

**EXTERNAL FUNDING RECEIVED: DEPARTMENT OF MECHANICAL ENGINEERING  
SRI SIVASUBRAMANIYA NADAR COLLEGE OF ENGINEERING**

S. No.	Project Title	Investigators	Funding Agency	Amount (in lakhs)	Year
1	Wire arc additive manufacturing of Inconel718 to Stainless steel functionally graded materials using dual filler TIG Welding	Dr. S. R. Koteswara Rao and Dr. A. K. Lakshminarayanan	DRDO	24.2	2023
2	A powered EMG-based embedded system controlled transfemoral prosthesis	PI - Dr. G. Satheesh Kumar (Mech); Co-PIs – Dr. P. Vijayalakshmi (ECE) and Dr. Dhanalakshmi (BME)	DST-SERB	34.82	2023
3	Design and Development of a Thermal Chamber	Dr. N. Lakshmi Narasimhan	Srushty Global solution Pvt. Ltd.	1.5	2022
4	Upgradation of Municipal Solid Wastes into Commercial Grade Fuel using Co-Liquefaction and study of its Performance and Emission characteristics on Dual Fuel Compression Ignition Engine.	Dr. S. Rajkumar	AICTE	14.54	2022
5	Understanding the influence of corrosion on the shock response of DMR 249A steel plates and welded joints	PI: Dr. S. Suresh Kumar Co-PI: Dr. S. R. Koteswara Rao, Professor SSNCE, and Dr. Ajay Krishnan, DMRL Lab; Collaborator: Dr. Atul Kumar, Sc 'F' DMRL.	Naval Research Board	42.05	2022
6	Experimental analysis of an Energy Recovery Ventilator (ERV) combined with UVGI and air filtration system for enhancing IAQ (Indoor Air Quality) in non- ventilated spaces	Dr. A. S. Ramana	ISHRAE Student Research Project Grant	0.5	2020
7	Value addition of calcined bauxite for possible use as abrasives in waterjet cutting applications	Dr. V. E. Annamalai (PI); Dr. K. Rajkumar (Co-PI)	Dept of Mining	30	2019
8	Hybrid casting approach for manufacturing magnesium nanocomposites	Dr. L. Poovazhagan	DST-SERB	37.95	2019
9	Optimization of Ballistic performance of AA7075 thick plate friction stir welds	Dr. S.R. Koteswara Rao (PI) Dr. R. Damodaram (Co-PI)	DRDO - ARMREB	18.78	2018
10	Design, development and implementation of networked reconfigurable in-pipe robots for inspection and scavenging applications	Dr. G. Satheesh Kumar	DST-SERB	40.27	2017

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11	Investigations on Wire Electrical Discharge Machining (WEDM) of low conductive materials	Dr. G. Selvakumar	DST-SERB	31.93	2017
12	Smart Street Lighting Solutions	Dr. G. Satheesh Kumar	Horizon Engineering Solutions, Waterloo, Canada	1.27	2016
13	Friction surfacing for repair of alloy 718 components	Dr. R. Damodaram	DST-SERB	27.9	2016
14	Reclamation Of Abrasives From Bonded Coated And Sanitary Ware Rejects	Dr. V. E. Annamalai	DST-SERB	74.16	2016
15	Design and development of novel handle shapes to overcome vibration discomfort.	Dr. M. S. Alphin	DST-SERB	18.86	2015
16	Study of mechanical properties and surface features of steels quenched in CNT nanofluids.	Dr. K. Babu	AICTE	8.47	2015
17	Creation of design and fabrication lab for experimental learning	Dr. V. E. Annamalai	AICTE - MODROBS	5.94	2014
18	Industry Institution Interaction Partnership Programme	Dr. V. E. Annamalai	AICTE	11	2013
19	Magnetic Moulding of Al/SiCp Metal Matrix Composites	Dr. B. Anand Ronald	DST-SERB	9.26	2013
20	Experimental and finite element investigations of the machining process with composite materials	Dr. K. S. Vijay Sekar	AICTE	18.65	2013
21	Gas Tungsten arc assisted Friction Stir Welding of Steels	Dr. S. R. Koteswara Rao and Dr. V. E. Annamalai	DST-SERB	20.77	2008
22	Friction stir welding of scandium added Al-Mg alloys	Dr. S. Vijayan	Naval Research Board	23.94	2006
<b>Total External Funding Received</b>				<b>496.78</b>	