

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	Type (Government/ non-Government)
1	Real Time Detection of Branch retinal Vein Occlusion	Dr. Pranali C.	Electronics and Telecommunication Engg	2019-20	₹40,000.00	One Year	University of Mumbai	Government
2	Message Communication Device For Paralytic Patients	Dr. Savitha U.	Electronics and Telecommunication Engg	2019-20	₹20,000.00	One Year	University of Mumbai	Government
3	Cardiac Arrhythmia Monitoring, Analysis and Prediction of Heart Condition in Real Time using Machine Learning	Mrs. Megha K.	Electronics and Telecommunication Engg	2019-20	₹25,000.00	One Year	University of Mumbai	Government
4	“M-Vision”	Dr. Lata Ragma (PI) Mrs. Rakhi K (CI)	Computer Engg.	2019-20	₹35,000.00	One Year	University of Mumbai	Government
5	“Precision Time Measurement to a Resolution of Sub-Nano Seconds in between Successive Collisions”	Mrs. Shweta Tripathi (PI)	Computer Engg.	2019-20	₹30,000.00	One Year	University of Mumbai	Government
6	SiC Based Isolated DC-DC Converters for On-Board Electric Vehicle Battery Chargers	Mrs. Sreedevi S. Nair	Electrical Engg.	2019-20	₹45,000.00	One Year	University of Mumbai	Government

7	Implementation of Ultra-wide Band Marx Generator with Improvised PFN Typology for Antenna Load	Mrs. Ruchi Harchandani	Electrical Engg.	2019-20	₹30,000.00	One Year	University of Mumbai	Government
8	Solar Powered Digital Control of LED Street-light	Mrs. Seema M. Jadhav	Electrical Engg.	2019-20	₹20,000.00	One Year	University of Mumbai	Government
9	Design and Fabrication of a 3-D Scanning System for Biomedical Purposes using Photogrammetry & Optical Computed Tomography	Mrs. Suvarna Rode, Mr. Praseed Kumar	Mechanical Engineering	2019-20	₹60,000.00	One Year	University of Mumbai	Government
10	Suppression of Thermo-acoustic Instability using Helmholtz Resonator	Dr.Nilaj Deshmukh	Mechanical Engineering	2019-20	₹40,000.00	One Year	University of Mumbai	Government
11	Design and Fabrication of Nanoparticle Enriched PCM based Thermal Energy Storage System	Mr. Nilesh Sonu Varkute, Mr. Badal Kudachi	Mechanical Engineering	2019-20	₹40,000.00	One Year	University of Mumbai	Government
12	Detection of Damage in Pipes using Linear Characteristics of Ultrasonic Guided Waves	Mr. Prasad A. Bari, Dr. Nitesh Yelve	Mechanical Engineering	2019-20	₹60,000.00	One Year	University of Mumbai	Government

13	Active Vibration Control of a Cantilever Beam using Optimal Controllers	Dr. Aqleem A. Siddiqui. Mr. Praseed Kumar	Mechanical Engineering	2019-20	₹50,000.00	One Year	University of Mumbai	Government
14	Development of an IOT-enabled Lamb wave-base real time damage detection system.	Ms. Kavita Shelke Dr. Nitesh Yelve	Computer Engg.	2019-20	₹40,000.00	One Year	University of Mumbai	Government
15	Investigation of Effect of Ballistic Impact on Laminated Composite materials	Dr. Nitesh Yelve	Mechanical Engineering	2018-19	₹ 50,000.00	One Year	University of Mumbai	Government
16	Active vibration control of a Cantilever beam using proportional controller, in an experimental study.	Mr. Praseed kumar	Mechanical Engineering	2018-19	₹ 30,000.00	One Year	University of Mumbai	Government
17	Early Fire Detection using Machine Learning Techniques	Mrs. Archana Shirke	Information Technology	2018-19	₹ 25,000.00	One Year	University of Mumbai	Government
18	Smog detection and pollution alert system using wireless sensor networks	Mrs. Manita Rajput	Electronics and Telecommunication Engineering	2018-19	₹ 30,000.00	One Year	University of Mumbai	Government
19	Non -Invasive Electroencephalography (EEG) and Magneto Encephalography (MEG) based thought -to- Speech Mapping	Dr. Milind Shah	Electronics and Telecommunication Engineering	2018-19	₹ 35,000.00	One Year	University of Mumbai	Government

20	Precision time measurement to a resolution of sub nanoseconds in between successive collisions	Mrs. Swetha T (PI)	Computer Engg.	2018-19	₹ 30,000.00	One Year	University of Mumbai	Government
21	M-Vision	Dr.Lata Ragma(PI) Mrs. Rakhi.K (CI)	Computer Engg.	2018-19	₹ 35,000.00	One Year	University of Mumbai	Government
22	Implementation of a single phase Transformer-less Grid Tied Inverter with Improved gain	Dr. Mini R	Electrical Engg.	2018-19	₹ 45,000.00	One Year	Mumbai University	Government
23	Integrated energy storage based quasi Z source inverter for standalone PV system	Mr. Mahendra Rane	Electrical Engg.	2018-19	₹ 30,000.00	One Year	Mumbai University	Government
24	Navigation App for the Visually Impaired	Mrs. Sandhya Pati (PI) Mrs. Kiruthika M (CI)	Computer Engg.	2017-18	₹ 20,000.00	One Year	University of Mumbai	Government
25	Swarm Robotics	Mrs. Dakshayani G(PI) Mr. Rahul Jadhav (CI)	Computer Engg.	2017-18	₹ 25,000.00	One Year	University of Mumbai	Government

26	Lamb wave based in-situ nondestructive testing of thin plate structures	Dr. S.M. Khot	Mechanical Engg.	2017-18	₹ 78,000.00	One Year	University of Mumbai	Government
27	Design and Analysis of Vibration Energy Harvester for an Automobile Suspension	Dr. Nitin Satpute	Mechanical Engg.	2017-18	₹ 50,000.00	One Year	University of Mumbai	Government
28	Design and Fabrication of an Experimental Setup of Thermo Acoustic Cooling	Ms. Pallavi Khaire	Mechanical Engg.	2017-18	₹ 35,000.00	One Year	University of Mumbai	Government
29	Music modulated TENS Methodologies for Pain Alleviating System	Mr. Yogesh Chandurkar	Electronics and Telecommunication Engg.	2017-18	₹ 30,000.00	One Year	University of Mumbai	Government
30	Railway safety and security system	Mrs. Sneha Revankar	Electronics and Telecommunication Engg.	2017-18	₹ 30,000.00	One Year	University of Mumbai	Government
31	Vehicle Tracking and Accident Alert system	Mrs. Anita Jadhav	Electronics and Telecommunication Engg.	2017-18	₹ 22,000.00	One Year	University of Mumbai	Government
32	Power Management in battery electrical vehicle	Mrs Bindu R	Electrical Engg.	2017-18	₹ 23,000.00	One Year	University of Mumbai	Government
33	IoT enabled DOS Attack Mitigation Strategy in SDN	Mrs. Trupti Lotlikar	Information Technology	2017-18	₹ 30,000.00	One Year	University of Mumbai	Government

34	Android Controlled Wheelchair	Mrs. Rakhi Kalantri(PI) Mrs. Kavita Shelke(CI)	Computer Engg.	2016-17	₹ 20,000.00	One Year	University of Mumbai	Government
35	Rescue Bot	Mrs. Smita Dange (PI) Mr. Amroz Siddique (CI)	Computer Engg.	2016-17	₹ 20,000.00	One Year	University of Mumbai	Government
36	A Time Reversal Damage imaging method for structural health monitoring of thin plate structures using Lamb waves	Mr. Prasad Bari and Dr. Nitesh Prakash Yelve	Mechanical Engg.	2016-17	₹ 30,000.00	One Year	University of Mumbai	Government
37	Design and Fabrication of Magnetorheological damper setup	Mr. Nanaji Kshirsagar and Mr. Girish Dalvi	Mechanical Engg.	2016-17	₹ 30,000.00	One Year	University of Mumbai	Government
38	Experimental & Simulation study of characterization and suppression of thermo-acoustic instability	Dr. Nilaj Deshmukh and Mr. Santosh Chauhan	Mechanical Engg.	2016-17	₹ 25,000.00	One Year	University of Mumbai	Government
39	Development of an Experimental Setup for testing quarter car model for ride comfort	Mr. Sanjay Rukhande and Dr. S.M. Khot	Mechanical Engg.	2016-17	₹ 30,000.00	One Year	University of Mumbai	Government

40	Smart weight based Toll collection vehicle detection during collision using RFID	Mrs. Sadhana Pai	Electronics and Telecommunication Engg.	2016-17	₹ 20,000.00	One Year	University of Mumbai	Government
41	Design and implementation of Low cost Gesture Recognition using Neural Networks	Mrs. Sreedevi Nair	Electronics and Telecommunication Engg.	2016-17	₹ 20,000.00	One Year	University of Mumbai	Government
42	Implementation of Automatic control for Smart Irrigation system based on WSN and IoT	Mrs. Keerthi Unni	Electronics and Telecommunication Engg.	2016-17	₹ 18,000.00	One Year	University of Mumbai	Government
43	Disease Diagnostic system using PhotoPlethysmography	Mrs. Savitha Upadhya	Electronics and Telecommunication Engg.	2016-17	₹ 18,000.00	One Year	University of Mumbai	Government
44	IoT based Biometric voting Machine	Mrs. Smita Hande	Electronics and Telecommunication Engg.	2016-17	₹ 18,000.00	One Year	University of Mumbai	Government
45	Current fed Cockcroft Walton applied to a High step-up DC-DC converter	Dr. Bindu. S	Electrical Engg.	2016-17	₹ 15,000.00	One Year	University of Mumbai	Government

46	Design and demonstration of a power system emulator as a teaching aid	Mrs Divya M	Electrical Engineering	2016-17	₹ 30,000.00	One Year	University of Mumbai	Government
47	Design and implementation of Z-source inverter	Mrs Sreedevi Nair	Electrical Engineering	2016-17	₹ 20,000.00	One Year	University of Mumbai	Government
48	Design and Implementation of DC-DC Bidirectional converter for low power application	Mrs Seema Jadav	Electrical Engineering	2016-17	₹ 30,000.00	One Year	University of Mumbai	Government
49	Bidirectional charge controller battery and ultra-capacitor system in electric vehicle	Mrs Rashmi Kale	Electrical Engineering	2016-17	₹ 28,000.00	One Year	University of Mumbai	Government
50	Guidance System for Vehicle Parking In Open Space	Mr Anand P and Ms. Dhanashree Hadsul	Information Technology	2016-17	₹ 15,000.00	One Year	University of Mumbai	Government
51	Dynamic Affordance Using touchless 3D tracking interface	Ms. Dhanashree H and Mr Anand P	Information Technology	2016-17	₹ 23,000.00	One Year	University of Mumbai	Government

52	WSN Based Environmental Parameter Monitoring for Precision Agriculture	Mrs. Kiruthika M (PI) Mrs. Shweta Tripathi (CI)	Computer Engg.	2015-16	₹ 40,000.00	One Year	University of Mumbai	Government
53	Optimization of Wind Mill Design with Experimental and Simulation Study	Mr. Santosh Chauhan and Mr. Nilaj Deshmukh	Mechanical Engineering	2015-16	₹ 35,000.00	One Year	University of Mumbai	Government
54	Active Vibration Control of Cantilever Beam using Optimal Controllers	Mr. T. Mathewlal	Mechanical Engineering	2015-16	₹ 40,000.00	One Year	University of Mumbai	Government
55	Lamb wave based damage detection in thin Aluminum plates using wavelets	Mr. Nitesh Prakash Yelve and Dr. S. M. Khot	Mechanical Engineering	2015-16	₹ 45,000.00	One Year	University of Mumbai	Government
56	The artificial Intelligence Workplace assistant	Mr. Ashish Harsola	Electronics and Telecommunication Engineering	2015-16	₹ 35,000.00	One Year	University of Mumbai	Government
57	Smart Classroom	Dr. Milind Shah	Electronics and Telecommunication Engineering	2015-16	₹ 25,000.00	One Year	University of Mumbai	Government
58	Modeling and control of switched	Dr Sincy George	Electrical Engineering	2015-16	₹ 40,000.00	One Year	University of Mumbai	Government

	reluctance generator for wind energy							
59	Design and development for solar PV grid interactive inverter for Indian power grid	Dr Sushil Thale	Electrical Engineering	2015-16	₹ 50,000.00	One Year	University of Mumbai	Government
60	Hardware implementation of PFN based solid state Marx generator	Mrs Ruchi Harchandani	Electrical Engineering	2015-16	₹ 20,000.00	One Year	University of Mumbai	Government
61	Target Tracking in Wireless Sensor Network	Mrs. Sandhya Pati (PI) Mr. Mritunjay Ojha(CI)	Computer Engg.	2014-15	₹ 40,000.00	One Year	University of Mumbai	Government
62	Simulation and Experimental Study of minimization of shrinkage defect in casting	Mr. C. M. Choudhari	Mechanical Engineering	2014-15	₹ 30,000.00	One Year	University of Mumbai	Government
63	Damage detection in metallic plates using Lamb wave	Dr. S. M. Khot and Mr. Nitesh Prakash Yelve	Mechanical Engineering	2014-15	₹ 50,000.00	One Year	University of Mumbai	Government
64	Experimental and statistical optimization of binder composition in brake pads to minimize wear	Mr. Aqleem Siddiqui and Dr. S. M. Khot	Mechanical Engineering	2014-15	₹ 30,000.00	One Year	University of Mumbai	Government

65	Diagnosis of Cardiovascular disease using impedance cardiograph	Mrs. Pranali Choudhari	Electronics and Telecommunication Engg.	2014-15	₹ 45,000.00	One Year	University of Mumbai	Government
66	Wireless sensor network based Smart home with object loading system for older age population	Mrs. Megha Kolhekar	Electronics and Telecommunication Engg	2014-15	₹ 45,000.00	One Year	University of Mumbai	Government
67	Seminar - Introduction on water conversation technique and water budget in Mumbai.	Mrs. Archana Shirke	Information Technology	2014-15	₹ 15,000.00	One Year	BAIF Development Research Foundation , Pune.	non-Government
68	Blind Vision, Smart Assistance Application for visual impaired people	Mrs. Archana Shirke and Mrs. Mukta N.	Information Technology	2014-15	₹ 32,000.00	One Year	University of Mumbai	Government
69	Optimization of CUDA programs	Mrs. Lakshmi M. Gadhikar	Information Technology	2014-15	₹ 24,696.00	Two years	NVIDIA Graphics Pvt. Ltd. Pune.	non-Government