.29-33.
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