



The National Institute of Engineering
(An Autonomous Institute Under VTU)
DEPARTMENT OF MECHANICAL ENGINEERING
Phone: 0821-4004930, Fax: 0821-2485802, Email: hodmech@nie.ac.in



Sponsored Research Funding from 2019-2023

Sl. No.	Academic Year	Title of the Research Work / Title of the Project	Period of Project	Duration of Project	Year of Sanction	Year of Commencement of Research Work	PI	Co-PI (1)	Co-PI (2) (if any)	Granting / Funding Agency	Collaborating Institute (If Any)	Amount Sanctioned Rs.	Status / Status of the Research Work
1	2021-22	Numerical Analysis of Heat and Mass Transfer in various grain drying process for food processing applications	2022-25	3 years	2022	2022	Dr. Sathisha H. M.	Dr. Shruthi Pandey (CFTRI)	NA	Science and Engineering Research Board - Teachers Associateship For Research Excellence (SERB-TARE)	Central Food Technological Research Institute (CFTRI), Mysuru	1830000	Ongoing
2	2021-22	Enhancing the performance of solar collector using nanofluids	2022-25	3 years	2022	2022	Dr. Mrinal K. R.	Dr. Sajith (NIT, Calicut)	NA	Science and Engineering Research Board - Teachers Associateship For Research Excellence (SERB-TARE)	The National Institute of Technology (NIT), Calicut	1830000	Ongoing
3	2021-22	Vibration, Noise and tribological Investigations on the Prospective use of different Types of polymers and its Composites in Gear Transmission Systems.	2022-24	2 years	2022	2022	Dr. Imran M. Jamadar	Dr. B. Suresha	Dr. Anand A.	VTU Research Grants Scheme - 2021,	---	1000000	Ongoing
4	2021-22	Condition monitoring and predictive maintenance of Gear Box	2022-23	10 Months	2022	2022	Dr. Imran M. Jamadar	-	-	TIH-IoT CHANAKYA UG/PG Internship/Fellowship Program 2022	---	480000	Ongoing
5	2021-22	Development of condition monitoring and predictive maintenance system for gear box	2022-23	6 Months	2022	2022	Dr. Ahkil A. M.	-	-	TIH-IoT CHANAKYA UG/PG Internship/Fellowship Program 2022	---	400000	Ongoing
6	2019-2020	Polyamide alloyed with thermoplastic elastomer fibrillar reinforced with nanofillers multi phased composit for bearing application	2019-2020	1 year	2019	2019	Dr. Suresha B			UGC		105000	Completed
7	2018-19	Vitamin-A Encapsulation studies using Diblock copolymer material	2018-21	3 Years	2018	2018	Dr. Siddharth Joshi	-	-	Science and Engineering Research Board - Teachers Associateship For Research Excellence (SERB-TARE)	---	1830000	Completed
8	2022-23	Wind turbine predictive maintenance using machine learning approach	2022-23	10 Months	2023	2023	Dr. Imran Jamadar	-	-	TIH-IoT CHANAKYA UG/PG Internship/Fellowship Program 2023	---	480000	Ongoing
9	2022-23	Design and fabrication of onion harvester	2022-23	10 Months	2023	2023	Prasanta Kumar Samal	-	-	TIH-IoT CHANAKYA UG/PG Internship/Fellowship Program 2023	---	480000	Ongoing
10	2022-23	Numerical and Experimental Studies for the Vibration Control of 3D Printed Complex Shaped Light Weight Robotic Manipulators	2022-23	3 Years	2023	2023	Dr. Imran Jamadar	Dr. Anand A	-	State University Research Excellence (SERB SURE)	---	2,713,200	Ongoing