

# Annual Report 2016-17

## 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 has won “Distinguished College Award” by Computer Society of India held in January 2017.
2. Institute is Accredited by NAAC in May 2017.
3. College stood in top 100 in “AICTE Clean Campus Award-2017” held in October 2017.
4. College received certificate of appreciation by Panvel Municipal Corporation for having on site composting facility in campus.

### 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 on Emerging Trends In Computing And Communication" [ICETCC-17] | 1/12/2017 | 1/13/2017 | Dr. Anuj Prakash     | analytics & insights        | TCS                 |
| International Conference on Sustainable Development in Design & Manufacturing           | 1/12/2017 | 1/13/2017 | Dr. Anuj prakash     | analytics & insights        | TCS                 |

#### Technical Competition

| Title                                      | Type of event         | Date from  | Date to    | Resource Person Name       | Resource Person Designation              | Resource Person Org     |
|--|-----------------------|------------|------------|----------------------------|--|-------------------------|
| Grooming Successors for Scaling Structures | Model Competition     | 1/16/2017  | 1/16/2017  | D M Joshi / Shanthi Selvam | Associate Professor/ Assistant Professor | SCOE                    |
| AQUEST Quiz                                | Project Competition   | 12/22/2016 | 12/22/2016 | Sanjay Verma               | Proprietors                              | Aquest                  |
| SAE SUPRA                                  | Model Competition     | 7/4/2016   | 7/7/2016   | SAE SUPRA                  | SAE SUPRA                                | SAE SUPRA Greater Noida |
| Formula Student India                      | Model Competition     | 1/24/2016  | 1/27/2016  | Formula Student India      | Formula Student India                    | Formula Student India   |
| JAMBOREE 5                                 | Technical Competition | 1/9/2016   | 1/9/2016   | Mihir sanghvi              | Sanjay Verma                             | Preethi Janghiani       |
| JAMBOREE 3                                 | Technical Competition | 1/9/2016   | 1/9/2016   | Mihir sanghvi              | Sanjay Verma                             | Preethi Janghiani       |

#### Technical Seminar/ Guest Lecture

| Title   | Type of event  | Date from  | Date to    | Resource Person Name | Resource Person Designation         | Resource Person Org                       |
|---|----------------|------------|------------|----------------------|-------------------------------------|---|
| Guest lecture on Big Data Analysis            | Guest Lecture  | 29-03-2017 | 29-03-2017 | Mr. Saud Meethal     | Data scientist                      | IIT BOMBAY                                |
| National Seminar on Advances in Communication | Seminar        | 22-03-2017 | 22-03-2017 | Dr. R.K Shevgaonkar  | Professor                           | GATE GENIUS ACADEMY                       |
| Expert Lecture On Gate Awareness Program      | Technical Talk | 10/3/2017  | 10/3/2017  | MR AVESH CHEULKAR    | CAREER COUNSELOR                    | GATE Genius Academy                       |
| GATE Exam Awareness Program                   | Technical Talk | 10/3/2017  | 10/3/2017  | Avesh Cheulkar       | Carrier Counselor                   | Prayad Soft                               |
| Expert lecture on "Web Technology"            | Any Other      | 3/3/2017   | 3/3/2017   | Mr. Achyut Patil     | Project Leader / Analyst Programmer | Prolific Systems & Technologies PVT. LTD. |
| Workshop On Mechatronics                      | Guest Lecture  | 1/3/2017   | 1/3/2017   | Sarang Pimpalkar     | Asst. Marketing                     | SCOE                                      |

|  |                |            |            |   |   |  |
|--|----------------|------------|------------|---|---|--|
|  |                |            |            |   | Manager   |  |
| Guest Lecture On Fluid Mechanics                     | Guest Lecture  | 28-02-2017 | 28-02-2017 | MR. U. W. MATE                            | Professor   | Marico Ltd.                                  |
| Seminar on Agile Methodology                         | Any Other      | 27-02-2017 | 27-02-2017 | Mr. Anup Daware                           | Applications Technology Manager                                       | Marico Ltd.                                  |
| Seminar on Agile Methodology                         | Any Other      | 27-02-2017 | 27-02-2017 | Mr. Anup Daware                           | Applications Technology Manager                                       | IGBC   |
| Launch of IGBC Student Chapter                       | Technical Talk | 3/2/2017   | 3/2/2017   | Mr. Bhavesh Mehta/ Mr. Sandeep Talaulicar | Co-Convener IGBC Mumbai Chapter/ Member Core Committee Mumbai Chapter | Vivekanand Education Society                 |
| Seminar On Big data                                  | Seminar        | 25-01-2017 | 25-01-2017 | Mr. Pranjal Muley                         | Assit. Proff  | PILLAI COLLEGE OF ENGINEERING                |
| Guest Lecture On Vibration                           | Guest Lecture  | 20-01-2017 | 20-01-2017 | MR. G. N. THOKAL                          | PROFESSOR   | PILLAI COLLEGE OF ENGINEERING                |
| Guest Lecture On Vibration                           | Guest Lecture  | 20-01-2017 | 20-01-2017 | MR. G. N. THOKAL                          | PROFESSOR   | -  |
| Higher Studies                                       | Seminar        | 19-01-2017 | 19-01-2017 | Mr. Jupin                                 | -   | Preethi Janghiani                            |
| JAMBOREE 4   | Any Other      | 7/1/2017   | 7/1/2017   | Mihir sanghvi                             | Sanjay Verma  | -  |
| Seminar on hackathon                                 | Seminar        | 6/1/2017   | 6/1/2017   | Dr. Gupta                                 | -   | -  |
| Career Guidance                                      | Seminar        | 7/12/2016  | 7/12/2016  | Subodh Deshmukh                           | Counselor   | Pvt Classes Bandra                           |
| Expert Lecture on Analog Electronics-I               | Guest Lecture  | 11/11/2016 | 11/12/2016 | Prof Glam Vakil                           | professor   | ITTC   |
| Research Talk on Research requirements on Smart City | Technical Talk | 24-10-2016 | 24-10-2016 | Dr. Munir Sayyad                          | General Manager   | Vice President                               |
| Advisory Board Meeting                               | Technical Talk | 20-10-2016 | 20-10-2016 | A K TIwari                                | Ashish Khobragade   | SCOE   |
| Guest Lecture On Strength Of Materials               | Guest Lecture  | 13-10-2016 | 13-10-2016 | Dr. Sunil Rangari                         | Professor   | CAP GEMINI                                   |
| Expert Lecture On Future Of Mechanical Sector        | Technical Talk | 13-10-2016 | 13-10-2016 | Mr. Shivshankar Reddi                     | Senior Engineer   | BVCOE Kharghar                               |
| Expert Lecture on Data Compression and Encryption    | Guest Lecture  | 10/10/2016 | 10/10/2016 | Mrs. Amina Quazi                          | Assistant Professor   | Om Shanti Bramhkumaries Prashala             |
| Positive Thinking                                    | Seminar        | 8/10/2016  | 8/10/2016  | Bramh Kumaries                            | -   | Intellectual Property India (Govt. of India) |
| Research Talk  | Technical Talk | 8/10/2016  | 8/10/2016  | Mr. Kishor Kadbe                          | Asst. Controller of Patents and Design                                | Teradata Ltd                                 |
| Seminar on "Data warehousing"                        | Any Other      | 8/10/2016  | 8/10/2016  | Mr. Arif Malik                            | Database Administrator  | SCOE   |
| Expert Lecture "Intelligent System"                  | Any Other      | 7/10/2016  | 7/10/2016  | Dr. Bharati Joshi                         | Professor   | SCOE   |

|   |                |            |            |  |                           |                               |
|---|----------------|------------|------------|--|---------------------------|-------------------------------|
| Seminar on Study Abroad   | Seminar        | 6/10/2016  | 6/10/2016  | Prof. Pranab Mujumdar                  | Assistant Professor       | SCOE                          |
| Seminar on blogger and GITHUB   | Any Other      | 6/10/2016  | 6/10/2016  | Mr. Chetan Pujari and MR. Kunal Mhatre | Students                  | SSCSIS at Pace University     |
| Seminar on Higher Study   | Seminar        | 3/10/2016  | 3/10/2016  | Dr. Johnthan Hill                      | Dean                      | Terna Engineering college     |
| Expert Lecture on Advances in Antennas                                      | Guest Lecture  | 3/10/2016  | 3/10/2016  | Dr. Rajiv Gupta                        | Professor                 | Atos origin                   |
| Seminar on "Android OS"   | Any Other      | 1/10/2016  | 1/10/2016  | Mr. Rudresha Subhedar                  | Software developer        | Assistant Professor           |
| Survey Project  | Any Other      | 30-09-2016 | 30-09-2016 | Shanti Selvam                          | Rachel Gitty              | SCOE                          |
| Guest Lecture On Overview Of Heat Transfer                                  | Guest Lecture  | 28-09-2016 | 28-09-2016 | Dr. S.M. Joshi                         | Professor                 | i Web Technology Pvt Ltd      |
| Cloud Computing   | Seminar        | 27-09-2016 | 27-09-2016 | Akshay Shag                            | CEO                       | Reliance JIO                  |
| Webinar on "Understand what employers want"                                 | Any Other      | 27-09-2016 | 27-09-2016 | Mr. Sanjay Jog                         | HR of Reliance JIO        | Pillai College Of Engineering |
| Expert Lecture On Static & Dynamic Force Analysis                           | Guest Lecture  | 14-09-2016 | 14-09-2016 | Prof G N Thokal                        | Professor                 | Red Hat Technologies          |
| Red Hat   | Seminar        | 1/9/2016   | 1/9/2016   | Yogesh Babar                           | Developer                 | Ms. Shweta Banerjee           |
| Indian Water Works Association Student Chapter                              | Technical Talk | 31-08-2016 | 31-08-2013 | Mr. Wadhwane                           | Director Youth Forum IWWA | -                             |
| Cloud Computing   | Seminar        | 24-08-2016 | 24-08-2016 | Manik Singh                            | Team Leader               | -                             |
| Cloud Computing   | Seminar        | 24-08-2016 | 24-08-2016 | Manik Singh                            | Programer                 | ERP-HCM BSNL                  |
| Expert Lecture On Trends in Communication                                   | Guest Lecture  | 10/8/2016  | 10/8/2016  | Mr Vivek Dethe                         | Assistant Director        | Matrix Academy                |
| Expert Lecture On Project Guidance  | Technical Talk | 27-07-2016 | 27-07-2016 | Mr. Balbheem Kamanna                   | M.D                       | Anna University               |
| Guest Lecture On New Product Development & Project Execution In Me Industry | Guest Lecture  | 26-07-2016 | 26-07-2016 | Prof Benu Madhab                       | Professor                 | Squad Pvt Ltd                 |
| Seminar on "Opportunities on Testing"                                       | Any Other      | 15-07-2016 | 15-07-2016 | Mr. Rohit Shah                         | Software Tester           | SCOE                          |
| Research Talk   | Technical Talk | 12/7/2016  | 12/7/2016  | Dr. S.M Rangari                        | HOD (civil shift-II)      | VESIT Chembur                 |
| Expert lecture on Circuit Theory and Transmission Lines                     | Seminar        | 10/7/2016  | 10/7/2016  | Mr. Kadar Shaikh                       | professor                 | SCOE                          |

## 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       | 4/3/2017   | 4/3/2017   | Prof. Asmita Lakhote      | Assistant Professor         | SCOE                          |
| Site Visit Bhandup Water Treatment Plant             | Site Visit       | 3/1/2017   | 3/1/2017   | Mr. Amar Pal              | Sr. Technician              | Bhandup Water Treatment Plant |
| Site visit at Taloja Metro station yard              | Site Visit       | 2/23/2017  | 2/23/2017  | Prof. Harshal Deshpande   | Asst.Prof                   | SCOE                          |
| Survey Project Camp                                  | Site Visit       | 2/20/2017  | 2/22/2017  | Prof Steffi Stephen       | Assistant Professor         | SCOE                          |
| Site Visit in Middle Vaitarana Dam & Modak Sagar Dam | Site Visit       | 2/19/2017  | 2/19/2017  | Mr.Malviya / Mr. Tawadiya | Chief Engineer              | CIDCO                         |
| VISIT TO ASHALAYA                                    | Site Visit       | 2/1/2017   | 2/1/2017   | ASHALAYA                  | ASHALAYA                    | ASHALAYA                      |
| Site Visit to Taloja Dumping Yard Site               | Site Visit       | 1/24/2017  | 1/25/2017  | Mr. Avinash Pise          | Site Engineer               | SCOE                          |
| Industrial Visit                                     | Industrial Visit | 12/25/2016 | 1/2/2017   | Mr Balkar Singh           | Engineer                    | PEDA                          |
| Site visit to sewage treatment plant at Nerul        | Site Visit       | 10/9/2016  | 10/10/2016 | Dyanesh                   | Plant In charge             | STP NERUL                     |

### STTP

| Title   | Type of event | Date from  | Date to    | Resource Person Name                       | Resource Person Designation | Resource Person Org       |
|---|---------------|------------|------------|--|-----------------------------|---------------------------|
| Hands on ANSYS Software to Analyze Applications in Mechanical Engineering | STTP          | 26-06-2017 | 30-06-2017 | CADD Centre, Kharghar                      |                             |                           |
| STTP on Big Data Analytics Using Hadoop                                   | STTP          | 29-05-2017 | 29-05-2017 | Likshesh Kolhe                             | Assistant Professor         | Terna Engineering College |
| Recent Trends in Mechanical Engineering                                   | STTP          | 6/6/2016   | 10/6/2016  | Dr. S. M. Khot & Dr. Abdul Razak Hunnutagi |                             |                           |
| Short Term Training Program-Frontiers of Civil Engineering                | Training      | 19-12-2016 | 23-12-2016 | Dr. Abdul Razak Hunnutagi                  | Dr. C J Rao                 | Dr. V B Ashtankar         |
| Basic concept & Applications of NS 2                                      | STTP          | 7/4/2016   | 7/8/2016   | Mr. Vighnesh                               | Senior network Engineering  | Livewire Mumbai           |

### Workshop/ FDP

| Title  | Type of event | Date from | Date to   | Resource Person Name                    | Resource Person Designation | Resource Person Org                    |
|--|---------------|-----------|-----------|---|-----------------------------|--|
| Workshop on "Arduino"  | Fdp           | 4/26/2017 | 4/29/2017 | Mr. Santosh Kamble                      | Trainer                     | Self Employed                          |
| Expert Lecture on Applied Chemistry - Nanotechnology                           | Training      | 3/9/2017  | 3/9/2017  | Professor Atul Yadav & Prof. C.K Thakur | Professor                   | A.C.S College                          |
| Cloud Computing  | Workshop      | 3/3/2017  | 3/3/2017  | Prof. Bhushan Jadhav                    | Asist. Prof.                | TSEC                                   |
| Expert Lecture on 'The application of Differential Equation in Engineers Life' | Training      | 3/2/2017  | 3/2/2017  | Dr. S. V Latkar                         | FE HOD                      | Saraswati College Of Engineering       |
| WORKSHOP ON MECHATRONICS   | Workshop      | 3/1/2017  | 3/1/2017  | Mr Sarang Pimpalkar                     | Assistant Marketing Manager | Prolific System And Technology Pvt Ltd |
| Workshop on Personality Development  | Training      | 2/23/2017 | 2/23/2017 | Prof. Alka Purohit                      | Asst. Professor             | Saraswati College Of Engineering       |
| Workshop on Personality Development  | Training      | 2/23/2017 | 2/23/2017 | Prof. Alka Purohit                      | Asst. Professor             | Saraswati College Of Engineering       |
| Workshop on Latex  | Workshop      | 2/17/2017 | 2/17/2017 | Arti Gore                               | Asisst Prof                 | SCOE                                   |
| Survey Project   | Training      | 2/13/2017 | 2/15/2017 | Shanti Selvam                           | Rachel Gitty                | Assistant Professor                    |
| workshop on IOT (internet of things)   | Workshop      | 2/2/2017  | 2/3/2017  | Mr. Anshu Pande                         | senior technical consultant | Azure skynet Delhi                     |
| Robotronics Workshop   | Workshop      | 1/30/2017 | 1/31/2017 | STUDENTS                                | students                    | ETSA                                   |
| Nurture & Skill Development  | Add-On        | 1/24/2017 | 4/4/2017  | Prof. Alka Purohit                      | Asst. Professor             | Saraswati College Of Engineering       |
| VAYU 1.0   | Workshop      | 1/14/2017 | 1/14/2017 | Upendra Sontakke                        | Proprietors                 | Astrac Group                           |
| Workshop on Fiber-to-the-home (FTTH)   | Workshop      | 1/3/2017  | 1/5/2017  | Mrs. Abhilasha                          | trainer                     | Reliance Jio                           |
| NAAC Workshop  | FDP           | 1/2/2017  | 1/3/2017  | Dr. Manjusha Deshmukh                   | Principal SCOE              | Saraswati College Of Engineering       |
| Workshop on "IOT"  | Add-On        | 10/3/2016 | 10/4/2016 | Mr. Prateek Gupta and Mr. Shiva Reddy   | Developer                   | Innovians Technologies                 |
| Workshop on IOT  | Workshop      | 10/3/2016 | 10/4/2016 | Pratik Gupta                            | CEO and Founder             | Innovians Technologies                 |
| Automotive Maintenance Workshop  | Workshop      | 10/2/2016 | 10/2/2016 | Mr. Ravi Shinde                         | Owner                       | Ravi Automobiles                       |
| Workshop on Cyber Security   | Add-On        | 10/1/2016 | 10/2/2016 | Jay Chaudhari                           | Software Engineer           | A.T. S. Info tech                      |
| Webinar  | Webinar       | 9/27/2016 | 9/27/2016 | Reliance Jio                            | -                           | Reliance Jio                           |
| Workshop on Red Hat Linux & IMS  | Add-On        | 9/22/2016 | 9/25/2016 | Dr. Munir Sayyad                        | General Manager             | IIITC                                  |
| Expert Lecture on Solar Energy Technology & Its Application.                   | Training      | 9/16/2016 | 9/16/2016 | Dr. S.M Sabnis                          | Associate. Professor        | Saraswati College Of Engineering       |
| Expert Lecture on Applications of  | Training      | 9/15/2016 | 9/15/2016 | Dr. Smitha S Kumar                      | Asst. Professor             | SIES College                           |

|   |           |           |           |                     |                    |                                    |
|---|-----------|-----------|-----------|---------------------|--------------------|------------------------------------|
| Nanotechnology                                  |           |           |           |                     |                    |                                    |
| Technical Training                              | Training  | 8/29/2016 | 8/29/2016 | Internal Faculties  | Asist.Proff        | Assoc.Proff                        |
| Workshop on Mobile Communication                | Add-On    | 8/27/2016 | 8/28/2016 | Mr. Anugrah chavhan | senior engineers   | TATA Telecomm communications       |
| PCB DESIGNING WORKSHOP                          | Any Other | 8/22/2016 | 8/23/2016 | BE Students         | Students           | SCOE                               |
| Training  | Training  | 8/22/2016 | 8/29/2016 | Vinay Raikar        | Trainer            | -                                  |
| Workshop on "Big Data Analysis (Hadoop)"        | Add-On    | 8/8/2016  | 8/10/2016 | Mr. Tushar Kute     | Analyst            | Miitu Skillogical                  |
| Orientation Program for AM-I and AM-II          | STTP      | 8/2/2016  | 8/2/2016  | Dr. S. V Latkar     | FE HOD             | Saraswati College Of Engineering   |
| Workshop on "Aptitude and communication skills" | Training  | 7/27/2016 | 8/1/2016  | Mr. Vinay Raiker    | Technical Trainer  | Visiting faculty                   |
| Workshop on "Python Development"                | Add-On    | 2/28/2016 | 7/29/2016 | Mr. K.K.Mane        | Software Developer | Founder Digital Freedom Foundation |

#### 4. Research Grants

#### SPONSORED RESEARCH

#### ACADEMIC YEAR 2016-17

Total : Rs.2,47,000/-

| <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> |
|---|----------------------|------------------------------|-----------------------|--|--|------------------------|
| <b>Department of Civil Engineering</b>      |                      |                              |                       |  |  |                        |
| 1   | 2016-2017            | Prof. Pooja Somani           | Prof. Rachel Gitty    | University of Mumbai<br>Minor Research Rants | Water quality Analysis in storage taking of housing societies                                    | Rs.15,000/-            |
| 2   | 2016-2017            | Prof. Shilpa Kewate          | Prof. Roshni John     | University of Mumbai<br>Minor Research Rants | Effect of Glass powder and Brick powder on compressive strength of concrete                      | Rs.10,000/-            |
| <b>Department of Information Technology</b> |                      |                              |                       |  |  |                        |
| 3   | 2016-17              | Mrs. Vaishali Jadhav         | Ms. Shilpa Satre      | University of Mumbai<br>Minor Research Grant | A QoS-Oriented Distributed Adaptable Opportunistic Routing Algorithm for Hybrid Wireless Network | Rs.15,000/-            |
| 4   | 2016-17              | Mrs. Anuradha Dandwate       | Mr. Harshal Shetye    | University of Mumbai<br>Minor Research Grant | Real time leaf diseases analysis   | Rs.19,000/-            |
| <b>Department of Computer Engineering</b>   |                      |                              |                       |  |  |                        |
| 5   | 2016-17              | Prof. Deepa Parasar          |                       | University of Mumbai<br>Minor Research Grant | Framework for Detection and Rectification of distorted fingerprint                               | Rs.26,000/-            |
| <b>Department of EXTC Engineering</b>       |                      |                              |                       |  |  |                        |
| 6   | 2016-2017            | Dr. Manjusha. Deshmukh Madam | Prof Sheetal Bukkawar | University of Mumbai<br>Minor Research Rants | Design of Fractal Antenna for multi band Application   | Rs.20,000/-            |



|   |           |  |                      |  |  |             |
|---|-----------|--|----------------------|--|--|-------------|
| 7   | 2016-17   | Prof. Sheetal Bhujade  | -----<br>-----       | University of Mumbai<br>Minor Research Rants | Design and optimization of monopole and micro strip patch antenna Using Defected 4d ground Structure (DGS) for UWB Application                               | Rs.22,000/- |
| 8   | 2016-2017 | Prof. Pallavi Kharat   | Prof.Sneha Burnase   | University of Mumbai<br>Minor Research Rants | 3- Dimensional Video Processing Using Holographic Projection Technology  | Rs.20,000/- |
| <b>Department of Mechanical Engineering</b> |           |  |                      |  |  |             |
| 9   | 2016-17   | Prof. M. B. Sorte  | Prof. Sachin Solanki | University of Mumbai<br>Minor Research Grant | Optimization Of Stress Distribution For Yoke In Universal Joint Of Steering Vehicle Under Variable Torque Condition Using Numerical And Experimental Methods | Rs.30,000/- |
| 10  | 2016-17   | Dr. Fauzia Siddiqui, Mr. Paramjit Thakur, Mr. Dheeraj Kulkarni, Ms. Jaai Babgumar, Mr. Sharique Ahmad. |                      | Funds received From ISHRAE                   | Ground Coupled Heat Exchanger Air-Conditioning System  | Rs.70,000/- |

### **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            | 201621015361  | Automatic transmission for vehicle | Prof. S.N. Teli, Mr. Sagar Devichand Patil | 5/3/2016              |

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

| <b>Department</b> | <b>Institute</b>   | <b>Purpose</b>  | <b>Date from</b> | <b>Date to</b> |
|-------------------|--|---|------------------|----------------|
| MECH              | MATRIX CADD Academy  | Engineering and Design skill development programmer                           | 14/02/2017       | 14/02/2020     |
| EXTC              | IIITC, Mumbai  | To provide trainings to students under MOU                                    | 03/01/2017       | 03/01/2022     |
| CS                | E-Incarnation Recycling Pvt. Ltd                                 | Collect E-Waste from Institute and Recycle it                                 | 01/01/2017       | 01/12/2020     |
| EXTC              | Reliance JIO   | Lab set up and to provide course programs developed by Reliance to students.  | 30/08/2016       | 30/08/2021     |
| EXTC              | Reliance JIO   | Free wi-fi facility   | 10/08/2016       | 10/08/2021     |
| EXTC              | Mahatma Gandhi Mission's Medical College & Hospital, Navi Mumbai | Academic & Research Activities  | 08/08/2016       | 08/08/2021     |
| FE                | Saraswati College of Engineering                                 | Academic/ Research collaborations   | 01/07/2016       | 31/12/2017     |
| FE                | C.K.T. college of Science Panvel                                 | Academic/ Research collaborations   | 01/07/2016       | 31/12/2017     |
| CIVIL             | SYNERGY School of Business                                       | Knowledge Sharing & Job opportunities & Workshop                              | 22/06/2016       | 22/06/2019     |
| MECH              | CADD Center Kharghar   | R & D in Mechanical Engineering and Skill development programmer for students | 15/06/2016       | 15/06/2019     |
| EXTC              | Terna college of engineering, Nerul                              | R&D and academics Initiatives   | 14/06/2016       | 14/06/2021     |
| EXTC              | LIVEWIRE for Live Careers  | Organizing Industry training programs and workshops for students.             | 07/06/2016       | 07/06/2021     |

## **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      |
|--------------------------------|--------------|-----------|
| Farewell                       | CIVIL1       | 5/4/2017  |
| Farewell                       | EXTC         | 4/26/2017 |
| Women's Day Celebration        | FE           | 3/8/2017  |
| Alumni meet                    | CIVIL1       | 3/3/2017  |
| Technitia 4.0                  | CS           | 2/27/2017 |
| Street play at SCOE- DRISHTI   | NSS          | 2/25/2017 |
| Webpage designing              | IT           | 2/17/2017 |
| Seminar on "power of Internet" | IT           | 2/17/2017 |
| Counter Strike                 | IT           | 2/17/2017 |
| Road crash                     | IT           | 2/17/2017 |
| Full toss                      | IT           | 2/17/2017 |
| 7 Up 7 Down                    | IT           | 2/17/2017 |
| Gol Gappa Competition          | IT           | 2/17/2017 |
| Parent Teachers Meeting        | CIVIL1       | 2/11/2017 |

| <b>Title</b>                                  | <b>Organized By</b> | <b>Date</b> |
|---|---------------------|-------------|
| Debate Competition                            | FE                  | 2/10/2017   |
| Sub Conscious Mind                            | CS                  | 2/1/2017    |
| Awareness Rally - Voters Day                  | FE                  | 1/25/2017   |
| Youth day celebration                         | NSS                 | 1/12/2017   |
| Nurture                                       | FE                  | 1/9/2017    |
| Nurture                                       | AUTO                | 1/9/2017    |
| 7 days special residential camp at at Palghar | NSS                 | 12/21/2016  |
| Martyrs Day                                   | NSS                 | 11/26/2016  |
| Run for Unity                                 | NSS                 | 10/31/2016  |
| Visit to Bal Sudhar Gruha at South Mumbai     | NSS                 | 10/31/2016  |
| Cracker free Diwali                           | NSS                 | 10/28/2016  |
| Soak pit inauguration                         | NSS                 | 10/24/2016  |
| Swachh Bharat Abhiyan - Mega event            | NSS                 | 10/23/2016  |
| Positive Thinking                             | CS                  | 10/8/2016   |
| Parent Teachers Meeting                       | CIVIL1              | 9/24/2016   |
| Health check up camp and blood donation camp  | NSS                 | 9/17/2016   |
| Blood donation camp at SCOE                   | NSS                 | 9/17/2016   |
| Akhand Bharat Rally                           | FE                  | 9/16/2016   |
| Chowpatty Cleanup (Girgaon)                   | NSS                 | 9/16/2016   |
| Akhand Bharat Rally                           | NSS                 | 9/16/2016   |
| Engineer's day celebration                    | IT                  | 9/16/2016   |
| Teacher's day celebration                     | IT                  | 9/16/2016   |
| Teachers Day 2016                             | CS                  | 9/14/2016   |
| Engineers Day 2016                            | CS                  | 9/14/2016   |
| Book Donation at Girgaon                      | NSS                 | 9/4/2016    |
| Books/Pens Donation Drive                     | NSS                 | 9/4/2016    |
| Teacher's Day Celebrations                    | EXTC                | 8/26/2016   |
| ETSA INDUCTION                                | EXTC                | 8/26/2016   |
| Nurture SE-B                                  | CIVIL1              | 8/23/2016   |
| Swachhata Pledge                              | NSS                 | 8/22/2016   |
| Independence Day Celebration                  | NSS                 | 8/15/2016   |
| Independence day celebration                  | NSS                 | 8/15/2016   |
| Nurture                                       | CIVIL1              | 8/8/2016    |
| Nurture SE-A                                  | CIVIL1              | 8/8/2016    |
| FUN FAIR                                      | EXTC                | 7/10/2016   |

#### **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