

**Externally Funded Projects- Completed**

S.N.	Name of PI	Name of Co-PI	Project Title	Name of Department	Amount (in Lacs)	Funding Agency	Scheme	Duration
1	Dr. P V Walke		Dev & Testing of Particulate Traps & Catalytic Converter to Reduce Pollutant from Exhaust of Compression Ignition Engine	Mechanical	7.25 Lacs	AICTE	AICTE-MODROBS	2003-2005 (2.5 Years)
2	Dr. S G Tarnekar	Prof. K B Porate	To consolidate testing Facilities in high Voltage Engineering	Electrical	12 Lacs	AICTE	AICTE-MODROBS	2003-2005 (2.6 Years)
3	Dr. S G Tarnekar	Dr. S B Bodkhe	Electrical drives Laboratory	Electrical	9.5 Lacs	AICTE	AICTE-MODROBS	2003-2005 (2.6 Years)
4	Dr. V K Chandrakar	Prof. K D Joshi	Exploring the benefits of co- ordination between controllable component in Electrical power system transmission	Electrical	10 Lacs	AICTE	AICTE-RPS	2003-2005 (2.5 Years)
5	Dr. L G Malik		Recognition of Handwritten Devanagari manuscript	Computer Sci & Engg.	7.5 lacs	AICTE	AICTE-RPS	2008-10 (2 Years)
6	Dr. K N Hande		Up-gradation of Existing Computer Network Laboratory	Computer Science & Engineering	4 lacs	AICTE	AICTE-MODROBS	2008-09 (1.5 Years)
7	Dr. V K Chandrakar	Prof. K D Joshi	Augmentation Of Facts Laboratory	Electrical Engineering	7 Lacs	AICTE	AICTE-MODROBS	2008-10 (2.6 Years)
8	Prof. P S Kadu		Design And Development Of Hydraulically Driven Fire Fighting Water Monitor Trailer	Mechanical Engineering	4.80 Lacs	AICTE	AICTE-RPS	2008-10 (2 Years)
9	Dr. V K Chandrakar	Prof. H S Dalvi	Stabilization Of Grid Connected Wind Generator By Statcom	Electrical Engineering	10.59 Lacs	AICTE	AICTE-RPS	2007-09 (2 Years)
10	Dr. S S Dorle		Computational Capacity of Vehicular Adhoc Networks	Electronics Engineering	8.75 Lacs	AICTE	AICTE-RPS	2009-12 (3 Yeas)
11	Dr. U.S. Wankhede		Heat Transfer in Sound assisted fluidized Bed	Mechanical Engineering	8.80 Lacs	AICTE	AICTE-RPS	2009-2012 (3 Years)
12	Dr. S R Vaishnav	Prof. P P Jagtap	To Develop Automated Power Distribution Laboratory	Electrical Engineering	10.00 Lacs	AICTE	AICTE-MODROBS	2009-10 (1 Year)
13	Prof. N P Awate		Manually operated Low cost Harvesting Machine	Mechanical Engineering	1 Lac	IEI	IEI-R&D Grant 2010-11	2010-11
14	Prof.N.P.Awate		Cotton boll picking and pesticide spraying mechanism	Mechanical Engineering	0.75 Lac	IEI	IEI-R&D Grant 2010-11	2010-11
15	Dr. P. R. Bajaj		Innovation and Entrepreneurship Development Centre	Electronics Engineering	45.85 Lacs	DST	DST IEDC	2010-2015
16	Dr.L.G.Malik		Designing Of Data Mining Techniques for Data generation & Analysis for Digital Forensic Application	Computer Science & Engineering	8.00 Lacs	AICTE	AICTE-RPS	2011-13 (2 Years)
17	Dr.A.Y. Deshmukh		Design of Electronic system for Measurement of Velocity of detonation of bulk explosive	Electronics Engg	7.37 lacs	AICTE	AICTE-RPS	2011-14 (2 Years)
18	Dr. Latesh Malik		Upgradation of Existing Wireless Network Simulation Lab	Computer Science & Engineering	5.00 Lacs	AICTE	AICTE-MODROBS	2012-13 (1 Year)
19	V.P.Rajderkar		Application of Power Electronics Based Drives	Electrical Engineering	6.00 Lacs	AICTE	AICTE-MODROBS	2012-13 (1 Year)
20	Mr.N.P.Awate		Effect of uncertain parameters on vibrational characteristics and behaviours of structures	Mechanical Engineering	10.5 Lacs	AICTE	AICTE-RPS	2011-13 (2 Years)
21	Dr. V.N.Baiswar		Prediction of Mechanical Behavior of Materials Subjected to Fatigue Load	Mechanical Engineering	18.30 Lacs	AICTE	AICTE-RPS	2012-15 (3 Years)
22	Dr. M. M. Khanapurkar		Comparative Performance of VHDL-FPGA Implementation & Matlab Algorithm for Image Denosing Using Wavelet	Electronics & Telecommunic ations	9.06 Lacs	AICTE	AICTE-RPS	2012-15 (3 Years)
23	Dr. M. M. Khanapurkar		Industry Institute Partnership Cell	Electronics & Telecomm Engineering	6.50 Lacs	AICTE	AICTE IIPC	2009-10
24	Dr. P. R. Bajaj		Innovation and Entrepreneurship Development Centre	Electronics Engineering	45.85 Lacs	DST	DST IEDC	2010-2015

**Externally Funded Projects- Ongoing**

S.N.	Name of PI	Name of Co-PI	Project Title	Name of Department	Amount (in Lacs)	Funding Agency	Scheme	Duration
1	Prof. R. S. Shelke		Development and Testing of Dye Sensitized Solar Cells	Mechanical Engineering	20.00 Lacs	AICTE	AICTE-RPS	2012-15 (3 Years)
2	Mr Manish Pasarkar Dr S B Jaju		Condition monitoring of eccentric shaft used in machinery	Mechanical Engineering	13.40 Lacs	AICTE	AICTE-RPS	2012-15 (3 Years)
3	Dr. Santosh Jaju		Optimum Design of Robot using Workspace Simulation Technique	Mechanical Engineering	8.40 Lacs	AICTE	AICTE-RPS	2012-15 (3 Years)
4	Mr. Sachin Karale		Thermal Analysis of Energy Storage Systems in Federal Facilities	Mechanical Engineering	7.10 Lacs	AICTE	AICTE-RPS	2012-15 (3 Years)
5	Mr. Atul Deshmukh		Modernization of Digital Signal Processing Laboratory	Electronics & Telecommunications	7 Lacs	AICTE	AICTE-MODROBS	2012-13 (1 Year)
6	Mr.P.P.Jagtap		To investigate role of unified power flow controller for damping power system oscillations in multimachine system	Electrical Engineering	12.00 Lacs	AICTE	AICTE-RPS	2013-16 (3 Years)
7	Prof. S.A. Chabria		To develop multipurpose human computer interaction based system for physically disabled persons	Information Technology	11.29 Lacs	AICTE	AICTE-RPS	2013-16 (3 Years)
8	Prof. V. N. Bhusari		Synthesis and application of Mesoporous adsorbent for the removal of chromium from water	Chemistry	1.70Lacs	UGC	UGC Minor Research Project	2014-2016 (2 Years)
9	Dr. Urmila Shrawankar		Multilingual Number Interpreter	CSE	3.0 Lacs	UGC	UGC Minor Research Project	2016-2018
10	Prof. Apeksha Sakhare		CoDe Modeling for data visualization using S-OLAP	CSE	3.05 Lacs	UGC	UGC Minor Research Project	2016-2018
11	Dr. P.V. Walke		Development & Performance Evaluation of Forced Convection Desiccant Bed Solar Dryer Integrated With Sensible Heat Storage Material.	Mechanical	2.1 Lacs	UGC	UGC Minor Research Project	2016-2018 (2 Years)
12	Prof. P. P. Shingare		Experimental investigation on improvement of convective heat transfer in a circular tube using Nanofluids with inserts	Mechanical	3.1 Lacs	UGC	UGC Minor Research Project	2016-2018
13	Prof. A. D. Pitale		Development and Experimentation on Solar Adsorption Desalination and Cooling System.	Mechanical	2.15 Lacs	UGC	UGC Minor Research Project	2016-2018 (2 Years)
14	Prof. N. P. Awate		Design & Development of Garlic peeler machine	Mechanical	2.55 Lacs	UGC	UGC Minor Research Project	2016-2018 (2 Years)
15	Prof. Ankur Gupta		Smart Train	Electrical Engineering	US\$500	IEEE	IEEE-AIYEHUM	2016-17
16	Prof.R.T.Bankar		Fruit counting machine	Electronics Engineering	1 Lac	BIRAC	BIRAC GYTI 2016	2016-17
17	Dr. Vinod Bhiswar		Design & fabrication of a spherical joint - lable coupling	Mechanical Engineering	4.46 Lac	AICTE	AICTE-RPS	2017-18 (3 Years)