

Research Activities
(Research Projects and Funding Agencies)



SVERI's College of Engineering,
Pandharpur



SVRI's College of Engineering, Pandharpur

List of Research Projects and Funding Agencies

Sr. No.	Title of the project/proposal	Investigator	Sanctioned Amount in Rs. (Lakh)	Funding Agency	Project Duration
1	Active Twist Control of a Composite Helicopter	Dr. P. M. Pawar	7.88	Aeronautics R & D Board, Govt. of India, New Delhi	2009-2012
2	Design Analysis for Improvement of Manufacturing Process for Minimizing the failures modes of Chain Assembly	Mr. B. D. Gaikwad	15.14	Rajiv Gandhi Science and Technology Commission (RGSTC), Govt. of Maharashtra	2011-2014
3	Development and analysis of smart system with combined use of Magneto-Rheological based dampers and Elastomers	Dr. P. M. Pawar	8.05	All India Council for Technical Education (AICTE), Delhi	2012-2015
4	Study, design and prototype fabrication of high aspect ratio structures in polymers and their molding in nickel by electroforming	Dr. N. D. Misal	24.00	Bhabha Atomic Research Center (BARC), Mumbai	2012-2015
5	Estimation and Reduction of Helicopter Hub Vibratory Forces due to Blade-to-Blade Dissimilarity in Composite Rotor System	Dr. P. M. Pawar	8.16	Dept. of Science & Technology, Govt. of India	2013-2016
6	Setting up Rural human resource development facility with the Technical Guidance and Consultancy from BARC-DAE	Dr. P. M. Pawar	317.89	Rajiv Gandhi Science and Technology Commission, Govt. of Maharashtra	2013-2016
7	Structural Health Monitoring of Composite Rotor Blades under Uncertainties	Dr. P. M. Pawar	12.46	Aeronautics R& D Board, Govt. Of India, New Delhi	2013-2015
8	ICT Enabled School Education in Rural Areas around 15-20 kms from NKN node	Dr. B. P. Ronge	137.00	Rajiv Gandhi Science and Technology Commission, Govt. of Maharashtra, Mumbai	2013-2016
9	Design & Analysis of Micro Feature on Hydrodynamic Bearing for Improving the Tribology Performance	Dr. P. M. Pawar	1.35	UGC-DAE Consortium for Scientific Research, Indore	2015-2018

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10	Fabrication of PMMA Molds for different Aspect Ratio Micro Structures in Metallic Sink Heat	Dr. B. P. Ronge	1.35	UGC-DAE Consortium for Scientific Research, Indore	2015-2017
11	Design, Fabrication and Fluid Flow Analysis of Piezoelectric Micropump for Micro Fluidic Application	Dr. N. D. Misal	1.35	UGC-DAE Consortium for Scientific Research, Indore	2015-2017
12	Structural Health Monitoring using Vibration based Signals	Dr. P. S. Kachare	1.00	Seed Money Proposal, Solapur University, Solapur	2016-2018
13	Modification of Classical Hydraulic Damper into Semi Active Damper using MR Approach	Mr. L. B. Raut	1.00	Seed Money Proposal, Solapur University, Solapur	2016-2018
14	Development of CAD System for the Early Detection of Lung Cancer. Department of Bio-Technology	Ms. V. D. Jadhav	8.00	Department of Bio-Technology, Delhi	2017-2018
15	Development and Process Optimization of 3D PCM Technology for Micro Feature Manufacturing	Dr. A. A. Utpat	26.64	Board of Research in Nuclear Science (BRNS)	2017-2020
16	To strengthening RF and Microwave related activity for UG and PG students, MODROB, AICTE	Dr. A. S. Vibhute	19.57	MODROB, All India Council for Technical Education (AICTE), Delhi	2017-2019
17	Performance Improvement of Biogas Digester by Design Modification.	Mrs. V. S. Kshirsagar	0.85	Solapur University, Solapur	2018-2020
18	Student innovation projects on MSME (MicroSmall and Medium Enterprises) live problems from MASSIA in association with GIZ, New Delhi.	Dr. A. S. Vibhute	1.75	GIZ, New Delhi.	2018-2019
19	Demonstration of Internet connected microscopic images based pathology system for rural health care	Dr. A. S. Vibhute	1.00	Seed Money (Alumni FUND) SVERI's College of Engineering, Pandharpur	2018-2020
20	Performance Improvement of Black Cotton Soil by Addition of Glass Fibers, Geotextiles and Additives	Prof. M. M. Pawar	0.70	PAH Solapur University, Solapur	2019-2021
21	Modernization of Metallurgy Laboratory for Basic Mechanics Integrated Laboratory	Dr. P. M Pawar	14.37	MODROB, All India Council for Technical Education (AICTE), Delhi	2019-2021
22	Modernization of Metallurgy Laboratory for Geotechnical Engineering Laboratory	Dr. P. M. Pawar	11.00	MODROB, All India Council for Technical Education (AICTE), Delhi	2019-2021

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23	Pilot project for exploring the applications and developing business models for utilization Drones like mini air vehicles for Agricultural applications	Dr. P. M. Pawar	45.00	Rajiv Gandhi Science and Technology Commission, Govt. of Maharashtra	2019-2025
24	Fund for improvement of Sand T infrastructure in University and Higher Education Institutes (FIST)	Dr. B. P. Ronge	60.00	Ministry of Science and Technology, Govt. of India	2019-2024
25	Design, Develop, Manufacture, Installation & Commissioning with Trials of Solar Powered Single Tower Pivot Irrigating System	Dr. B. P. Ronge	4.90	RGSTC & PAH Solapur University, Solapur	2019-2021
26	Modernization of Metallurgy Laboratory for surface topography and chemical analysis.	Dr. B. P. Ronge,	14.03	All India Council for Technical Education (AICTE)	2019-2021
27	Modernization of Project Laboratory	Dr. S. S. Apte	10.00	All India Council for Technical Education (AICTE)	2019-2021
28	IOT and microscopic images based pathology system for rural health care	Dr. A. S. Vibhute	4.90	RGSTC & PAH Solapur University, Solapur	2020-2023
29	Environmental Application of Moringa Oliofera	Dr. R. S. Pawar	1.00	Seed Money (Alumni FUND) SVERI's College of Engineering, Pandharpur	2020-2023
30	Low cost PDMS based lenses using-hanging droplets	Dr. R. R. Gidde	0.80	Seed Money from P.A.H. Solapur University, Solapur	2021-2023
31	Optimal design of micro-components for microfluidic applications	Mr. D. D. Ronge	0.75	Seed Money from P.A.H. Solapur University, Solapur	2021-2023
32	Running and Operation & Maintenance of AKRUTI Incubation Centre, Boisar.	Dr. B. P. Ronge	275.00	TMS NPCIL and SVERI	2021-2024