

# Annual Report 2017-18

## 1. Details of the College

- Name and Address of the College: Saraswati College of Engineering  
Plot No. 46, Sector 5  
Near MSEB Sub Station,  
Kharghar,  
Navi Mumbai 410210
- Year of Establishment: 2004
- Telephone and & Fax Number : Telephone: (022) 27743707, 27743708 / Fax: (022) 27743712.
- Email : principal.scoe@gmail.com,  
registrarsaraswati@gmail.com
- Vision /Mission of the College:  
Vision: "To become center of Excellence in Engineering education and research"  
Mission: "To educate students to become quality technocrats for taking up challenges in all facets of life"

## 2. Achievements in brief

1. College stood in top 100 in “AICTE Clean Campus Award-2017” held in October 2017.
2. Institute is Accredited by NAAC in May 2017.

### 3. Contemporary Add-On Courses/ Technical Events for The Advancement Of Education

#### International/ National Conference Organized

Title	Date from	Date to	Resource Person Name	Resource Person Designation	Resource Person Org
International Conference - Global Meet on Advances in Design, Materials & Thermal Engineering	1/11/2018	1/12/2018	Mr. Suresh Lulla	Founder,	Qimpro Consultants Pvt. Ltd

#### Technical Competition

Title	Type of event	Date from	Date to	Resource Person Name	Resource Person Designation	Resource Person Org
Contrivance 2018 (PROJECT COMPETITION)	Project Competition	10/5/2018	10/5/2018	Mr. Akash Ghag	Ms.Namrata Pawale	Oracle DBA
CADTECH 2018 COMPETITION	Model Competition	9/25/2018	9/25/2018	SONALI PATIL	HEAD CADD CENTER	CAD TECH
Workshop on IIT-M	Project Competition	9/29/2017	9/29/2017	Dr. S. V Latkar	FE HOD	Saraswati College Of Engineering
CAD competition	Technical Competition	9/15/2017	9/15/2017	CADD Centre Kharghar	Director	CADD Centre Kharghar
Formula SAE Italy and Formula Electric Italy 2017	Model Competition	7/19/2017	7/23/2017	SAE	SAE	SAE Italy

#### Technical Seminar/ Guest Lecture

Title	Type of event	Date from	Date to	Resource Person Name	Resource Person Designation	Resource Person Org
Foreign study and Internship seminar	Seminar	13-03-2018	13-03-2018	Sachin Shendage	CEO	Saitronics ltd
Expert lecture on IOT application using Aurdino and rasberrypie"	Seminar	8/2/2018	8/2/2018	Mr. Santosh Kamble	Engineer	Gate Forum
Higher Studies	Seminar	7/2/2018	7/2/2018	Gate Forum	-	MUSE Club
Women's Sanitation	Seminar	1/2/2018	1/2/2018	Ms. Amrita Mohan	Co-founder and Manager	external
Expert lecture on Virtual Reality Application	Guest Lecture	23-01-2018	23-01-2018	Mr. Tejas Kasare	Faculty	BITS
seminar on "Cyber security"	Any Other	12/10/2017	12/10/2017	Mr. Suresh Shan	Head Digital Innovation	Cisco systems
International seminar on Artificial Intelligence in	Seminar	11/10/2017	11/10/2017	Mr. Peter Leung	Technical Leader	CISCO

wireless Networks						
International Seminar on AI and Wireless Technology	Seminar	10/10/2017	10/10/2017	Mr. PETE LEUNG	CISCO IT Professional	SCOE-ENTC
Expert lecture on measurement and control system	Technical Talk	10/10/2017	10/10/2017	Sheetal Bhujade	Professor	microsoft trainer
seminar on data structures and its application	Any Other	5/10/2017	5/10/2017	Mr. chirag panchal	trainer	Associate professor
GD & technical quiz competition	Any Other	27-09-2017	27-09-2017	Prof. Roshni John	Head of the department	HVAC
Expert lecture on Boiling and Condensation	Guest Lecture	26-09-2017	26-09-2017	Dr. Joshi	Professor	IITC
Expert lecture on Future Upcoming Mobile Technologies	Guest Lecture	23-09-2017	23-09-2017	Dr. Munir Sayyad	General Manager	CMS
Java Technology Seminar	Seminar	13-09-2017	13-09-2017	Nitin Shinde	Manager	SPIT college
seminar on RTOS and its application	Any Other	13-09-2017	13-09-2017	Mr. Pramod Bide	Professor	
Seminar on Machine Learning	Seminar	8/9/2017	8/9/2017	Mr. Devesh Rajadhyakshya	CEO	SABIC Indian Institute Of Technology Saudi Arabia
Guest Lecture On Mechanics Of Happiness And Successful Career	Guest Lecture	7/9/2017	7/9/2017	Dr. Tauseef Zia Siddique and Dr. Anna Khan	Sustainability Specialist	Simplelogic IT pvt. ltd.
seminar on " Oracle DBA"	Any Other	7/9/2017	7/9/2017	Mr. Akash Ghag	oracle DBA	DFE
Technical Seminar	Seminar	23-08-2017	23-08-2017	Prajakta Patkar	Project Manger	Digital Freedom Foundation
Project Selection Seminar	Seminar	11/8/2017	11/8/2017	Krishnkant Mane	CEO	Ministry of Defense PSU
GATE Seminar	Guest Lecture	10/8/2017	10/8/2017	Abhinav Verma	PSU	Saitronics ltd
Seminar on Arduino and Raspberry Programming	Seminar	31-07-2017	31-07-2017	Mr. Santosh Kamble	trainer	BDO

### Industry/ Site Visit

Title	Type of event	Date from	Date to	Resource Person Name	Resource Person Designation	Resource Person Org
Traffic Volume Survey	Site Visit	4/12/2018	4/12/2018	Prof. Nagma Alam	Assistant Professor	SCOE
Survey Project Camp	Site Visit	2/15/2018	2/17/2018	Prof. Nagma Alam	Assistant Professor	SCOE
Industrial Visit	Site Visit	2/11/2018	2/11/2018	Sanjay Verma	Project Head	MITSUBISHI

MITSUBISHI ELECTRICAL						
Industrial Visit	Industrial Visit	12/28/2017	1/3/2018	Mr. Balkar Singh	engineer	PEDA CHANDIGARH
Industrial Visit	Industrial Visit	12/28/2017	1/3/2018	BSNL trainer	engineer	Rajasthan Khoj Khabaar
Sewage Treatment Plant	Site Visit	10/23/2017	10/23/2017	Prof. Asmita Lakhote	Assistant Professor	SCOE
Water Treatment Plant	Site Visit	9/22/2017	9/22/2017	Prof. Asmita Lakhote	Assistant Professor	SCOE
Site visit at Krishi Vigyan Kendra Baramati	Site Visit	9/22/2017	9/22/2017	Prof. Harshal Deshpande	Asst.Prof	
Industrial Visit TO COPPER TRACK	Industrial Visit	7/21/2017	7/21/2017	Mr. Uday Rakibe	partner copper track industries	copper track industries

### Workshop/ FDP

Title	Type of event	Date from	Date to	Resource Person Name	Resource Person Designation	Resource Person Org
IOT based Robotics Workshop	Workshop	2/23/2018	2/23/2018	IETE Students	Students	SCOE
Workshop on Virtual Reality	Training	2/22/2018	2/23/2018	Mr. Tejas Kasade	Software developer	Intellect Technologies
Aptitude Training	Training	1/23/2018	2/1/2018	Vinay Raikar	Trainer	-
Aptitude Training	Training	1/23/2018	2/12/2018	Vinay Raikar	-	-
Orientation Program for AM-IV	STTP	1/9/2018	1/9/2018	Dr. S. V Latkar and Prof S.M Bendane	FE HOD	Saraswati College Of Engineering & Datta Meghe College of Engineering.
Workshop on " Design and Analysis of Antennas and Microwave Passive Devices using HFSS	Workshop	1/3/2018	1/5/2018	Mr. Amit Naik	Faculty	BATU
Workshop on IC Engines	Workshop	10/6/2017	10/7/2017	Prathamesh Aher	Project head	Prahar
Workshop on latex	Workshop	10/6/2017	10/6/2017	Mr. Harsh Bhatia	Programer	TCS
Half day workshop on leadership	Workshop	9/26/2017	9/26/2017	Rahul Kamble	Assistant Professor	Amity Buisness school
Half day workshop on leadership	Workshop	9/26/2017	9/26/2017	Prof. Rahul Kemble	Assistant Professor	Amity University
ROLLOUT 2017	Workshop	9/7/2017	9/7/2017	Murtuza Ujjainwala	Head	Auto institute
Workshop on Python	Training	8/22/2017	8/24/2017	Mr.Aditya	Developer	IIT Bombay
PCB DESIGNING WORKSHOP	Workshop	8/4/2017	8/4/2017	BE Students	Students	SCOE

Workshop on Arduino programming	Workshop	8/1/2017	8/3/2017	Mr. Santosh Kamble	engineer	Saitronics ltd
Arduino Programming Training	Training	7/31/2017	8/2/2017	Rahul Kamble	Assistant Professor	Amity Buisness school
Workshop on Python-Online	Workshop	7/28/2017	7/28/2017	IIT-Bombay Fosse	-	IIT Bombay
Aptitude Training	Training	7/24/2017	7/28/2017	Vinay Raikar	Trainer	-
Workshop on Solar System Design	Workshop	7/21/2017	7/21/2017	Mr. Uday Rakibe	engineer	copper track industries

#### 4. Research Grants

#### SPONSORED RESEARCH

##### ACADEMIC YEAR 2017-18

Total : Rs.16,93,300/-

<b>Sr. No</b>	<b>Academic year</b>	<b>Name of PI</b>	<b>Name of CO-PI</b>	<b>Type of Grant</b>	<b>Title of project</b>	<b>Amount Received</b>
1	2017-2018	Dr. Manjusha Deshmukh	Dr. Deepa Parasar	BRNS, BARC, Mumbai	Objective Assessment of Autonomic nervous System using Artificial Neural Networks (PART-1)	Rs.16,93,300/-

#### 5. Patents

<b>Sr.No</b>	<b>Design Number/Patent number/Application number</b>	<b>Title</b>	<b>Author/Members</b>	<b>Date of filing</b>
1	292542	Gesture Controlled Rover With Robotic Arm Using Arduino	Prof.S.N.Teli, Prof.Madan Jagtap, Prof.Siddhesh Lad, Mr. Mayur Rathod, Mr. Prathamesh Parab, Mr. Kunal Sawant, Mr. Gajan Patil	06-04-2017
2	297785	Battery operated monowheel	Prof.S.N.Teli, Prof.Madan Jagtap, Prof.Siddhesh Lad	9/22/2017

## **6. Implementing Industry Academia Partnership (MOU)**

<b>Department</b>	<b>Institute</b>	<b>Purpose</b>	<b>Date from</b>	<b>Date to</b>
MECH	Lokmanya Tilak Engineering College Navi Mumbai	R & D and academics initiative	23/11/2017	23/11/2020
EXTC	SAITRONICS LTD	To organize aurdino rasberry pie and IOT related seminars and workshops for students under MOU	01/08/2017	01/08/2022
EXTC	COPPER TRACK INDUSTRIES, NASIK	To organise industrial visits and workshops for students	26/07/2017	26/07/2022

## **7. Introducing Online Courses**

Faculty uses open courseware from national and international universities like IIT, MIT (USA). Virtual laboratories, e-learning resources from National Programme on Technology Enhanced Learning (NPTEL), open educational resources, mobile education etc

## **8. Students Clubs and Committees Formed To Inculcate Leadership Quality in Students**

Institute insists upon inculcating moral, ethical and social values in students to develop them as responsible citizen of India. Various committees involving students and faculties are active in the college. Following are the students clubs and committees formed to inculcate leadership quality in students.

### **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

## Entrepreneur Network Cell Activities

An Entrepreneur network Cell (ENC) is formed in the Institution, to expose the students to the field of entrepreneurship .The Entrepreneurship network Cell aims at reaping and nurturing innovativeness and encouraging entrepreneurial culture among students. The Entrepreneurship network Cell is primarily responsible for stimulating, sustaining and supporting entrepreneurial ventures within the campus, providing them with necessary assistance and resources.

## 9. Social Activities

Title	Organized By	Date
FARE WELL 2018	CIVIL1	5/4/2018
Convocation	CIVIL1	5/2/2018
Alumni meet	CIVIL1	5/2/2018
Farewell for BE STUDENTS	EXTC	4/30/2018
Farewell 2018	CS	4/27/2018
YOUTH EXODUS	YIN	3/28/2018
Technitia 2018	CS	3/8/2018
International Women's Day Celebration	NSS	3/8/2018
Cleanliness drive at Kharghar	NSS	2/28/2018
Marathi Bhasha Din	NSS	2/27/2018
Utsav 2k18	CS	2/23/2018
Road Safety Awareness Campaign	NSS	2/16/2018
Road Safety Awareness Campaign	NSS	1/29/2018
Soft Skill and personality development	EXTC	1/22/2018
Cyclothon and use of non-conventional Fuel	NSS	1/21/2018
Cyclothon and use of non-conventional Fuel	NSS	1/21/2018
PRATIDHWANI Alumni ceremony	EXTC	1/20/2018
SEMINAR ON CIVIL SERVICES	YIN	1/19/2018
FUN FAIR	EXTC	1/19/2018
Bright Business Beginning	EN	1/18/2018
Swachha Bharat Survection	NSS	1/9/2018
Road safety at Nariman	NSS	1/4/2018
Workshop on " Evoke your Femininity : enhance your flexibility"	EXTC	1/2/2018
7 Days NSS Residential Camp at Borimalpada Village in Khalapur	CIVIL1	12/24/2017
NSS seven days special camp	NSS	12/24/2017
Martyr"s Day and Constitutional Day	NSS	11/26/2017
Workshop on "Leadership Program"	EXTC	11/4/2017

Title	Organized By	Date
TALOJA GAON SURVEY	YIN	10/13/2017
WOMEN EMPOWERMENT	YIN	10/12/2017
Education consultancy seminar	MECH	10/4/2017
cleanliness drive at Historical place - Kranla Fort	NSS	10/2/2017
Non Violence Rally	NSS	10/2/2017
one book one pen donation Charity		9/27/2017
Blood Donation Camp	NSS	9/25/2017
Training Program On Transformational Leadership	MECH	9/25/2017
Blood donation camp	MECH	9/25/2017
Celebration Of Teachers Day	MECH	9/14/2017
Teacher's Day Celebrations	EXTC	9/14/2017
ETSA INDUCTION	EXTC	9/14/2017
Aspiring Minds	EN	9/13/2017
Conduction of Cleanliness Drive	MECH	9/12/2017
Teacher's Day Celebrations	CIVIL1	9/5/2017
Rally for rivers	NSS	9/1/2017
Enlightened	EN	8/22/2017
Orientation for forming "SCOE Innovators Club"	EN	8/10/2017
Cleanliness drive at Kharghar station	NSS	8/8/2017
Cleanliness drive at Navrang market	NSS	8/8/2017
NSS orientation programme 2017-2018	NSS	8/5/2017

#### **10. Benefices Provided To Economically Under Privileged Students In The College.**

- Book bank schemes are available for economically weak students.
- The institution helps to receive scholarship to SC/ST, OBC and economically weaker students from Government of Maharashtra/DTE/Samajkalian office/Adivasivikaskaryala as per the policies.

## 11. Sewage Treatment Plant (STP)



Sewage Treatment Plant of 1,00,000 lit per day filtration capacity

## 12. Rainwater Harvesting



Rainwater harvesting tank

Capacity of Rainwater harvesting is 50,000 liters