



# Bhivarabai Sawant College of Engineering & Research

Accredited by NAAC with 'A' Grade

(Approved by AICTE & Govt. of Maharashtra, Affiliated to Savitribai Phule Pune University

West/1-3669721/2010, New dated 13 Jul. 2010)

S.No. 12/1/2 & 12/2/2, Narhe, Taluka-Haveli, Pune - 411041.

Phone: 020-24608500/01, Website: www.tssm.edu.in

Email: principal@tssm.edu.in

**Dr. G. A. Hinge**  
Ph.D., LMISH  
PRINCIPAL

**Prof. Dr. T. J. Sawant**  
BE(Elec.), PGDBM, Ph.D.  
PRESIDENT

## 3.1.1 Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the last five years (INR in Lakhs)

### 3.1.1.1. Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the last five years (INR in Lakhs)

2023-24	2022-23	2021-22	2021-20	2019-20
0.5	0	7.55	5.45	8.75

#### DVV clarification:

Please provide a list of research project grants received in the assessment years. Include details about the award type, the agency that granted it, and the amount. Provide links to electronic copies of the approval letters also, provide the approval letters with the relevant information highlighted.

**HEI response:** As per DVV Suggestions, all the supporting documents are provided.

## Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the last five years (INR in Lakhs)

**Table: Details of the grants received from Government and non-governmental agencies for research projects / endowments in the institution during the last five years (INR in Lakhs)**



The Shetkari Shikshan Mandal

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## 2023-24

Name of the Project/ Endowments, Chairs	Name of the Principal Investigator/Co- investigator	Department of Principal Investigator	Amount Sanctioned	Duration of the project	Name of the Funding Agency	Type (Government/non- Government)	Link
Research on Drone design by Cerebro Innovation	Prof. A. D. Gujar	Computer Engg.	50000	1 year	AICTE	Government	<a href="#">Click Here</a>

## 2022-23

Name of the Project/ Endowments, Chairs	Name of the Principal Investigator/Co- investigator	Department of Principal Investigator	Amount Sanctioned	Duration of the project	Name of the Funding Agency	Type (Government/non- Government)	Link
NIL	NIL	NIL	NIL	NIL	NIL	NIL	





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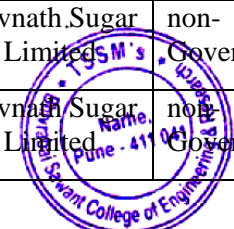
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## 2021-22

S.N.	Name of the Project/ Endowments, Chairs	Name of the Principal Investigator/ Co-investigator	Department of Principal Investigator	Amount Sanctioned	Duration of the project	Name of the Funding Agency	Type (Government/ non-Government)	Link
1	Secured Information Transmission Using Steganography	Dr. S.N.Gujar	Computer	85000	1 Year	Bhairavnath Sugar Works Limited	non-Government	<a href="#">Click Here</a>
2	Traffic Management Using Machine Learning	Dr. S.N.Gujar	Computer	70000	1 Year	Bhairavnath Sugar Works Limited	non-Government	<a href="#">Click Here</a>
3	Surveillance Fire Fighting Robot	Dr. P. N. Shinde	E & TC	85000	1 Year	Bhairavnath Sugar Works Limited	non-Government	<a href="#">Click Here</a>
4	Navigation In Mines Using RFID Technology	Prof. S. N. Bhore	E & TC	75000	1 Year	Bhairavnath Sugar Works Limited	non-Government	<a href="#">Click Here</a>
5	Electrical bicycle	Dr.R.N.Pote	Mechanical	85000	1 Year	Bhairavnath Sugar Works Limited	non-Government	<a href="#">Click Here</a>
6	Optimization and experimental testing of car external door handle using three point bending test and 3 D printing	Prof. V.N.Tapase	Mechanical	70000	1 Year	Bhairavnath Sugar Works Limited	non-Government	<a href="#">Click Here</a>
7	Glazed Photovoltaic - Thermal Component for Building Envelope Structures	Prof. S.S.Ambhaikar	Civil	70000	1 Year	Bhairavnath Sugar Works Limited	non-Government	<a href="#">Click Here</a>
8	Concrete Containing with Activated Carbon	Dr. R. S. Karale	Civil	70000	1 Year	Bhairavnath Sugar Works Limited	non-Government	<a href="#">Click Here</a>
9	Portable Generation of Green Energy Using Water Flow	Prof. A.P.Kinge	Electrical	75000	1 Year	Bhairavnath Sugar Works Limited	non-Government	<a href="#">Click Here</a>
10	Wireless Robotic ARM	Dr. S.G.Kanade	Electrical	70000	1 Year	Bhairavnath Sugar Works Limited	non-Government	<a href="#">Click Here</a>





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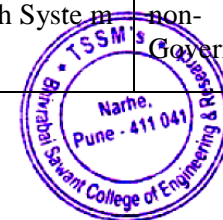
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2020-21								
S.N.	Name of the Project/ Endowments, Chairs	Name of the Principal Investigator/Co-investigator	Department of Principal Investigator	Amount Sanctioned	Duration of the project	Name of the Funding Agency	Type (Government/ non-Government)	Link
1	Design of Confined RC Column	Prof. A.P.Khatri	Civil Engineering	55,000	1 Year	Giriraj Promoters Pvt. Ltd.	non-Government	<a href="#">Click Here</a>
2	Assessment of Recycled Concrete Aggregates as a Pavement Material	Prof.N.P.Khatmode	Civil Engineering	75,000	1 Year	Giriraj Promoters Pvt. Ltd.	non-Government	<a href="#">Click Here</a>
3	Floating Waste Collection Machine Using IoT	Prof.M.K.Kodmelwar	Computer Engineering	50,000	1 Year	Pathak Techno Solutions	non-Government	<a href="#">Click Here</a>
4	Intelligent Data Mining of Social Media for Better Decision Making in Product or Services	Dr. S. N. Gujar	Computer Engineering	55,000	1 Year	Pathak Techno Solutions	non-Government	<a href="#">Click Here</a>
5	A Broad Investigation for Diabetes Detection using Machine Learning Techniques	Dr.S.U.Kadam	Computer Engineering	65,000	1 Year	Pathak Techno Solutions	non-Government	<a href="#">Click Here</a>
6	Hospital Management System	Prof. K S Vaidya	Elect. & Tele.Engg.	55,000	1 Year	Design Tech System Pvt. Ltd.	non-Government	<a href="#">Click Here</a>
7	Electric Vehicle designing, modeling and assembly	Prof. A. A. Jain	Electrical Engineering	65,000	1 Year	Design Tech System Pvt. Ltd.	non-Government	<a href="#">Click Here</a>
8	Intelligent Data Mining of Social Media for Better Decision Making In Product or Services	Dr.S.N.Gujar	Computer Engineering	75,000	1 Year	Design Tech System Pvt. Ltd.	non-Government	<a href="#">Click Here</a>
9	Automated Multiple Choice Question Generation from Text Data	Dr.S.N.Gujar	Computer Engineering	50,000	1 Year	Design Tech System Pvt. Ltd.	non-Government	<a href="#">Click Here</a>





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## 2019-20

S. N.	Name of the Project/ Endowments, Chairs	Name of the Principal Investigator/ Co-investigator	Department of Principal Investigator	Amount Sanctioned	Duration of the project	Name of the Funding Agency	Type (Government/ non-Government)	Link
1	Home Automation using Genetic Mean Algorithm	Prof. S. N. Gujar	Computer Engg.	75,000	1 Year	Bhairavnath Sugar Works Ltd.	Non-Government	<a href="#">Click Here</a>
2	Identification of Maize leaf diseases using Improved deep convolution neural network	Dr. S. U. Kadam	Computer Engg.	75,000	1 Year	Bhairavnath Sugar Works Ltd.	Non-Government	<a href="#">Click Here</a>
3	Vacuum Assisted Climber	Prof. V. N. Tapase	Mechanical Engineering	50,000	1 Year	Sanas Engineering, Shivane, Pune	Non-Government	<a href="#">Click Here</a>
4	IoT based smart refrigerator for commercial and retail user using machine learning	Prof. S. N. Gujar	Computer Engg.	1,00,000	2 Year	Bhairavnath Sugar Works Ltd.	Non-Government	<a href="#">Click Here</a>
5	Design and Fabrication of Electric Vehicle	Prof. V. N. Tapase	Mechanical Engineering	70,000	1 Year	Ganesh Accumulators Pvt. Ltd , Kolhapur	Non-Government	<a href="#">Click Here</a>
6	Line following and gesture control self-driving car prototype	Prof. S. N. Gujar	Computer Engg.	80,000	1 Year	Bhairavnath Sugar Works Ltd.	Non-Government	<a href="#">Click Here</a>
7	Maintaining Authenticity of digital certificates using Block chain	Prof. S. U. Kadam	Computer Engg.	80,000	1 Year	Bhairavnath Sugar Works Ltd.	Non-Government	<a href="#">Click Here</a>
8	Women safety device using IoT and machine learning	Prof. P. N. Shinde	Elect. & Tele. Engg.	80,000	1 Year	Bhairavnath Sugar Works Ltd.	Non-Government	<a href="#">Click Here</a>
9	Speech coding technique used in GSM for noise reduction	Dr. P. M. Patil	Elect. & Tele. Engg.	65,000	1 Year	Bhairavnath Sugar Works Ltd.	Non-Government	<a href="#">Click Here</a>
10	Camera based forward collision avoidance system	Prof. B. H. Pansambal	Civil Engineering	2,00,000	2 Year	Bhairavnath Sugar Works Ltd.	Non-Government	<a href="#">Click Here</a>

**PRINCIPAL**

**TSSM's Bhivarabai Sawant College of Engineering & Research**  
Narhe, Pune - 411 041

