

3.1.1 Grants received from Government and non-governmental agencies for research projects, endowments in the institution during the last five years (INR in Lakhs)

Name of the research project/ endowment	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	Type (Government/non- Government)
2022-23							
Impact of waste on society and development of integrated (collection, segregation, compression, data collection and decomposition of waste) waste management system	Mr. Jayesh Rane	EXTC	2022-23	500000	1 Year	Indian Council of Social Science Research (ICSSR)	Government
2021-22							
MRP Research Grant - Dry Residual Compactor System	Mr. Rahul Warghane	Mechanical	2021-22	42,000.00	1 year	University of Mumbai	Government
MRP Research Grant Mechanical characterisation of neat epoxy and its FE Analysis	Mr. Suhas Uthale	Mechanical	2021-22	50000	1 year	University of Mumbai	Government
Gesture Recognition Glove for Home Assistance Systems	Ms. Munawira Kotyad	Computer	2021-22	430780	3 years (Ongoing)	GEH-Research LLP,India	Non-Government
Biometric Authentication of a land verification using AI-Based System.	Ms. Srijita Bhattachrjee and Ms. Ekta Ukey	Computer	2021-22	301790	2 years (Ongoing)	GEH-Research LLP,India	Non-Government
Blood Banking via Cloud computing using Machine Learning Tracking the Blood Donor location at Real-Time	Mr. Abhijeet More and Ms. Snehal Shinde	Computer	2021-22	212790	2 years (Ongoing)	GEH-Research LLP,India	Non-Government
Face Detection Using Machine Learning and AI-Based algorithm	Ms. Rohini Bhosale	Computer	2021-22	301790	2 years (Ongoing)	GEH-Research LLP,India	Non-Government
IoT-Kit to Track and Notify Doctor.	Dr. Divya Chirayil	IT	2021-22	24980	2 Months	BS5 Innovation and Development	Non-Government

2019-20							
Simulation of 3D Digital Elevation Model (DEM) for Rural Villages by acquiring ISRO Satellite Image - A Remote Sensing and GIS Approach	Mr.Karthik Nagarajan	Civil	2019-20	40000	1 year	University of Mumbai	Government
Environmental impact assessment of Patalganga Industrial Area.	Mr. Manish Mane		2019-20	30000	1 year	University of Mumbai	Government
A study on Fuzzy soft sets & its applications	Dr Avinash Kamble	FE	2019-20	35,000	1 year	University of Mumbai	Government
A study on Spectral graph theory & its applications	Ravi Rewaskar		2019-20	25,000	1 year	University of Mumbai	Government
Efficacy of Bio fertilizers: A Field Scale Study Of Sawale Village For Sustainable Farming	Sunita Khansole		2019-20	25,000	1 year	University of Mumbai	Government
Automatic Load switching depending on availability of Sunlight for controlled Home Energy Consumption.	Nilesh Raut		2019-20	40000	1 year	University of Mumbai	Government
Regenerative Bike with mileage enhancement	Mr. Aamir Shaikh, Ms. Pranita Chavan	Electrical	2019-20	35,000	1 year	University of Mumbai	Government
Beach cleaning Robot	Ms.Sanobar S,Ms.Supriya Shigwan		2019-20	35,000	1 year	University of Mumbai	Government
Dematerialized Vehicle Documents and Anti-Theft Mechanism for Vehicles Using Data Analytics Methods	Dr. Mansi Subhedar	EXTC	2019-20	25000	1 year	University of Mumbai	Government
Public Water Supply Monitoring and controlling system using water theft identification to avoid water tampering	Mr. Jayesh Rane		2019-20	35,000	1 year	University of Mumbai	Government

Dry Compactor for Crop Residue	Mr. Rahul Warghane	MECH	2019-20	42000	1 year	University of Mumbai	Government
Mechanical characterization of woven fabric hybrid polymeric nan composite and its failure analysis by FEM	Mr. Suhas A. Uthale		2019-20	50,000	1 year	University of Mumbai	Government
Design And Construction of Arduino Based Aid Visually Impaired People	Ms. Rohini Bhosale	COMP	2019-20	30,000	1 year	University of Mumbai	Government
Translating Sign Language to Speech Using Flex Gloves For Deaf & Dumb	Mr. Nikhil Raje		2019-20	30,000	1 year	University of Mumbai	Government
Swarm Robotic System For Mapping And Exploration of Extreme Environment	Ms. Kiran jeet Kaur & Ms. PrachiSorte		2019-20	20,000	1 year	University of Mumbai	Government
Krishibuddy (Smart farming using IoT &AI)	Ms. Neha Rane		2019-20	25,000	1 year	University of Mumbai	Government
Blockchain and Smart Contract for Digital Certificate	Ms. Neha Rathi		2019-20	15,000	1 year	University of Mumbai	Government
Railway track crack detection system using IOT	Ms. Talib Farheen	IT	2019-20	30000	1 year	University of Mumbai	Government
IOT based intelligent digital bill board : The future of outdoor advertisement	Ms. Rupali Sathe		2019-20	30000	1 year	University of Mumbai	Government
Implementation of Chatbot using deep learning	Ms. Komal Golimbade		2019-20	20000	1 year	University of Mumbai	Government
Development of bench top dynamic mechanical analyzer for soft material characterization.	Mr. Amar Arun Jadhav	Automobile	2019-20	50000	1 year	University of Mumbai	Government
Experimental Testing and replacement of plastic in moulding of solid toys moulded with eco-friendly materials	Mr. Vivek S Meshram		2019-20	35000	1 year	University of Mumbai	Government

2018-19							
Ambient Air Quality Monitoring for MIDC Patalganga Area	Manisha Jamgade	Civil Engg.	2018-19	Rs. 30,000	1 year	University of Mumbai	Government
Assessment of Patalganga River Water, Maharashtra, India to check it's Quality and Suitability for Different Purposes	Sonali V. Baviskar		2018-19	Rs. 40,000	1 year	University of Mumbai	Government
Comparative Study of Coconut Fibre Reinforced Concrete with Normal Concrete	Madhulika Sinha		2018-19	Rs. 40,000	1 year	University of Mumbai	Government
Development of Vertical Axis Turbine using Neodymium Magnets for Power Generation	Dr. Gajendra V. Patil	Mechanical Engg.	2018-19	Rs. 45,000	1 year	University of Mumbai	Government
Real-time Fingerprint Verification using Master Print	Dr. Ashok Kanthe, Babita Bhagat	Computer Engg.	2018-19	Rs. 30,000	1 year	University of Mumbai	Government
Automatic Certificate Generation using MATLAB	Rekha Dhawan	Electronics & Tele-communication Engg.	2018-19	Rs. 15,000	1 year	University of Mumbai	Government
Effect of Meditation on Diabetic Patients using EEG and Some Pathological Test	Swati Nandusekar		2018-19	Rs. 20,000	1 year	University of Mumbai	Government
Smart Solar Grass Cutter	Sangeetha Rajagopal	Electrical Engg.	2018-19	Rs. 30,000	1 year	University of Mumbai	Government
Hydrogen Storage Properties of Metal Hydrides	Dr. Manvendra Vashistha	Applied Sciences & Humanities	2018-19	Rs. 35,000	1 year	University of Mumbai	Government
To study various properties of Polymer Dispersed Liquid Crystal	Ms. Vishakha Gajghate		2018-20	Rs. 40,000	2 year	University of Mumbai	Government
Synthesis of Nano Ceramic Oxide by Pechini Method	Sanjay Ghorpade		2018-19	Rs. 30,000	1 year	University of Mumbai	Government