



**DEPARTMENT OF MECHANICAL ENGINEERING**

**List of Completed Projects during (2019-2022)**

S. No.	Project Title	Principal Investigator	Sanctioned Date	Funding Agency	Total Amount in INR	Duration
1.	Wash Basin Waste Water Reusable Filtration Gadget	DR.K.Mayandi	11.03.2022	TANSCST	7,500	6 Months
2.	Copra Heater	Mr. I. Rajkumar	09-03-2020	TANSCST	7,500	6 Months
3.	3D printed flexible optical fibers using biodegradable PHBV/Graphene nanocomposites for biophotonics applications	Dr.N.Rajini	27.02.2019	DST	21,66,000	3Years
4.	Sustainable Manufacturing	Dr. M. Uthayakumar Dr. P. Balamurugan	01.12.2018	Poland National Science Academy	30,00,000	3Years
5.	Experimental investigations on mixing and combustion in a modified dual combustion ramjet engine	Dr.S.Jeyakumar	25.03.2017	DST - SERB	24,82,970	3Years
6.	Experimental investigation on the effect of pylon based injection in a modified dual combustion ramjet engine	Dr.S.Jeyakumar	19.01.2017	ARDB	9,31,750	3Years
7.	Performance investigation of green composites – A formulated microbial organism based novel bio resin	Dr.N.Rajini	12.07.2016	DST-SERB	23,14,070	3Years
8.	Development of Floor Tiles from Land-thrown PET Bottles through Eco-friendly Processing Method	Dr.I.Siva Mr.V.B. Saravanan Mr.G.Ramkumar	19.11.2018	DST NIDHI	10,00,000	3Years
<b>Total</b>					<b>1,19,09790</b>	



**DEPARTMENT OF MECHANICAL ENGINEERING**

**List of Ongoing Projects**

S. No.	Project Title	Principal Investigator	Sanctioned Date	Funding Agency	Total Amount in INR	Years
1.	Empowerment of the Scheduled Caste Farmers via 'Polymer Composite Mulch' Technology for Enhanced Yield and Quality of Vegetable Crops	<b>Dr.J. T. Winowlin Jappes</b> Dr. P. Pandiyaraj	2023	DST-SEED	74,70,000	3 Years
2.	Design and Fabrications of automated fire tender system using GPS for industrial sectors	<b>Mr. T. Rajpradeesh</b>	05-03-2023	TANSC ST	7,500	3 Years
3.	Establishment of STI hub for production of ecofriendly and economical products to improve the socio-economic status of SC population in Srivilliputhur block, Virudhunagar District, Tamil Nadu State	Dr. R. Kanniga Devi/Computer Science <b>Dr. N. Rajini/Mech</b> Dr. M. Muthukannan/Civil Dr. C. Ramesh Babu/Civil Dr. V. Kannan/Agri	03-03-2020	DST-SEED	2,38,43,900	3 Years
4.	IN SITU development and investigations on the shape memory assisted bio-degradable electronic devices substrate using 3-D printing	<b>Dr.J.T.Winowlin jappes</b>	14 .08.2020	AICTE	20,62,745	3 Years
5.	Micromachining of biomedical materials shape memory alloys using acidithiobacillus ferrooxidants and thiooxidants micro organism	<b>Dr.S.Rajesh</b> <b>Dr.M. Uthayakumar</b>	15.01.2018	DST	25,85,000	3 Years
<b>Total</b>					<b>3,59,69,145/-</b>	

**HoD/Mech**