

Sr. No.	Title of the Project/ Endowments, Chairs	Name of the Principal Investigator/ Co-investigator	Department of Principal Investigator	Year of Award	Amount Sanctioned	Duration of the project	Name of the Funding Agency
1	Technology Development for Controlled Fabrication of 2D and 3D Net-Shaped Microstructure Using Lifting Plate Hele Shaw Cell	Dr. Bharatbhushan Kale	Mechanical Engineering	2023-24	₹43,56,929.00	Three Years	Department of Science and Technology (DST)
2	Enhancing High Temperature Oxidation and Corrosion Protection Through Nickel Based Alloy Coating	Dr. Sanjay R., Dr. Aqleem S., Mr. Badal K.	Mechanical Engineering	2023-24	₹1,00,000.00	One Year	Institutional level research funding (ILRF)
3	Fault diagnosis of rotating system using machine learning	Ms. Shamim Pathan, Mr. Praseed Kumar, Mrs. Rupali Deshmukh	Mechanical Engineering	2023-24	₹50,000.00	One Year	Institutional level research funding (ILRF)
4	Development of closed loop active control method for separation of thermos-acoustic in stability using machine learning	Mr. Afzal Ansari Mrs. Rupali Deshmukh, Dr.Nilaj Deshmukh	Mechanical Engineering	2023-24	₹80,000	One Year	Institutional level research funding (ILRF)

5	Fault diagnosis of gearbox and roller element bearing using dimension analysis and support vector machines with motor load variation	Dr. Vishal Salunkhe, Dr. S. M. Khot, Dr. Mini Rajeev, Dr. Shubangi V.	Mechanical Engineering	2023-24	₹2,00,000	One Year	Institutional level research funding (ILRF)
6	Fabrication, performance and reliability evaluation of solar cell made of novel lead free perovskite absorber	Dr. Amrita B., Dr. Mini Rajeev., Dr. Dhananjay P.	Mechanical Engineering	2023-24	₹1,75,000	One Year	Institutional level research funding (ILRF)
7	Tree Trimming Robot	Dr. Milind Shah	Electronics and Telecommunication Engineering	2022-23	₹ 3,24,834.00	Two years	Tata Power Ltd
8	Transformer Testing time reduction with common testing leads via switch box	Dr. Mini Rajeev	Electrical Engineering	2022-23	₹13,605.00	One year	Tata Power Company Ltd., Kalyan
9	Design and Development of Electric Vehicle drive for EV grade Induction motor	Dr. Sushil Thale	Electrical Engineering	2018-19	₹ 25,96,000.00 (Including GST)	One Year+ six months	Saini Electrical and Engineering works, Navi Mumbai (Industry)

10	Modernization and Removal of Obsolescence for Communication Laboratory (Vector Network Analyzer)	Dr. Milind Shah / Dr. R. P.R. C. Aiyar	Electronics & Telecommuni cation Engineering	2018-19	₹ 15,00,000.0	Two Year	AICTE, New Delhi (Govt.)
11	Design and Development of Active Filter: 480 V, 60Amps 3 Phase	Dr. Sushil Thale	Electrical Engineering	2017-18	₹ 9,55,000.0	One Year	Autodata Pvt Ltd. Navi Mumbai (Industry)
12	LED Products Design	Dr. Sushil Thale	Electrical Engineering	2017-18	₹ 800,000.00 (Includi ng GST)	Two Years	Shubh Die Casting Pvt Ltd, Vasai Thane (Industry)
13	Online Condition Monitoring of Gears	Mr. Nitesh Yelve	Mechanical Engineering	2016-17	₹ 150,000.00	One Year	Rave Gears India Ltd (Govt.)
14	Design and Control of Power Conversion System for Electrical Vehicles	Mrs Bindu R, Dr. Sushil Thale	Electrical Engineering	2016-17	₹ 70,000.00	One Year	Institution of Engineers (India) (Govt.)

15	Formulation of Hot-face Refractory of an Entrained Flow Gasifier	Dr. S. M. Khot, Dr. Milind Shah	Mechanical Engineering	2015-16	₹ 5,000,000.00	Two year +6 months (extended)	Newton-BHABHA Fund Royal Academy of Engg., UK (Govt.)
16	Modeling and characterization of solid state Mark generator and its source	Dr Sincy G., Dr. Bindu. S	Electrical Engineering	2014-15	₹ 2,213,600.00	Three Years	BRNS (Govt.)