

K. J. Somaiya College of Engineering, Mumbai-77

(Autonomous College Affiliated to University of Mumbai)

Research and Development cell

CT-COMPLETED, ON-ONGOING, AP-APPLIED, CAN-CONCEPT NOTE ACCEPTED, SNA-SUBMITTED BUT NOT APPROVED

Sr. No.	Funding Agency	Type of Project	Year	Project Investigator	Co-Project Investigator	Co-Project Investigator	Co-Project Investigator	Department	Title Proposal	Budget (Rs)	Status	Remarks
188	MU	RESEARCH	2019-20	Prof. Era Johri	Prof. Sanjay Vidhani			IT	Automated Parking & Ticketing System	19000	AP	
187	MU	RESEARCH	2019-20	Prof. Rupali Patil	Prof. Ninad Dileep Mehendale			EXTC	Renewable Energy Powered Smart Shoes with IOT-Based Health Monitoring	97600	AP	
186	MU	RESEARCH	2019-20	Prof. Shilpa Sadanand Bhambure	Prof. Ramesh R. Lekurwale			MECH	Braille Reading Assistant for Visually Impaired	41000	AP	
185	MU	RESEARCH	2019-20	Prof. Ninad Dileep Mehendale				ETRX	Intelligent Traffic Management and Fastest Route Clearance Alert System for Emergency Vehicles	89115	AP	
184	MU	RESEARCH	2019-20	Prof. Ramesh Lekurwale	Prof. Priyanka Patil			MECH	Automatic Guided Machine for Physiotherapist Exercise	46000	AP	
183	MU	RESEARCH	2019-20	Prof. Pranoti Chinmay Khanolkar	Prof. Samina Sayyed	Dr. Archana Sharma		HSS	Identification and Microscopic Classification of Micro Plastics in Beach Sediment Sample at Dadar	70000	AP	
182	MU	RESEARCH	2019-20	Prof. Abhishekh P.S. Bhaduria	Dr. Kashinath Patil			MECH	Design and Development of Multi crop Solar Heat Drying	107000	AP	
181	MU	RESEARCH	2019-20	Prof. Sudha Gupta	Prof. Ramesh Lekurwale			ETRX	Design and Development of Fundus Camera for Detection of Diabetic Retinopathy	87500	AP	
180	MU	RESEARCH	2019-20	Prof. Mansi Kambli	Prof. Sushma Kadge			COMP	Automation of Wheelchair Using Brain Computer Interface	77000	Ap	
179	MU	RESEARCH	2019-20	Prof. Vandana Jitendra Stam	Prof. Chitali Kulkarni	Prof. Anudeepa Khoaspure		EXTC	Design and Development of Passive Temperature Sensor for IOT Application	75000	AP	
178	MU	RESEARCH	2019-20	Prof. Vilas Dhore	Dr. N R Gilke			MECH	Water Recovery from Medicinal Herbs	80000	AP	
177	MU	RESEARCH	2019-20	Dr. K. N. Patil				MECH	Warm Clothing for Cold Environment	69000	AP	
176	MU	RESEARCH	2019-20	Dr. N R Gilke				MECH	Light weight Al-CNT composite for sound wave absorption	104000	AP	
175	MU	RESEARCH	2019-20	Prof. Sandeep Sainkar				EXTC	Design and Development of Radial power combiner and divider for high power Microwave applications	79000	AP	
174	MU	RESEARCH	2019-20	Prof. Megha Sharma	Prof. Sonia Joshi			COMP	A novel approach to design and implement smart energy meter.	25000	AP	
173	MU	RESEARCH	2019-20	Prof. Sanjay Vidhani	Prof. Era Johari			COMP	Severity and privacy analysis in 5G network	30000	AP	
172	MU	RESEARCH	2019-20	Prof. Anudeepa Sujit Kholapure	Prof. Vandana Jitendra Stam			EXTC	Smart Pantry Car Service for Indian railways	85000	AP	
171	MU	RESEARCH	2019-20	Dr. Irfan Siddavatam	Prof. Ashwini Dalvi	Prof. Dipti Pawde		IT	IOT Based Crowd analysis and management at railway foot over bridge	80000	AP	
170	MU	RESEARCH	2019-20	Dr. Ujwala M. Bhangale	Prof. Pooja Malhotra	Prof. Kiran Kumari Sinha		COMP	Instant crowd estimation at hype places (such as religious places, railway stations, etc) for effective	80000	AP	
169	MU	RESEARCH	2019-20	Prof. Kiran Kumari	Prof. Pooja Malhotra	Prof. Ujwala Bhangale		COMP	Location based real time waterlogging detection, information and monitoring	65400	AP	
168	MU	RESEARCH	2019-20	Prof. Ramola Sinha				MECH	Experimental Investigation of Parabolic dish receiver system heat recovery for process heat application	110000	AP	
167	MU	RESEARCH	2019-20	Prof. Ruchira Jadhav	Dr. K. N. Patil			EXTC	Design of battery management system for Electric Vehicle	116771	AP	
166	Child Investment Fund Foundation, UK	RESEARCH	2019-20	Dr. Irfan Siddavatam	Prof. Ashwini Dalvi	Prof. Sagar Korade		IT	Landscape Analysis for Online child trafficking and online child sexual exploitation	6600000	ON	
165	IND-Ecological Services Pvt. Ltd	RESEARCH	2019-20	Dr. K N Patil				MECH	A solution for managing industrial effluent efficiently	-	ON	

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164	RON University	RESEARCH	2019-20	Dr. K N Patil				MECH	Solar Air driers for the Moringa Leves at Narehwadi	-	ON	
163	IND - Water Mapper	RESEARCH	2019-20	Prof. Kartik Patel	Dr. K N Patil			EXTC	Water Level Monitoring system development	-	ON	
162	Michigan State University	RESEARCH	2019-20	Dr. K N Patil	Prof. Muzzmil A.			MECH	Bio-Char for Fertilizer production	-	ON	
161	MMR-EIS	RESEARCH	2019-20	Prof. Pranoti Chinmay Joshi - Khanolkar				HSS	Development of experiential learning manual for the "Environmental studies and awareness" educators	602100	AP	
160	IND -Godavari Bio-Refinery	RESEARCH	2019-20	Prof. Pragya Gupta	Prof. Parul Sindhiwad			ETRX	IoT Based Brainwave, Emotion Stress Detection Using LabVIEW	35000	AP	
159	IND -Godavari Bio-Refinery	RESEARCH	2019-20	Prof. Sudha Gupta	Prof. Chaitali Kulkarni			ETRX	Design and development of automated urine analyzer for public toilets to prevent from urinary tract infections	24680	AP	
158	IND -Godavari Bio-Refinery	RESEARCH	2019-20	Dr. K N Patil				MECH	Solar Chulla for Mass Population	52330	AP	
157	IND -Godavari Bio-Refinery	RESEARCH	2019-20	Prof. Ankit Khivsara	Prof. Rohini Deshpande	Dr. JH Niraml		EXTC	Economically viable system that can predict and detect heart attacks	30000	AP	
156	IND -Godavari Bio-Refinery	RESEARCH	2019-20	Dr. Jitendra Satam	Dr. K N Patil			HSS	Conversion of sugarcane bagasse to activated carbon and study of its applications in effluent water purification for the removal of different organic pollutants	170000	AP	
155	IND -Godavari Bio-Refinery	RESEARCH	2019-20	Prof. Uday P. Chhatre	Mrs. Prof. Shila N. Dhande			ETRX	Development of Arduino-Controller / myRIO-LabVIEW based Aeroponic System for the Cultivation of Edible Plants / Vegetables	42500	AP	
154	IND -Godavari Bio-Refinery	RESEARCH	2019-20	Prof. Mansai Kamble	Prof. Suhma Kadge			ETRX	Automation of Wheelchair using brain-computer Interface	70000	AP	
153	NESAC-ISRO	RESEARCH	2019-20	Dr. Jyoti Joglekar	Dr. Dibyajoti	Dr. Manish Potey	Dr. Ramesh Lekurwale, Prof. Bhakti Palkar	COMP	Design and development of a Physical Working Prototype to showcase an optimized algorithm and software for Mapping Elevation (Geo-referencing) using Swarm of Autonomous UAVs (Drones)	1095000	ON	
152	National Bulk Handling Corporation Pvt. Ltd. (NBHCL)	CONSULTANCY	2019-20	Dr. Irfan Siddavatam	Prof. Ashwani Dalvi	-	-	IT	Finding out the percentage of physical parameters such as Broken, Discoloured, damaged etc. using Image analysis of commodities like Wheat, Paddy, Rice	4,18,000	ON	
151	Pure Birds	CONSULTANCY	2019-20	Dr. K N Patil	Prof. C. P. Joshi (SIMSR)	-	-	MECH	Stand Alone PV system design and installation at Two Locations	8,00,000 Budget	ON	
150	DST-BIRAC	RESEARCH	2019-20	Dr. Ramesh Lekurwale	Dr. Sonali Patil	Shilpa Babhumre		MECH-IT	The development of the facility to innovate the medical devices and surgical instruments	2880000	Call for presentation at BIRAC SNA	
149	DST-SERB	RESEARCH	2018-19	Dr. S. R. Nikam	-	-	-	MECH	Effect of Microjet Injection on Acoustic Characteristics of Compressible Jet Flow	2232000		
148	DST-SERB	RESEARCH	2018-19	Dr. Ramesh Shettar	Prof. Shivangi Thakkar	-	-	MECH	A Novel green and sustainable technique to utilize the sugar case bagasse for making food grade paper	4310000	AP	
147	DRDO-CARS	CONSULTANCY	2018-19	Dr. Becky Thomas	Dr. Kashinath N Patil	Dr. Paravti J R	-	MECH	Development of Field assay/device for rapid detection of antibiotic susceptibility using Resazurin Method	240000	ON	
146	DST-RFBR	RESEARCH	2018-19	Dr. Patil (KAIR)	Dr. Jyoti Joglekar	-	-	COMP	Development of methods for in-season monitoring sugarcane crop in Peninsular India using Earth Observations for precision water and management	1200000	ON	
145	ISRO-RESPOND	RESEARCH	2018-19	Dr. Jyoti Joglekar	-	-	-	COMP	Deepfire/Deep learning system for forest fire risks, detection and assessment	2635000	Accepted with modification	
144	BMGF (Bill and Melinda Gates Foundation)	RESEARCH	2018-19	Dr. Jyoti Joglekar	Dr. B. Krishna Mohan	-	-	COMP	Tools and Technologies for Broad-Scale Disease Surveillance of Crop Plants in Low Income Countries	USD 100000(One Lakh USD)	SNA	
143	DST (Entrepreneurship Development Institute of India (DST))	RESEARCH	2018-19	Dr. Kashinath N Patil	Anushri Joshi	Inderjit S. Dhanjal, Hetal	Hetal Mudra, Yogesh Tamhane, Amit Yadav	MECH	NewGen IDEC	287,50,000	AP	
142	RGTM (Rajiv Gandhi Technology Mission Maharashtra)	RESEARCH	2018-19	Prof. Rajesh Pansare	Dr. S. R. Nikam	-	-	MECH	Thermoelectric cooler by Solar Energy	130000	SNA	
141	RGTM (Rajiv Gandhi Technology Mission Maharashtra)	RESEARCH	2018-19	Dr. S. S. Bhusnoor	Prof. Atul Saraf	-	-	MECH	Experimental Studies for Control of Oxides of Nitrogen and Particulate Matter from Engine Exhaust	980000	SNA	

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140	RGTM (Rajiv Gandhi Technology Mission Maharashtra)	RESEARCH	2018-19	Dr. Kashinath N Patil	-	-	-	MECH	Development of self-contained unit for Boiling-Drying and Grinding of Turmeric Drying by solar route	1080000	SNA	
139	RGTM (Rajiv Gandhi Technology Mission Maharashtra)	RESEARCH	2018-19	Dr. Kashinath N Patil				MECH	Development of Novel Double Utility Continuous salt and distilled water production by Solar Concentrator	995000	SNA	
138	RGTM (Rajiv Gandhi Technology Mission Maharashtra)	RESEARCH	2018-19	Prof. Rajesh Pansare	Dr. R. R. Lekurwale			MECH	Investigation and Evaluation of Mechanical properties of 3D printed metals products with conventionally manufactured product.	145000	SNA	
137	MU	RESEARCH	2018-19	Dr. Samidha Kulkarni	Dr. J H Nirmal			ETRX	Multi-purpose Agricultural Robot	51000	SNA	
136	MU	RESEARCH	2018-19	Prof. Arati S Phadke	Dr. J H Nirmal			ETRX	Real Time Soil Quality analysis using Machine learning	30000	SNA	
135	MU	RESEARCH	2018-19	Prof. Pragya Gupta	Prof. Parul Sindhwad			ETRX	IoT Based Brainwave, Emotion Stress Detection Using LabVIEW	35000	SNA	
134	MU	RESEARCH	2018-19	Dr. J H Nirmal	Prof. Parul Sindhwad			EXTC	Smart IoT Based Pollution Monitoring System Using Deep Learning	48500	SNA	
133	MU	RESEARCH	2018-19	Prof. Shoba Gopalkrishan	Prof. Pragya Gupta			ETRX	IOT Based Silent Dynamic Public Address System for a Pilot Campus	22700	SNA	
132	MU	RESEARCH	2018-19	Prof. Sandeep Hanmante	Prof. Parul Sindhwad	Prof. Mahesh Warang		ETRX	Design of IOT Based Smart System for Sudden Infant Death Syndrome Prevention	37700	SNA	
131	MU	RESEARCH	2018-19	Prof. Milind S Marathe	Dr. J H Nirmal			ETRX	Design and development of Micro Grid Test Bed	69975	SNA	
130	MU	RESEARCH	2018-19	Prof. Makarand Kulkarni	Dr. J H Nirmal	Prof. Anagha Raich		ETRX	Early Detection and Classification of Cardiac Arrhythmias Based on Electrocardiogram (ECG) and Phonocardiogram (PCG)	50000	SNA	
129	MU	RESEARCH	2018-19	Prof. Sudha Gupta	Prof. Chaitali Kulkarni			ETRX	Design and development of automated urine analyzer for public toilets to prevent from urinary tract infections	24680	SNA	
128	MU	RESEARCH	2018-19	Prof. Amrita Naikstatm	Dr. Sudha Gupta			ETRX	Information of accident or any mishap occurred in a remote area or during odd hours	22600	SNA	
127	MU	RESEARCH	2018-19	Prof. Shila N Dhande	Prof. Uday P Chhatre			ETRX	Interactive e-Musical System for the functional development of Person-with-disability (PwD) using LabView	72000	SNA	
126	MU	RESEARCH	2018-19	Prof. Kirtri Sawlani	Dr. J H Nirmal			ETRX	Low cost Development of Electronic Gloves for finger exercise	70000	SNA	
125	MU	RESEARCH	2018-19	Prof. Vilas Dhore	Dr. Kashinath N Patil			MECH	Handloom Power Train and Noise Control	47900	SNA	
124	MU	RESEARCH	2018-19	Prof. Ameya Gawde	Dr. R G Karandikar	Dr. K N Patil		EXTC	Microcontroller based online support system for maintenance and monitoring electrical and physical parameters of solar PV panel	87700	ON	
123	MU	RESEARCH	2018-19	Dr. K N Patil				Mechanical	Solar Chulla for Mass Population	52330	SNA	
122	MU	RESEARCH	2018-19	Prof. Rachana Desai				H&S	Extended Generalized Wright Type Hypergeometric Function	70000	ON	
121	MU	RESEARCH	2018-19	Prof. Archana S Sharma				H&S	Surface engineering of semiconductor Nanostructures to control their optical and Magnetic properties	71000	SNA	
120	MU	RESEARCH	2018-19	Prof. Ruchira Jadhav	Prof. Esther J Issac			EXTC	IOT based Library Automation System	67,600	SMA	
119	MU	RESEARCH	2018-19	Prof. Sandeep Chopade				MECH	Viscosity studies of molten salts for solar thermal applications	99,500	SNA	
118	MU	RESEARCH	2018-19	Prof. Chitra B Menon				MECH	Design and development of prototype of an open loop indigenous automated radioactive medicine dispenser	50,000	ON	
117	MU	RESEARCH	2018-19	Prof. Ankit Khivsara	Prof. Rohini Deshpande	Dr. J H Nirmal		EXTC	Economically viable system that can predict and detect heart attacks	49,000	SNA	

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116	MU	RESEARCH	2018-19	Dr. S. S. Bhusnoor	Prof. Yogita Yerme			MECH	Experimental studies on recovery of heat energy from engine exhaust gas using heat pipe heat exchanger	1,20,000	ON	
115	MU	RESEARCH	2018-19	Prof. Ashwini Dalvi	Prof. Irfan Siddavatam			IT	"Spot and Help" Wearable Location Tracker for People with Alzheimer's or Dementia	50,000	SNA	
114	MU	RESEARCH	2018-19	Prof. Shailesh Nikam				Mechanical	Flow control of impinging jet for heat transfer enhancement of flat impinging surface	80,000	SNA	
113	MU	RESEARCH	2018-19	Dr. Jitendra Satam	Dr. Pushendra Rai			HSS	Bio-catalyzed abatement of organic chlorophenols in effluent wastewater	85,000	ON	
112	MU	RESEARCH	2018-19	Dr. Pushendra Rai	Dr. Jitendra Satam			HSS	Ultrasound assisted enzymatic degradation of organic dyes in industrial wastewater	95,000	SNA	
111	MU	RESEARCH	2018-19	Dr. N R Gilke	Dr. Kashinath N Patil			MECH	Solar storage type pool air drying system for pearl industry	49,000	SNA	
110	MU	RESEARCH	2018-19	Prof. Khushi Khanchandani	Prof. Irfan Siddavatam	Prof. Ashwini Dalvi		IT	IOT based Emergency Response System using Video Stream Analysis	50,000	SNA	
109	MU	RESEARCH	2018-19	Prof. Suchitra Patil	Prof. Irfan Siddavatam	Prof. Ashwini Dalvi		IT	Portable Network Log Analyzer for Forensic Analysis	50,000	SNA	
108	MU	RESEARCH	2018-19	Prof. Vijay Bhosale	Dr. N R Gilke	Prof. S A Hanumante	Prof. Viabhav Narwane	MECH	Design and Fabrication of Material handling system to prevent musculoskeletal disorder in shop floor worker	49,000	SNA	
107	MU	RESEARCH	2018-19	Prof. Sujata Pathak	Dr. Sonali Patil			IT	Smart Fire Evacuation system with Congestion	55,000	SNA	
106	MU	RESEARCH	2018-19	Dr. Sonali Patil	Prof. Sujata Pathak			IT	Smart Warehouse Management and cost prediction system using IOT	48,000	SNA	
105	MU	RESEARCH	2018-19	Prof. Avani Sakharpa	Prof. Dipti Pawade	Prof. Irfan Siddavatam		IT	Fraud detection and mentoring of water tankers using IOT based system	69,400	ON	
104	MU	RESEARCH	2018-19	Prof. Dipti Patole	Prof. Sunayana Jahav	Prof. Sagar Korade		IT	Navigation Assistant for visually impaired person	43,000	SNA	
103	MU	RESEARCH	2018-19	Prof. Purnima Ahirao				IT	Security surveillance using facial recognition for smart cities	50,000	SNA	
102	MU	RESEARCH	2018-19	Prof. A. P. S. Bhadauria	Dr. Kashinath N Patil			MECH	Development laboratory scale charcoal production cum bio-oil of biomass pyrolysis	44,200	SNA	
101	MU	RESEARCH	2018	Prof. Era Johri	Prof. Akshita Prabhu			IT	Energy in Railways	35,600	SNA	
100	MU	RESEARCH	2018-19	Prof. Atul Saraf	Dr. S S Bhusnoor			MECH	Performance analysis of vapour absorption refrigeration system using engine exhaust as a hot fluid for regenerator	1,00,000	ON	
99	MU	RESEARCH	2018-19	Prof. Deepak Kulkarni	Prof. Mahesh Warang	Prof. Parul Sindhwad		EXTC	Automated Drip irrigating system for hoe gardening	38,500	ON	
98	AICTE	RPS	2017-18	Dr. D H Sharma				COMP	Security Lab: Private Cloud Computing Infrastructure	5,52,941	AP	
97	AICTE	MODROB	2017-18	Dr. J H Nirmal				ETRX	Image processing Lab	19,60,000	AP	
96	AICTE	RPS	2017-18	Dr. Sudha Gupta				ETRX	Single Processing Lab: IOT based solar power station monitoring	23,53,294	AP	
95	AICTE	RPS	2017-18	Dr. Kashinath N Patil				MECH	Renewable lab: Dye sensitized solar cell	11,10,058	AP	
94	AICTE	FDP	2017-18	Dr. N R Gilke				MECH	MCDM for Manufacturing	455,000	AP	
93	AICTE	MODROB	2017-18	Dr. Ramesh Lekurwale				MECH	CAD/CAM Lab: Micro Milling Station	19,88,235	AP	

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92	CPRI	RESEARCH SCHEME ON POWER (RSOP).	2017-18	Dr. Sudha Gupta	Dr K N Patil	Prof. Irfan N. A. Siddavatam	Dr. J H Nirmal	ETRX	IOT Based Solar Power Plant Monitoring and Control: A Pilot Project for Smart College Campus.	41,01,680	AP	
91	DST-SERB	RESEARCH	2017-18	Dr. Manoj Powar				MECH	Effect of Fiber Direction and Stacking Sequence on Mechanical and Erosive Wear Characteristics of Polymer Composite for Wind Turbine Blade	19,32,000	AP	
90	KJSCB (K.J.Somaiya Centre for Buddhist and shifted to Sakharwadi at Jetwan)	CONSULTANCY	2017-18	Dr Ramesh Lekurwale				MECH	Paper Cutting Machine	55,000	CT	Machine delivered
89	MU	RESEARCH	2017-18	Prof. Priyanka Patil	Dr N R Gilke	Dr K N Patil		MECH	Evaporative dessert cooler	34000	CT	
88	MU	RESEARCH	2017-18	Dr. Santosh A. Mani				HSS	Thermal And Optical Characterization Of Quantum Dots Dispersed In Liquid Crystal System	93500	CT	
87	MU	RESEARCH	2017-18	Mrs.Pradnya S Gotmare	Dr. Kashinath N Patil	Nilesh Lakade		COMP	IoT based system for monitoring and management of pH parameters	76000	CT	
86	MU	RESEARCH	2017-18	Dr. Shubha Pandit	Dr. Kashinath N Patil	Dr Parvathi JR		EXTC	Development of eco-friendly and sustainable packaging material with coconut shell powder, paper and egg shells	72,000	CT	
85	MU	RESEARCH	2017-18	Mrs. Savita C. Raut	Mrs. Sharvari P. Deshmane			EXTC	Solar Powered Surveillance System for The Detection of Human Activity In Naxal Prone Areas	86000	CT	
84	MU	RESEARCH	2017-18	Prof. Smita R. Sankhe	Dr. Kashinath N Patil	Prof. Nilesh A. Lakade		COMP	IoT Based Water dissemination system for different Crops	58400	CT	
83	MU	RESEARCH	2017-18	Prof. Mrs. Annu Abraham	Prof. Uday P. Chhatre			ETRX	Root-Noid:Autonomous Plant-Root With Growth And Environmental Sensing- Cum- Interactive Abilities.	58000	CT	
82	MU	RESEARCH	2017-18	Mrs. Lekha Das	Dr J H Nirmal			ETRX	Fuzzy Logic Based Farm Automation Using Arduino and LabVIEW with X-Bec	25000	CT	
81	MU	RESEARCH	2017-18	Prof. V. V. Bhosale	Dr. N.R. Gilke	Dr. Kashinath N Patil		MECH	Road Filling Kittle To Utilize Plastic Waste	81000	SNA	
80	MU	RESEARCH	2017-18	Dr R. R. Lekurwale	Dr. N. R. Gilke			MECH	Development of Abrasive air jet matching for profile cutting	52000	SNA	
79	MU	RESEARCH	2017-18	Prof. Anil Thosar	Dr. Kashinath N Patil			MECH	Solar Turmeric Drying cum Grinding unit	143000	SNA	
78	MU	RESEARCH	2017-18	Prof. Arati S. Phadke	Dr. Jagannath H Nirmal			ETRX	Real Time Soil Quality Analysis using Machine Learning	30000	SNA	
77	MU	RESEARCH	2017-18	Dr. Jagannath H Nirmal	Dr. Samidha Kulkarni			ETRX	Low Cost Development of Electronic Gloves for Finger Exercise	53000	SNA	
76	MU	RESEARCH	2017-18	Dr. Shailesh R. Nikam				MECH	Effect of Chevron on Heat transfer distribution on flat plate in impinging compressible jet	100000	SNA	
75	MU	RESEARCH	2017-18	Prof. Mrs. Amrita Y. NaikSatam	Prof. Uday P. Chhatre			ETRX	Design and Development of e-Nose using MOSFET based WTA logic for Real-Time Monitoring of Pollution	59000	SNA	
74	MU	RESEARCH	2017-18	Ms. Ashwini Dalvi	Mr. Irfan Siddavatam			IT	Securing IoT Application with Blockchain	70000	SNA	
73	MU	RESEARCH	2017-18	Prof. V S Narwane	Prof. V. V. Bhosale			MECH	Furnace Temperature controller with PID and Fuzzy logic controller	43821	SNA	
72	MU	RESEARCH	2017-18	Ms. Avani Sakhapara	Mrs. Dipti Pawade	Mrs. Ujwala Bhanghale		IT	Brain Relaxation Tool to improve problem solving capability	62000	SNA	
71	MU	RESEARCH	2017-18	Ms. Deepti Patole	Mr. Irfan Siddavatam			IT	IOT based solid waste segregation and collection management system	50000	SNA	
70	MU	RESEARCH	2017-18	Prof. Mrs. Shila N. Dhande	Prof. Uday P. Chhatre			ETRX	Design and Development of Interactive-Musical Instruments for The Development of Special Children	69000	SNA	
69	MU	RESEARCH	2017-18	Prof. S. Rajanarasimha	Dr. Kashinath N Patil			MECH	Development of Double Sloped Solar Still	42000	SNA	

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68	MU	RESEARCH	2017-18	Dr. Samidha Kulkarni	Dr. Jagannath H Nirmal			ETRX	Multi-purpose Agricultural Robot	51000	SNA	
67	MU	RESEARCH	2017-18	Mrs. Vandana J. Satam	Dr. Shikha Nema			EXTC	Design and Development of High Gain Antenna using Advance Techniques for Wireless Communication Systems	90000	SNA	
66	MU	RESEARCH	2017-18	Prof. A. K Gangrade	Dr. Kashinath N Patil			MECH	Design and Development of Multi Crop Solar heat drying	107000	SNA	
65	MU	RESEARCH	2017-18	Dr. Jagannath H Nirmal	Dr. Samidha Kulkarni			ETRX	Low Cost Development of Electronic Gloves for Finger Exercise	53000	SNA	
64	MU	RESEARCH	2017-18	Dr. Luckman Muhmood				MECH	Viscosity studies of molten salts for Solar Thermal Applications	99500	SNA	
63	MU	RESEARCH	2017-18	Dr. Archana S. Sharma				HSS	Development Of Novel Semiconductor Oxide Nanostructures For Gas Sensor Applications	100000	SNA	
62	MU	RESEARCH	2017-18	Prof. Arati S. Phadke	Dr. Jagannath H Nirmal			ETRX	Real Time Soil Quality Analysis using Machine Learning	30000	SNA	
61	MU	RESEARCH	2017-18	Dr. Kashinath N Patil				MECH	Solar Herbs Drying cum Grinding unit	88000	SNA	
60	MU	RESEARCH	2017-18	Dr. Kanak Lata Tiwari				HSS	Lack of communication skills and non-proficiency in English results in un-employability of Engineers	55000	SNA	
59	MU	RESEARCH	2017-18	Milind S. Marathe				ETRX	Design And Development Of Efficient 1kw Solar Energy Harnessing System With SPV Qualification Testing	75000	SNA	
58	MU	RESEARCH	2017-18	Dr. Shuda Gupta	Dr. J. H. Nirmal			ETRX	Design and Development of Micro Grid Test Bed	69975	SNA	
57	MU	RESEARCH	2017-18	Dr. R. G. Kandikar	Dr. Kashinath N Patil			EXTC	Fabrication of PV Solar Panel Testing Device for Replacement	87700	SNA	
56	MU	RESEARCH	2017-18	V. G. Dhore	Dr. Kashinath N Patil			MECH	Design and Development of Novel Double Utility Continuous salt and distilled water production by Solar Concentrator	94000	SNA	
55	MU	RESEARCH	2017-18	Prof. Shivangi Thakkar				MECH	Design and Development of Green packaging material from Sugarcane Bagasse to replace Bubble wraps	95000	CT	
54	KJSCE	RESEARCH	2017-18	Dr. Kashinath N Patil				MECH	Design and Development of Novel Double Utility Continuous Salt and Distilled Water Production by Solar Concentrator	30000	CT	Paper Published in Material Today-2018
53	KJSCE	RESEARCH	2017-18	Dr. Kashinath N Patil				MECH	Turmeric Drying cum Grinding Unit	40000	CT	Paper Published in Material Today-2018
52	KJSCE	RESEARCH	2017-18	Dr. Kashinath N Patil				MECH	Solar Herb drying cum grinding unit and multi crop drying	20000	CT	Paper Published in Material Today-2018
51	KJSCE	RESEARCH	2017-18	Dr. Kashinath N Patil				MECH	Choke Monitoring System for Bio-Toilets	20000	CT	Copyright Field
50	KJSCE	RESEARCH	2017-18	Dr. Ramesh Lekurwale				MECH	Betic Lab	80000	CT	
49	KJSCE	RESEARCH	2017-18	Dr. Ramesh Lekurwale				MECH	Betic Lab	60000	CT	
49-a	DST-AMT	RESEARCH	2017-18	Dr. Ramesh Lekurwale				MECH	Investigation and Evaluation of Mechanical properties of 3D printed metals products with conventionally manufactured product.	4723677	SNA	
48	KJSCE	RESEARCH	2017-18	Dr. Jitendra Satam				HSS	Soft water production process	3000	CT	
48-a	L&T Automation	CONSULTANCY	2016-17	Dr. Kashinath N Patil	Prof. V. G. Dhore	Prof. P. P. Patil		MECH	Design of containerised sub-station	258750	CT	
47	IND (Tiranga Pearl and Beads)	RESEARCH	2016-17	Dr. Kashinath N Patil				MECH	Solar drying solution for Pearls	At Actual	ON	

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Sr. No.	Funding Agency	Type of Project	Year	Project Investigator	Co-Project Investigator	Co-Project Investigator	Co-Project Investigator	Department	Title Proposal	Budget (Rs)	Status	Remarks
46	IND (SA Textiles)	RESEARCH	2016-17	Dr. Kashinath N Patil				MECH	Solar Incinerator cum Hot Water Generator for Textile Industry	108000	CT	
45	DST-SERB	RESEARCH	2016-17	Dr. Lukman M.				MECH	Oxide Mixtures as heat transfer fluids in Concentrating Solar power plants	3711000	ON	
44	MU	RESEARCH	2016-17	Dr. N.R. Glike	Dr. K. N. Patil			MECH	Solar Absorption Refrigeration System	52,000	CT	Copyright Filed
43	MU	RESEARCH	2016-17	Dr. Kashinath N Patil				MECH	Technology development for Jaggery and Ice production from sugar cane by refrigeration	70,000	CT	Ph.D. Research
42	MU	RESEARCH	2016-17	Dr. Aneya Naik				EXTC	Dietary Assessment using Medical Imaging and Pattern Recognition Techniques	74,090	CT	
41	MU	RESEARCH	2016-17	Ramola Sinha				MECH	Experimental Investigation of Solar Cavity Receiver for Industrial Process Heating	75,000	CT	M.Tech. Research
40	MU	RESEARCH	2016-17	Irfan Siddavatam	Ashwini Dalvi			IT	Black Button Data: Pollution Data provider	70,000	CT	
39	MU	RESEARCH	2016-17	Dr. S. S. Bhusnoor				MECH	Experimental Studies for Control of Nanoparticle from engine exhaust using Alternative Fuels	2,10,000	CT	
38	MU	RESEARCH	2016-17	Mr. A. P. Bhaodoriya	Dr. A G Bhawe			MECH	Development of laboratory scale unit for solar powered biomass pyrolysis for bio-oil production	45,000	CT	
37	MU	RESEARCH	2016-17	N.S. Chandrashekhar	Dr. J. R. Satam			MECH	Development of Photo-curable Composition for MIP-SLA 3D-Printing Machine Using Digital Light Processing	1,00,000	CT	
36	MU	RESEARCH	2016-17	Dr. J. R. Satam				HSS	Development of Magnetic Nano-catalysts for the Photo-degradation of Organo-chlorine and Organo-phosphorus Pesticides	1,10,000	CT	
35	MU	RESEARCH	2016-17	Dr. Druman Ramesh Utekar				HSS	Synthesis of hydrazone based dibenzo-crown ether dye and study of its colorochromic properties with and without cation binding	95,000	CT	
34	MU	RESEARCH	2016-17	Swati Mahajan	Dr. Kashinath N Patil			ELTL	Design and development of solar PV panel soiling station and evaluation of soiling losses	1,25,000	CT	
33	MU	RESEARCH	2016-17	Mr. Sandeep R. Sainkar	Deepak Kulkarni			EXTC	Design and Development of active & passive devices for Enhancement of Antenna & Microwave laboratory facility	72,000	CT	
32	MU	RESEARCH	2016-17	Dr Ramesh Lekurwale				MECH	Design and manufacturing of nozzle for abrasive water jet machine	67000	SNA	
31	MU	RESEARCH	2016-17	Dr J H Nirmal	Prof. R A Deshpande				Early Detection and Classification of Cardiac Arrhythmias based on Electrocardiogram (ECG) and Phonocardiogram (PCG)	50000	SNA	
30	MU	RESEARCH	2016-17	V. G. Dhore	Dr. Kashinath N Patil			MECH	Aluminium composite by Powder Injection molding route	70000	SNA	
29	AICTE	RPS	2016-17	Dr Kashinath N Patil				MECH	Solar Air Drying System	828500	SNA	
28	AICTE	MODROB	2016-17	Dr J H Nirmal				ETRX	Image Processing Lab	1639600	SNA	
27	KJSCE	RESEARCH	2016-17	Dr Kashinath N Patil				MECH	Motion Sensor Triggered brief announcement System	5000	CT	Copyright Filed
26	KJSCE	RESEARCH	2016-17	Dr Kashinath N Patil				MECH	Intelligent Linen Counting System	20000	CT	Copyright Filed
25	KJSCE	RESEARCH	2016-17	Dr Kashinath N Patil				MECH	Per Warning System for Water Availability	10000	CT	Copyright Filed
24	KJSCE	RESEARCH	2016-17	Dr Kashinath N Patil				MECH	Solar Incinerator	25000	CT	
23	KJSCE	RESEARCH	2016-17	Dr Kashinath N Patil				MECH	Steam Based Cooking system	20000	CT	Paper Published at IIT Bombay

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22	KJSCE	RESEARCH	2016-17	Dr Kashinath N Patil				MECH	Vacuum Drying System	50000	CT	Patent Filed
21	KJSCE	RESEARCH	2016-17	Dr Kashinath N Patil				MECH	Oil Filter Testing Assembly	20000	CT	
20	KJSCE	RESEARCH	2016-17	Dr Kashinath N Patil				MECH	Solar Cavity Receiver	20000	CT	Mumbai University Project
19	KJSCE	RESEARCH	2016-17	Dr. Ramesh Lekurwale				MECH	Abrasive Jet Machining	14050	CT	
18	UGC	RESEARCH	2016-17	Dr. Ramesh Lekurwale				MECH	Design and development of low cost abrasive water jet machine	1800000	SNA	
17	KJSCE	RESEARCH	2015-16	Dr Kashinath N Patil				MECH	Solar PV Lighting solution for Office	2200	CT	
16	IND (ATE Industries)	CONSULTANCY	2015-16	Dr Kashinath N Patil				MECH	Metal Composite with carbon Nanotubes by PIM route	150000	CT	One Phd Scholar completed his thesis and other Research Scholar working on the facility developed.
15	UGC	RESEARCH	2015-16	Dr. N. R. Gilke				MECH	Development of the Triple Utility Solar Concentrator Based Vapour Absorption System	4.95.000	SNA	
14	UGC	RESEARCH	2015-16	Dr Kashinath N Patil				MECH	Development of Self Contained Cabinet for Vaccination Box by Solar PV based System	230000	SNA	
13-a	DST	RESEARCH	2015-16	Dr. Lukman Mahmmod	Dr Kashinath N Patil			MECH	Development of oxide mixtures for heat transfer applications in concentrating solar power power plat	3691000	After Presentation Proposal not	
13	UGC	RESEARCH	2015-16	Dr. Lukman Mahmmod				MECH	Manufacture and testing of Aluminum alloy metallic foams for improved impact properties	417000	SNA	
12	UGC	RESEARCH	2015-16	Dr S S Bhusnoor				MECH	Control of Fine Particles from Engine Exhaust using Particle Transport Mechanisms	500000	SNA	
11	UGC	RESEARCH	2015-16	Dr Ramesh Lekurwale	Dr Kashinath N Patil			MECH	Design and Development of Novel Floating Carriage for Salt Generation Trough Solar Concentrator	340000	SNA	
10	UGC	RESEARCH	2015-16	Dr Ramesh Lekurwale				MECH	Design and development of low cost abrasive water jet machine	380000	SNA	
9	UGC	RESEARCH	2015-16	Dr J H Nirmal				ETRX	Voice based Larynx cancer detection	85000	SNA	
8	UGC	RESEARCH	2015-16	Dr Jitendra Satam				HSS	Development of magnetically separable nano-catalysts for the synthesis of medicinally important organic intermediates	355000	SNA	
6	UGC	RESEARCH	2015-16	Dr. A G Bahve				MECH	Development of receiver cum thermal storage cooking device for a parabolic dish concentrator type solar cooker	300000	CT	
5a	MU	RESEARCH	2015-16	Pushpendra Rai				HSS		30000	CT	
5	UGC	RESEARCH	2015-16	Prof. N S Chandrashekhar				MECH	To design and fabricate a machine for creation of tactical objects using digital light processing Technology	240000	CT	
4a	KJSCE	RESEARCH	2014-15	Dr. K. N. Patil				MECH	Concentrator Solar Cooker Testing and Evaluation	30000	CT	
4b	KJSCE	RESEARCH	2014-15	Dr. K. N. Patil				MECH	Solar Absorption System	45000	CT	
4c	ACB	RESEARCH	2014-15	Swati Mali				COMP	Management information system (MIS) for ACB, Database software	5000	CT	
4	BARC	CONSULTANCY	2014-15	Mr. B R Prabhu				ETRX	Repair of Laser Power Control System of the Laser Flash Thermal Diffusivity measuring equipment	48000	CT	
3	BARC	CONSULTANCY	2013-14	Mr. B R Prabhu				ETRX	Design, Development and supply of Process Mimic Display software and accessories	98877	CT	

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2	IND (Godavari Bio refineries Limited Sameewadi Mudhol Bagalkot, Karnataka 587316)	CONSULTANCY	2013-14	Prof. Avinash Prabhudesai				MECH	Trash Suction System and Engine cooling system	12,00,000	CT	
1	KJSCE	RESEARCH	2013-14	Dr Kashinath N Patil				MECH	Concentrator Solar Cooker Testing and Evaluation	45000	CT	
XVII I	MU	RESEARCH	2013-14	Prof. S. S. Bhusmoor				Mech	Design and Development of Air Cooled Heat Exchanger	25000	CT	
XVII	Godavari Bio refineries Limited	RESEARCH	2013-14	Avinash A. Prabhudesai				Mech	Trash Suction System and Engine cooling system	1200000	CT	
XVI	MU	RESEARCH	2012-13	Nitin Nagori				EXTC		2000	CT	
XV	MU	RESEARCH	2012-13	Prof. Anil Thosar				ETRX		10000	CT	
XIV	MU	RESEARCH	2012-13	Ameya Naik				EXTC		25000	CT	
XIII	MU	RESEARCH	2012-13	Manish Potey	Pallavi Kulkarni	Suchita Patil, Nirmala Shinde, P Saidepti		COMP	Software for Online updating examiner panel (OUEP)	0	CT	
XII	MODROB –AICTE	RESEARCH	2012-13	Dr. A. G. Bhawe				Mech	Renewable Energy Laboratory	700000	CT	
XI	MU	RESEARCH	2009-10	Prof. Sanjay Bhandari				Mech	Temperature Distribution in Regenerator	36000	CT	
X	MU	RESEARCH	2009-10	Prof. B.M.Pradhan				Mech	Design Manufacturing and Testing for Regenerative Brake for 3 wheeler	49000	CT	
IX	MU	RESEARCH	2009-10	Prof Divya Padmanabhan				Mech	Design and Fabrication of semi-automatic Injection Moulding Machine	40000	CT	
VIII	KJSCE	RESEARCH	2009-10	Irfan Siddavatam				IT	Evaluation of Green LT. in Software	17000	CT	
VII	KJSCE	RESEARCH	2009-10	Samidha Kulkarni				ETRX	Implementation of parametric Equalization	16000	CT	
VI	KJSCE	RESEARCH	2009-10	Prof. Sanjay Bhandari				Mech	Study of Temperature Distribution in Regenerator used for Stirling Engine Pulse tube Refrigerator	23000	CT	
VI	KJSCE	RESEARCH	2009-10	Prof Divya Padmanabhan				Mech	Injection Moulding to Shape Ceramics	25000	CT	
V	KJSCE	RESEARCH	2009-10	Dr.J H Nirmal				ETRX	Motion Tracking	20000	CT	
IV	KJSCE	RESEARCH	2009-10	Deepak Kulkarni				EXTC	Object recognition and tracking robot	20000	CT	
III	KJSCE	RESEARCH	2009-10	Prasanna Shete				COMP	WiFi Enabled Campus	10000	CT	
II	MU	RESEARCH	2005-06	Mr. Uday Chhatre				ETRX		34500	CT	
I	M/s Unitech- Ultrasonics	RESEARCH	2004-05	Mr. Uday Chhatre	Mrs. Lekha Das			ETRX	Designing of Microcontroller Based Ultrasonic Cleaning machine of 500W	40000	CT	