



SARASWATI Education Society's  
**SARASWATI College of Engineering**

Learn Live Achieve and Contribute

Kharghar, Navi Mumbai - 410 210.

Academic Year 2017-18

Sr No	Dept	Name of Researcher/Faculty	Sanction by	Title of the Project	Funding Received in Rs.
1	Extc	Dr.Manjusha Deshmukh	BARC	Assessment of Automatic nervous system using ANN	1693300
2	Extc	Mrs.Mandeep Kaur & Mr. Umesh Pinjarkar	Minor research grant of Mumbai University	Development of PCB Boards Using CNC Machine (sanctioned by Mumbai University)	25000
3	Extc	Mrs.Rajashri Narwade & Mrs.Sarita Kale	Minor research grant of Mumbai University	Online Handwritten script recognition using hidden markov model(HMM)	20000
4	Mech	Mr.Sachin G. Solanke	INAE, New Delhi	Development of metal matrix composite with the help of SiC and graphene nanostructure.	42750
5	Mech	Dr. Fauzia Siddiqui & Mr.Sachin G. Solanke	Minor research grant of Mumbai University	Experimental Investigation by notched specimen of different material by fatigue testing machine.	30000
6	Mech	Prof M B sorte, Mr.Sachin Solanke	Minor research grant of Mumbai University	Optimization of stress distribution for yoke in universal joint of steering vehicle under variable torque condition using numerical and experimental methods	30000
7	Mech	Dr. Fauzia Siddiqui Mr.Paramjit Thakur	Funds received from ISHRAE (2016-17)	Ground Coupled Heat Exchanger Air-Conditioning System	70000
8	Civil	Prof. Pooja Somani Prof. Rachel Gitty	Minor research grant of Mumbai University	Water Quality Analysis in Storage Tanks of Housing Societies	15,000/-
9	Civil	Prof.Shilpa Kewate & Prof. Roshni john	Minor research grant of Mumbai University	Effect of Glass Powder and Brick Powder on Compressive Strength of Concrete	20,000/-
10	Civil	Mrs. Shweta Motharkar Mrs. Vaishali Kisan	Minor research grant of Mumbai University	Self-Curing Concrete	20,000/-

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11	Civil	Mrs. Asmita Lakhote Dr.S.M.Rangari	Minor research grant of Mumbai University	Design of Water Filter for Rural Area	20,000/-
12	IT	Ms. Vaishali Jadhav Ms. Shilpa Satre	Minor research grant of Mumbai University	A QoS Oriented Distributed Adoptable Opportunistic Routing Algorithm for Hybrid Wireless Network	15000
13	IT	Mrs. Anuradha Dandwate Mr. Harshal Shetye	Minor research grant of Mumbai University	Real Time Leaf Diseases Detection	19000
14	Comp	Dr. Deepa Parasar	Minor research grant of Mumbai University	Rectification of Distorted Fingers	26000
15	Comp	Dr. Bharti Joshi	Indian Institute of Public Health, Gandhinagar	Conquer Hepatitis	200000
16	Auto	Prof T.Z. Quazi	Minor research grant of Mumbai University	Towards sustainable Development: A case study of plastic waste management in municipal council	25000



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## MOU Party I: Saraswati College of Engineering

Sr. No	Deppt	Party II	Whether MOU/ Tie Up	Nature & Purpose of MOU (Academic/ Research collaborations etc.)	Duration of MOU [Start &End year]	Activities carried under the MOU/ Tie Up.
1	Mech	MATRIX CAD ACADEMY	MOU	R&D in Mechanical Engineering and skill development programme in the student	14/02/2017 to 14/02/2020	Arranging training on design software for student which have immediate relevance in the industry.
2	Mech	CADD Centre, Kharghar	MOU	R&D in Mechanical Engineering and skill development programme in the student	15/06/2016to 15/06/2019	The cad competition at national level in association with CADD centre was conducted from last two years.
3	Mech	Smart Machine Tools	MOU	R&D in Mechanical Engineering	12/12/2015 to 12/12/2020	R&D activities
4	Mech	INSEEC ALPES- SAVOIE/CHAMBERY CAMPUS GRADUATE SCHOOL OF BUSINESS	MOU	R&D in Mechanical Engineering	09/12/2015 to 09/12/2020	R&D activities
5	Mech	Kalsekar Technical Campus .New Panvel	MOU	R&D and academics Initiatives	08/12/2015 to 08/12/2020	R&D activities from Kalsekar Technical Campus. New Panvel, on 04Knowledge Management.
6	Mech	Sanjay Ghodawat Group of Institutions. Kolhapur	MOU	R&D and academics Initiatives	28/11/2015 to 28/11/2020	R&D activities
7	Mech	Lokmanya Tilak, Koparkhairane, Navi Mumbai	MOU	R&D and academics Initiatives	23/11/2015 to 23/11/2020	R&D activities from Lokmanya Tilak, Kopar khairane, Navi Mumbai
8	Mech	META-TECHGARAGE	MOU	R&D and academics Initiative	10/11/2015 to 10/11/2020	Training activities
9	Mech	Indian Society For Heating Refrigeration & Air Conditiong (ISHRAE) Mumbai Cahpter	MOU	R&D and academics Initiative	13.01.2018 to 12.01.2021	Development of the students in the area HVACR.ISHRAE Job junction,JUMBOORI & SCOE HVAC& R showcase

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10	IT	S B Infotech , Jalgaon	MOU	academics Initiative	03/03/2016 to 28/02/2021	Arranged Seminar for students
11	IT	CMS IT services Pvt. Ltd.	MOU	academics Initiative	01/03/2016 to 28/02/2021	Arranged Faculty development program.
12	Comp	CMS IT Services Private Limited, Kharghar.	MOU	Academic, collaboration	2016-2021	STTP
13	Comp	H.R. Software Solutions, Jalgaon.	MOU	Academic	2015-2017	Training
14	Comp	NIIT, Kharghar.	MOU	Academic, collaboration	2014-2017	Training
15	Comp	PRUTHVI InfoTech, CBD Belapur.	MOU	Academic, collaboration	2014-2017	Training
16	Comp	EMC2 Academic Associate, Bangalore	MOU	Academic	2014-2015	Webinar
17	Extc	Saitronics the universal solutions.	MOU	R&D in E & TC Engineering and skill development programme in the student	01/08/2017 onwards	Technical workshop on “Arduino Programming” ,To make students learnt Arduino /will be beneficial for developing the projects
18	Extc	Copper track Industry, Nashik	MOU	R&D in E & TC Engineering and skill development programme in the student	26/07/2017 onwards	Industrial Visit, to bridge the gap between theoretical training and practical learning in a real-life environment.
19	Extc	Terna Engineering College, Nerul	MOU	R&D and academics Initiatives	6/4/2016 onwards	Research and guidance for students

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20	<b>Extc</b>	Reliance Jio Infocomm Ltd. Mumbai	MOU	R&D and academics Initiatives	20/8/2016 onwards	Lab set up and to provide course programs developed by Reliance to students.
21	<b>Extc</b>	Mahatma Gandhi Mission's Medical College & Hospital , Navi Mumbai	MOU	R&D and academics Initiatives	8/8/2016 onwards	BRNS research grant work
22	<b>Extc</b>	Live wire (Icon Services) , Navi Mumbai	MOU	Training activities	6/7/2016 onwards	Faculty development programs, student trainings
23	<b>Auto</b>	Samarat Machine Tools, Rajkot,	MOU	R&D in Automobile	2015 to 2020	R&D activities
24	<b>Auto</b>	Tilak College of Engineering	MOU	Academic and Research	2015 to 2020	R&D activities
25	<b>Auto</b>	Kalsekar Technical Campus.New Panvel	MOU	R&D and academics Initiatives	2015 to 2020	R&D activities from Kalsekar Technical Campus. New Panvel, on 04Knowledge Management.
26	<b>Auto</b>	Meta-techgarage, No 174/08, GJ Building, Anna Nagar (W), Chennai	MOU	R&D and academics Initiatives	2015 to 2020	R&D activities
27	<b>Auto</b>	Sou. Sushila Dhanchand Ghodawat Charitable Trust's Sanjay Ghodawat Group of Institution, Atigre- Kolhapur	MOU	R&D and academics Initiatives	2015 to 2020	R&D activities
28	<b>Civil</b>	DESTTECH Structural Consultants	MOU	Academic collaboration	2016 to 2019	Arranging software traning for students and Job Opportunities
29	<b>Civil</b>	Synergy School of Business Skills	MOU	Academic collaboration	2016 to 2019	Arranging software traning for students and Job Opportunities
30	<b>Civil</b>	Sanjay Ghodawat Group of Institutions	MOU	Academic and Research collaboration	2015 to 2020	R & D and Academics Initiatives
31	<b>Civil</b>	Anjuman -I-Islam's Kalsekar Technical Campus School of Engineering	MOU	Research collaboration	2015 to 2020	R & D and Academics Initiatives
32	<b>Civil</b>	Dhruv Consultancy	MOU	Academic collaboration	2016 to 2019	Arranging software traning for students and Job Opportunities
33	<b>FE</b>	B.N.Bandodkar College of Science, Thane (W)	MOU	Academic/ Research collaborations	July 2016 to December 2017	
34	<b>FE</b>	C.K.T. College of Science, Panvel	MOU	Academic/ Research collaborations	July 2016 to December 2017	Research guidance and academic guidance



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### Patent filed by Mechanical engineering department

Sr No	Title of the innovation filed /awarded for patent	Patent claimed by / patent awarded to	Date of filing /Date of award of patent	Individual/ Organizational
1	Pipe inspection Robot	Mr. S.N.Teli Mr.Tejas Mhetre Mr.Krishna Kumbhar Mr.Akshay Bhosale Mr.P.S.Buchade	Date of award –2015/10/23 Design no. 276996.	Individual
2	Automatic transmission for vechile	Mr. S.N. Teli, Mr. Sagar Devichand Patil	Date of application-2016/05/03 Application no -201621015361	Individual
3	Design & Development of a Battery Powered Monowheel	Mr. S.N.Teli, Mr. Madan Jagtap, Mr. Siddhesh Lad	Date of application-2017/03/01 Application no -291423	Individual
4	Battery Operated Monowheel	Madan Mohanrao Jagtap	Date of application-22/09/2017	Individual
5	Approximate straight-line mechanism and design	Sachin G. Solanke	Date of application-08/02/2018 Application no - 302238	Individual

## **Students Clubs and Committees formed in last 3 years, to inculcate leadership quality in students**

To understand the strengths and needs of our students and to know what is happening in the classrooms we have made various students committees. This is done to play an active role in planning and supporting instruction that is appropriate for our students, and to ensure that college time and resources are focused on student achievement.

### **Group A : National and International**

- CSI – Computer Society of India
- ISHRAE- Indian Society of Heating Refrigerating and Air Conditioning
- SAE - Society of Automotive Engineers
- IETE - Institution of Electronics and Telecommunication Engineers
- ISTE - Indian Society for Technical Education
- IWWA- Indian Water Works Association
- IGBC- Indian Green Building Council .

### **Group B : College level cultural /technical clubs**

- Student Council
- Team Prahar Racing
- Placement team
- EN Cell
- Music Club
- Dance Club
- Sports Club
- Fashion Club

### **Group C : College level social clubs**

- National Service Scheme(NSS)
- Rotract Club

### **Group D : Department level associations**

- ACE - Association of Computer Engineers
- CESA – Civil Engineering Student Association
- ETSA - Electronics and Telecommunication Students Association
- RACE – Reliable Automotive Council of Engineers
- SAIT - Student Association For Information Technology
- MESA - Mechanical Engineering Students Association