

List of Sponsored Projects (M. Tech)

Sr. No.	Academic Year	Name of the Student	Name of Guide	Title of the Project	Name of the Industry
1	2016-17	Ms. Anuradha M. Jadhav	Dr. S.A. Pardeshi	Development of Test Jig for PLC and Programming of Commonly used Blocks	Renu Electronics Pvt. Ltd, Pune
2	2016-17	Mr. Omkar T. Sawant	Dr. M.S. Patil	Automatic wire cutting system	Sanman capacitors Pvt. Ltd. Kupwad Sangli
3	2016-17	Ms. Varsha S. Kadam	Dr. M.S. Patil	Utilizing maximum Solar energy by intelligent power converters using MPPT	Tripplite System Pvt. Ltd. Tasgaon
4	2016-17	Mr. Yogesh S. Jadhav	Dr. A.B. Kakade	Multimedia Sensing based on Internet of Multimedia Things (IoMT) using API's	Diksha Tech Services ,Pune
5	2016-17	Mr. Tejas D. Patil	Dr. Mrs. J.S. Awati	Development of Architecture for IOMT multimedia sensing	Diksha Tech Services ,Pune
6	2016-17	Mr. Shailesh Rathod	Dr. S.A. Pardeshi	8086 IP Core based Data Acquisition System	ISRO Satellite Centre, Hassan Karnataka
7	2016-17	Mr. Chetan Rupanwar	Dr. Mrs. J.S. Awati	Preparation of Warehouse Line wise data up-loader to match Daily production modules	Piaggio Vehcles Pvt. Ltd., Baramati
8	2016-17	Ms. Pooja M. Jalelwad	Dr. S.A. Pardeshi	Hardware Accelerated Image Enhancement Filter using FPGA	Centre for Artificial Intelligence & Robotics, Defense R&D Organization Got. Of India, Ministry of Defense, Bangalore
9	2016-17	Ms. Heeba N.A. Bhatkar	Prof. M.S. Kumbhar	Design and Implementation of Direction of Arrival Estimation Algorithms for Smart Antenna using All Programmable Soc.	Centre for Artificial Intelligence & Robotics, Defense R&D Organization Got. Of India, Ministry of Defense, Bangalore

10	2016-17	Ms. Shraddha Y. Swami	Dr. Mrs. J.S. Awati	Implementation of Edge Detection Filter using FPGA	Centre for Artificial Intelligence & Robotics, Defense R&D Organization Got. Of India, Ministry of Defense, Bangalore
11	2016-17	Ms. Snehal M. More	Prof. R.T. Patil	Automatic test equipment facility for testing of Display/Control PCB with auto generation of test reports	Ador Welding Ltd. Technology Development Centre, Pune
12	2016-17	Ms. Tejashree S. Balgude	Prof. S.R. Jagtap	Development of Controller Interface between Welding Machine and Robotic Controller using DeviceNet Protocol	Ador Welding Ltd. Technology Development Centre, Pune
13	2016-17	Mr. Ajit S. Pawar	Prof. R.T. Patil	Isolated DC-DC converter in brick module using 1768 cortex arm processor	TATA Power Company Ltd. Strategic Engineering Division, Mumbai
14	2016-17	Mr. Ravindra R. Shinde	Prof. S.S. Patil	Design and Development of remote monitoring solution using open CPU Platform	S.N. System Pvt. Ltd. Pune
15	2016-17	Mr. Shrinivas L. Dhawale	Dr. S.A. Pardeshi	Raspberry Pi based Micro structural Analysis of Cast Iron using Image Processing	Metasys Testing and Calibration Laboratoies LLP Kolhapur
16	2015-16	Ms. Bela S. Dixit	Prof. R.T. Patil	Design and implementation of a Coherent Beamformer for Focal Plane Array	National Center for Radio Astrophysics Tata Institute of Fundamental Research Gaint Metrewave Radio Telescope (GMRT) Narayangaon, Pune
17	2015-16	Mr. Pawan Bhabat	Prof. M.S. Kumbhar	Design and Development of a Framework for Reliability Improvement of CAN Technology	Vsoft Embedded Technologies, Pune
18	2015-16	Ms. Shreya S. Chougule	Prof. M.S. Kumbhar	Developing Data Processing System for Dairy Automation	HTP Automation, Sangli
19	2015-16	Ms. Seema T. Chavan	Dr. A.B. Kakade	Data Processing Unit for Dairy Automation	HTP Automation, Sangli

20	2015-16	Mr. Sagar J. Aivale	Prof. Mrs. V.S. Patil	Engine utilization, Driver performance (Eco driving) and onboard Diagnostic codes sending to the server	Pune Int'l Incubation Center
21	2015-16	Mr. Ranshinge Aditya D.	Dr. M.S. Patil	Design and Development of Multistage Spot Welding Automation System	Affordable Robotic & Automation Pvt. Ltd., Pune
22	2015-16	Ms. Sneha Jamdade	Dr. S.A. Pardeshi	Laser Skin Treatment Robot	Vikrant E Systems, Kolhapur
23	2015-16	Mr. Amol M. Kundale	Prof. R.T. Patil	Automated irrigation system using wireless sensor network and GPRS Module	E-Cube Electrosolutions Sangli
24	2015-16	Mr. Pratap G. Shinde	Prof. Mrs. S.S. Patil	Wifi Based Smart Village	Galaxy Internet Services, Shirdhon
25	2014-15	Ms. Bachche Rutuja U.	Prof. R.T. Patil	MES/EMG signal Analysis to Design Calf Stimulator	Niramay Physiotherapy Clinic Solapur
26	2014-15	Ms. Shinde Pranita N.	Prof. M. S. Kumbhar	Interlock in software in CED paint shop for and quality improvement	Piaggio Vehicles Pvt. Ltd. Baramati
27	2014-15	Mr. Eknath Kharat	Prof. S.R. Jagtap	PLC based system in Paint shop for Quality Improvement and cost Reduction	Piaggio Vehicles Pvt. Ltd., Baramati
28	2014-15	Mr. Dipak Tekale	Dr. M.S. Patil	Safety system for Human in Automatic Welding Process of Automobile Parts using PLC	Finearc Systems Pvt. Ltd., Pune
29	2014-15	Mr. Hamber Amit N.	Prof. S.R. Jagtap	Artificial Neural network Simulator and ANN Coder for Educational Purpose	Core Technology Pvt. Ltd. Kolhapur
30	2014-15	Mr. Terwadkar Pushkar S.	Dr. Mrs. J.S. Awati	Artificial Neural network Simulator and ANN Coder for Educational Purpose	Core Technology Pvt. Ltd. Kolhapur
31	2014-15	Ms. Salunkhe Snehal D.	Prof. Mrs. S.S. Patil	Electrical Stimulator to Activate the Muscle Activity of Paralyzed Patients (Lower Limb)	Niramay Physiotherapy Clinic Solapur
32	2014-15	Ms. Talle Shridevi A.	Dr. S.A. Pardeshi	Analysis of walking abnormalities (gait analysis)	Niramay Physiotherapy Clinic Solapur
33	2014-15	Mr. Roshan V. Sawarkar	Dr. M.S. Patil	Smart Diabeter	Blue Planet InfoSolutions Pvt. Ltd., Pune

34	2014-15	Mr. Sharadchandra A. Amale	Dr. S.A. Pardeshi	Control of Lift in Level Type Car Parking System	Precision Automation and Robotics India Ltd., Pune
35	2013-14	Mr. Gavali Amit Bhimrao	Prof. M.S. Patil	PLC operated fully automatic hydraulic press machine	Blue Star Automobiles, Ichalkarnji
36	2013-14	Mr. Amit Ahok Palwe	Prof. M.S. Kumbhar	Intelligent Tire Pressure Monitoring	AFTEK Limited Pune
37	2013-14	Mr. Prathemesh P. Bhosale	Dr. A.B. Kakade	Design & development of Industrial Gas Burner	Ajinkya Ecothech System, Satara
38	2013-14	Mr. Vivekanand R. Siddul	Dr. A.B. Kakade	Capturing Light Sources in Photographs	TouchMagix Media Pvt. Ltd. Pune
39	2012-13	Ms. More Archana Ashok	Prof. R.T. Patil	“Real Time Control System Of The Plastic Extrusion Blow Molding System Based On ARM Controller”	Ajinkya Plastics,MIDC Satara
40	2012-13	Ms. Sonali A. Gaikwad	Prof. S.R. Jagtap	“Drinking Water Supply Monitoring, Control & Water Theft Identification System Using PLC & SCADA”	AVISHKO Instrumentation, Ahmednagar
41	2012-13	Mr. Santosh Sarjerao Patil	Prof. M.S. Kumbhar	“Feature Extraction Of Mes (Myo Electric Signal) For Prosthetic Arm Control”	NIRAMAY Institute of Rehabilitation Training & Research Center, Solapur
42	2012-13	Mr. Gurav Ramchandra Kisan	Prof. M.S. Kumbhar	“Industrial Surveillance System”	Elcom International Pvt., Ltd., Mumbai
43	2012-13	Mr. Bharat S. Shete	Dr. A.B. Kakade	“Nadi Parikshan Using Digital Signal Processing”	IIT, Jodhpur

List of Sponsored Projects (UG)

Sr. No.	Academic Year	Title of the Project	Name of the Guide	Sponsored by
1	2014-15	Hand Gesture based Industrial Machine control	Prof. Ms. M B Kulkarni	Gholap Engineering
2	2014-15	PLC Based Library Automations	Prof. M.R.Jadhav	PARI Automation Pune
3	2013-14	Tensile Strength Measurement of Thread	Mr. S.A. Kulkarni	Unitech Automation , Pune
4	2012-13	Self Service Petrol Pump	Dr. S.A. Pardeshi	Mauli Sales & Services, Bharat Petroleum Sangola.
5	2012-13	Educational Tutor for Mentally Retarded Children	Mrs. S.S. Patil	Perana Vidyalaya, Wategaon
6	2010-11	Wireless Multimeter	Prof. M.S. Kumbhar	Vivek Engg. Works, Kirloskarwadi
7	2010-11	Wi-Fi Controlled Robot	Prof. M.S. Kumbhar	Xcite Communication Pvt. Ltd. New Delhi
8	2010-11	Wireless Fuel Door Release & wiper Mechanisms by SMA Actuators	Prof. M.S. Kumbhar	Tata Motors, Pune
9	2010-11	Electrical Equipment On-Off Control using Intercom Telephone Line	Prof. M.S. Kumbhar	SaiTronics, Karad
10	2010-11	VLSI Based speed control of DC motor using PWM Technique	Prof. R.T. Patil	Shree Refrigeration Pvt. Ltd. Karad
11	2010-11	Microprocessor based Artificial Hand with Wireless controlling	Prof. R.T. Patil	Niramay Hospital, Solapur
12	2010-11	Temperature & Relative Humidity Monitoring & Controlling in Concrete making lab	Prof. R.T. Patil	M/s. Surya Electronic System, Ichalkaranji

13	2010-11	Wireless Parameter Monitoring system	Dr. M.S. Chavan	Electrotech Enterprises, Gadhinglag
14	2010-11	PLC based Elevator system with color sensing capabilities for material handling in industrial plant	Dr. S.A. Pardeshi	Onkar Industries, Islampur
15	2010-11	Automatic Transformer Coiling Machine	Prof. S.R. Jagtap	S.P. Electricals, Kolhapur
16	2010-11	ICU Patient Monitoring and Alert System	Prof. S.R. Jagtap	Dr. Navare Accidental & Orthopedic Hospital, Kankavli