



**R&D PROJECTS SACTIONED (2019-2020)**

1. Dr. P. Karthikeyan and Dr. T. Dheepa, MBA received research grant of Rs.12,60,000/- for the project entitled Assessment on Employability Skills of SC, ST Rural Youth in Western Districts of Tamilnadu from ICSSR under IMPRESS scheme on 08.07.2019. Ref.No: IMPRESS/P331/2018-19/ICSSR.
2. Dr. R. Somasundaram, MBA received research grant of Rs.4,20,000/- for the project entitled A study on work place environmental parameters and occupational health problems among women construction workers in western Tamilnadu from ICSSR under IMPRESS scheme on 08.07.2019. Ref No.IMPRESS/P3097/2018-19/ICSSR.
3. Dr.K.Dineshkumar, Mechanical Engineering received research grant of Rs.18,30,000/- for the project entitled On Quantification and Prediction of Surface Related Defects for Metal Forming Processes from SERB under TARE scheme on 06.12.2019 Ref No.TAR/2019/000120.
4. Dr.S.Shankar, Mechatronics Engineering received research grant of Rs.65,000/- for the project entitled Tribological Behaviour of Ceramic Biomaterials for Human Hip Prosthesis using Bio-Lubricant from IET on 08.08.2019. Ref. R.5/2/PG/2019-20/PG2020006.
5. Dr. P. Vidhyapriya and Dr. M. Mohanasundari, MBA received research grant of Rs.7,84,750/- for the project entitled A Study on Entrepreneurial Attitudes and Startup Attempts in Rural Tamilnadu from ICSSR under MRP scheme on 13.12.2019. Ref. 02/136/2019-2020/MJ/RP
6. Dr.K.Krishnamurthy, Dr.R.Parameshwaran and Dr.B.Meenakshipriya Mechatronics Engineering received research grant of Rs.25,00,000/- under the scheme Share & Mentor Institutions-Margdarshan from AICTE on 06.09.2019. Ref.No.58-14/RIFD/Margdarshan/2019-20.
7. Dr.S.Albert Alexander and Mr.D.Sarathkumar, EEE, received research grant of Rs. 9,02,750/- for the project entitled Design and Development of Smart Grid Architecture with Self Healing Capability using Intelligent Control Techniques - A Smart City Perspective from SERB under ASEAN-India Collaborative Research Project on 12.09.2019. Ref. No IMRC/AISTDF/CRD/2018/000075.
8. Dr. B. Meenakshipriya and Mr. A. Balaji, Mechatronics Engineering received research grant of Rs.4,40,000/- for the project entitled Design, Fabrication and

Control of Soft Robotic Gripper to Perform Various Grasping Action from TNSCST under Science & Technology 04.11.2019, Ref.No. TNSCST/STP-PRG/AR/2018-19/9341.

9. Dr. T. Meeradevi, Mr. K. Manoj Senthil and Mr. Vibin Mammen Vinod, ECE received research grant of Rs.4,40,000/- for the project entitled Low Cost Portable Finger Vein Authentication Device for Highly Secured Applications from TNSCST under Science & Technology 04.11.2019, Ref.No.TNSCST/STP-PRG/AR/2018-19/9288
10. Dr.C.Maheswari, Mechatronics Engineering received research grant of Rs.2,40,000/- for the project entitled Bio-degradable and eatable wheat plate making machine from EDII under IVP scheme on 14.01.2020, Ref.No. Lr.No.2270/EDII/JD/2019
11. Mr.A.R.Krishnaraja, Civil Engineering received research grant of Rs.2,40,000/- for the project entitled Low cost modular house development from EDII under IVP scheme on 14.01.2020 Ref.No. Lr.No.2270/EDII/JD/2019
12. 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
13. Dr.R.Parameshwaran of Mechatronics Engineering received grant of Rs.16,57,016/- entitled Modernization of robotics and machine vision laboratory for artificial intelligence and deep learning applications with robot operating system (ROS) platform under AICTE-MODROB scheme on 16.05.2020, Ref.No.84-68/RIFD/MODROB /Rural/Policy-1/2019-20
14. Dr.R.Baskar of Food Technology received grant of Rs.10,57,016/- entitled Modernization of food analysis and quality control laboratory under AICTE-MODROB scheme on 16.05.2020, Ref.No.8-208/RIFD/RPS (POLICY-1)/ 2018-19
15. Dr.U.S.Ragupathy of Electronics and Instrumentation Engineering received grant of Rs. 11,96,667/- entitled Development of intelligent automation systems with integration of wireless sensor networks and internet of things (Industry 4.0) under AICTE-MODROB scheme on 16.05.2020, Ref. 84-69/RIFD/MODROB/Rural/Policy-1/2019-20

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2. Karthi vineth, K.S., and Sathiyamurthi, P., (2020). Design and fabrication of adaptive spoiler for Go –kart vehicles, *Journal of Scientific and Technology Research*, Vol.9 (3), pp.2044-2049.
3. Maheswarn, S., Vivek, B., Sivaranjani, P., Sathsih, S., and Pon Vignesh, K., (2020), Development of machine learning based grain classification and sorting with machine vision approach for Eco-friendly environment, *Journal of Green Engineering*, Vol.10(3), pp.526-543.
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5. Boopalan, N., Ranjith, K., Praveenraj, S., and Piruthiviraj, B., (2020). Design And Fabrication Of Automotive Vehicle Dynamic Control with Collision Avoiding and Warning System, *International Journal of Scientific & Technology Research* Vol. 9(4), pp.3676-3681.
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**EDITOR(S)**

Dr.S.Shankar  
Dr.C.Maheswari

**ADDRESS FOR COMMUNICATION**

Research & Development Cell  
Kongu Engineering College  
Perundurai 638060, TamilNadu, INDIA  
deanrnd@kongu.ac.in