

MES's Pillai HOC ollege of Engineering & Technology

Minor Research Proposals Sanctioned

No.	DEPT	Name Of Faculty	Title of project	Year	Status(Completed)	Amount
1	FE	Ms. Jyoti Verma	Study of some Thermoelastic Problems in Solids by Mathematical Approach	2015	Completed	25,000/-
2	FE	Ms. Sunita Khansole	Application of chemoselective synthesis of biologically active pharmaceutical organic compounds using solid supportive catalyst.	2016	Completed	25,000/
3	EXTC	Ms. Neha Rai	Stair Climbing Robot	2016	Completed	20,000/
4	EXTC	Ms.Divya.Y.Chirayil	Automatic Solar Grass Cutter	2016	Completed	20,000/
5	EXTC	Ms Yogita Mistry	GPS based Soldier tracking and health indication system	2016	Completed	20,000/
6	EXTC	Mr.Gajanan Birajdar	Low cost Optical Mark Reader (OMR) software for data collection and examination grading	2014	Completed	13,000/-
7	EXTC	Dr.Ravindra N. Duche	Wireless biometric based attendance monitoring using Zigbee	2014	Completed	20,000/-
8	Auto	Mr. Vaibhav Bhagat	Design & Development of Ball balancing Robot	2015	Completed	30000/-
9	MECH	Mr. Suhas Uthale	Facture Mechanism for linear Motor	2015	Completed	40000/-
10	MECH	Mr. Amey More	Testing setup development of Hyperelastic Material	2015	Completed	30000/-
11	MECH	Mr. TRB Sanjaikumar	Development of Ahmed body and its numerical analysis and detemrlning its characterisitcs	2015	Completed	30000/-
12	EXTC	Ms. Rekha Dhawan	Location Identity device for Visually Impaired (Travel	2015	Completed	24000/-
13	EXTC	Mr. Jayesh Rane	Design of Emergency Alert system for physically handicapped persons	2016	Completed	20,000/
14	EXTC	Mr. Nitesh Agrawal	Black box system for vehicles	2016	Completed	25,000/
15	EXTC	Mr. Aamir Shaikh	Braille printer for blind person	2015	Completed	25,000/-
16	EXTC	Mr. Upendra Patil	Remote Controlled Audio-Video Router	2015	Completed	25,000/-
17	CIVIL	Dr. Shrikant Charhate	GSM Based Water pump Control using 8051 Microcontroller.	2014	Completed	40,000 /-
18	CIVIL	Mr. Raju Narwade	To Test Effectiveness of FRP Wrap for Shear Resistance of Beam	2014	Completed	20,000 /-
19	CIVIL	Mrs. Manisha Jamgade	Experimental Study of Various Geosynthetics on California Bearing Ratio of Subgrade Materials	2015	Completed	35,000 /-
20	CIVIL	Mr.Karthik Nagarajan	Simulation of Water Distribution Networks (including Grey Water) with Application of Hydraulic Modelling and GIS Software- A GIS & Remote Sensing Apporach	2016	Completed	25,000 /-
21	COMP/E	Dr. Chelpa Lingam / Ms. Mansi Subhedar	Multilayer Authentication System With High Resistance to Spoofing Attack	2014	Completed	25, 000/-
22	EXTC	Ms. Mansi Subhedar	3-D Printing for rapid photo-typing	2016	Completed	20,000/-

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Minor Research Proposals Submitted - August 2017

No.	DEPT	Name Of Faculty	Title of project
1	FE	Dr M Vashistha	Hydrogen Storage Properties of Metal Hydrides
2	FE	Mr Sanjay Ghorpade	Preparation of Copper and Iron Nano particles by Combustion method
3	FE	Dr Avinash Kamble	A study on Fuzzy soft sets and its Applications
4	FE	Mr Ravi Rewaskar	A study on Spectral Graph and its Applications
5	FE	Nilesh Raut	Comparison and optimization of efficiencies of various types of solar panels
7	COMP	Mr. Nikhil Raje	Mute Voice-Translating Sign Language to Speech using Flex Gloves
8	COMP	Mr. Mettu GovindRao	Run Time Monitoring of the Integrity of Railway Tracks
9	EXTC	Ms Swati Nandusekar	ALIVENESS OF HUMAN AND FIRE DETECTION ALERT USING ROBOT
10	EXTC	Ms Priya Tambe	GPS Based train or bus collision avoidance system
11	EXTC	Mr Shashikant Renush	RF Power Harvesting for RFID & Wireless Sensor Network Applications
12	Auto	Mr. Vijay Dhadke	Design & fabrication of Electromagnetic Suspension.
13	IT	Ms.I.B.Rajeswari	Intrusion Prevention using Cloud Services for the Recent Smartphone Attacks
14	Mech	Mr. S. N. Kadam	To design and develop two wheel inverted pendulum
15	Mech	Dr. M. D. Nadar	Design and development of control system for heat treatment process equipment
16	Mech	Saurabh sirsikar	Experimental analysis of effect of strain rate on Mechanical properties of Polyurethane based Adhesive joint
17	Civil	Dr. Shrikant Charhate	Estimation & Analysis of Concrete Strength Properties with addition of Variety of Ingredients
18	Civil	Mr. Sayed Anwar	Effectiveness of dampers and base isolators in vibration control
19	Civil	Mr.Saketh Shetty	Hydrology and Hydraulic Modelling For Mitti River Basin
20	Civil	Mr.Rahul Kulkarni	Comparison of basalt rebar & steel reinforcement for use in concrete
21	Civil	Ms. Tejaswini D.N.	To Study the Influence of Organic and Mineral Admixtures on the Properties of Concrete
22	Civil	Mr. Raju Narwade	Study and Analysis of Engineered Cementitious Composites by Replacing the Tailored Material
23	Civil	Mr. Harshal Phatak	Flood Risk Assessment and Management by Using GIS and HEC-HMS
24	Electrical	Mr Asokan S	Degradation analysis of field installed photovoltaic modules