



**South Indian Education Society's**

**SIES Graduate School of Technology**

**Sri ChandrasekarendraSarawathyVidyapuram Plot 1 C/D/E**

**Sector -5 Nerul Navi Mumbai**

**Annual Report**

**of**

**SIESGST**

**from**

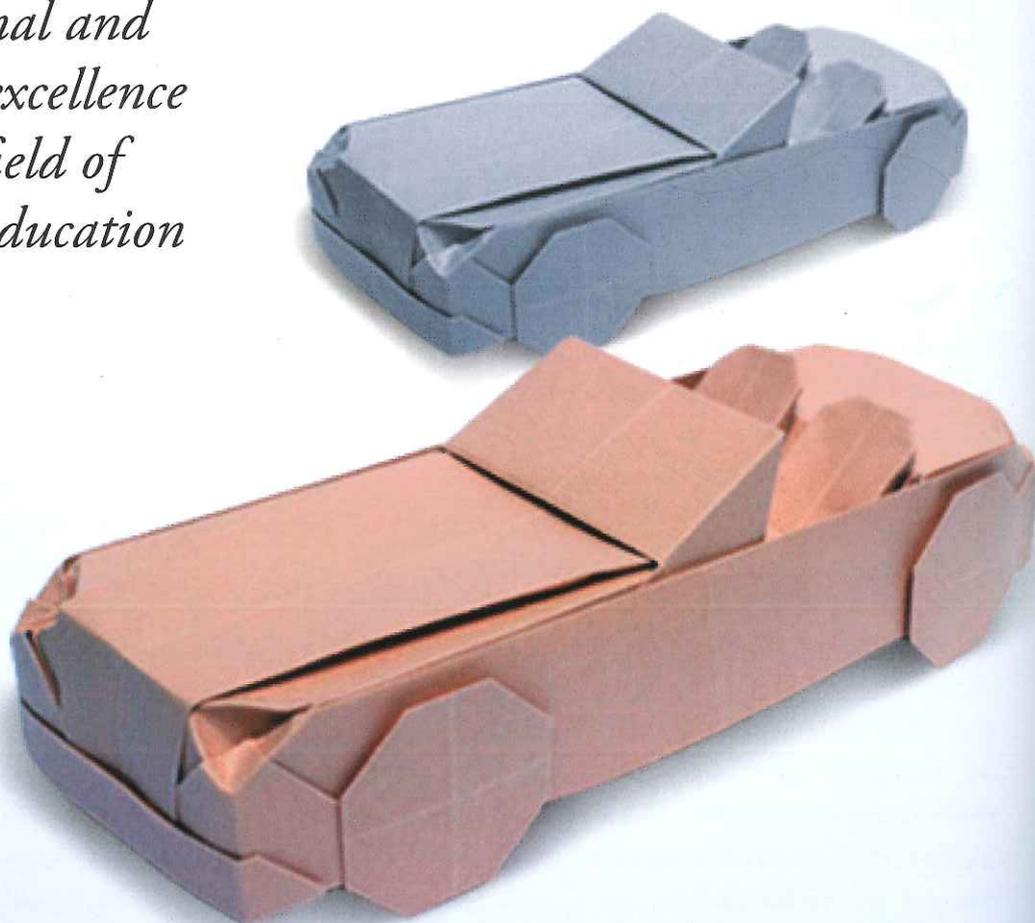
**2015-16 to 2019-20**



# SIES GRADUATE SCHOOL OF TECHNOLOGY

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*Speeding ahead with  
professional and  
academic excellence  
in the field of  
technical education*



## ABOUT THE INSTITUTE

The SIES Graduate School of Technology has come of age with its tenth batch passing out this year. It has made a mark in the technical education field as one of the best engineering colleges in Mumbai and ranked second in Navi Mumbai. GST students have excelled in all fields and have made their presence felt in a big way at the University, State and National levels. The institute has established its brand as one of the most professional and disciplined colleges in Mumbai and rank amongst the top ten colleges in terms of results and placements.

## ACADEMIC ACHIEVEMENTS

All branches gave excellent results this year with the overall pass percentage crossing 75% and more than 85% subject wise. The final year result for the 2015 pass out batch crossed 98%. The college had TWO University toppers in the University of Mumbai in the academic year 2014-15. Ms. Shenoy Jagruti Jagdish, B.E. (EXTC) and Ms. Gandhi Tanvi Sunil (PPT) secured First Rank in the University of Mumbai. Additionally, the School had 20 rankers in the top 100 merit list of the university across all branches. The convocation was held on January 26, 2016 with Shri. Ramrao Wagh, Retd Commissioner of Police as the Chief Guest.

## List of University Merit Rankers of 2014-15

### Examination:

Rank	Name	Degree
1	Ms. Shenoy Jagruti Jagdish	B.E.(EXTC)
2	Gandhi Tanvi Sunil	B.E.(PPT)
3	Kolhi Deepn Raman	B.E.(PPT)
4	Tambe Virendra Sanjay	B.E.(PPT)
5	Revathi Nair	B.E.(BT)
6	Krishna Nair	B.E.(BT)

## MOU'S & COLLABORATIONS

- Collaboration with the Confederation of Indian Industries (CII) which has benefitted immensely in interaction with the industry.
- The EXTC department signed MOU with 'Eduvance', for lab setups and training under ARM University Program (AUP), in collaboration with Cypress Semi conductors University Alliance (CUA).
- The EXTC Department is now the Centre of Excellence for the D Link Academy, providing certification in switching technology.
- Set up of the NPTEL study centre in collaboration with MHRD and IIT's through which students and faculty can pursue online courses. Three of Mechanical Engineering students who took up a course stood 1st, 3rd



ISR initiative BEACON inauguration

and 6th in the all India level examination conducted by NPTEL.

- Special provision of 9 licenses of Artios CAD & DesPac from Esko.
- Special Lectures conducted in collaboration with Print Week India, BMPA named "Seekho Aur Samjho" every alternate month.
- Various motivational seminars by Dr.Manu Vora conducted in collaboration with ASQ India Leadership Excellence series via Google hangout.

### INSTITUTIONAL SOCIAL RESPONSIBILITY (ISR) - BEACON

The Graduate School of Technology has committed itself to the task of inclusive social upliftment by providing free six month vocational training to school dropouts, unemployed youth and street children in the age group of 16 to 35. The ISR project aptly named 'Beacon' was flagged off on Jan 1, 2016 and six trades were introduced; Electrician, Plumbing, Welding & Metal Turning, Computer Operator, Mobile & Laptop Repair, Sewing & Tailoring. The candidates were given a basic training in spoken English, banking skills,



Avishakar Project Team

computer operation, etiquettes and grooming before moving on to the specific trades. There are a total of 47 enrollments and all the courses have taken off well. There has been active participation from students and faculty in conducting the program. Collaboration with the industry and service providers is planned to facilitate internship and employment and each candidate has been given a trade specific tool kit at the start.

### ACHIEVEMENTS & INITIATIVES

- Won the first and second position in the Mumbai University student project competition from amongst 129 entries from all the engineering colleges. The two teams then represented University of Mumbai in the inter-university project competition 'Avishkaar 2016' at Pune. The project 'Human Computer Interaction for assisted living of paralyzed patients' won the second prize.
- Initiative in setting up solar panels on GST & SIESCOMS buildings with generation of 400 units on an average, every day. The SIES team won the BEQUET award for their project on reducing electricity costs.



*Avishkar Project team with Maharashtra Governor during the project competition held at Pune*

- The Printing & Packaging Technology department conducted a national level job fair with a presence of 27 top companies. More than 140 students visited the fair and got job opportunities in the printing & packaging industry.
- The Printing & Packaging Technology department also organized a unique event called 'P-Pack Junior, 2016', for XI<sup>th</sup> standard Science students. It was a technical quiz competition and package design contest which was based on introductory concepts of Printing & Packaging Technology. The main objective of the event was to create interest and awareness about the course in junior colleges and highlight its future prospects. 80 students from various top schools in Navi Mumbai participated.
- Initiatives taken to foster outcome based education in a big way and classroom teaching more focused on the interactive learning

techniques, mapping of defined learning objectives to course outcomes and using active learning strategies.

### **ERP INITIATIVES**

- Online faculty & infrastructure feedback System developed by Sugandhi Subramanian and Srinivas Ambat (final year students). The system features online feedback from anywhere, tracking of previous performance, email notification to faculty, overall department performance.
- Online Transcript generation developed by Fuzail Momin and Prashant Singh; final year students features generation of transcripts through online request and payment with email notification at every stage.
- Audit management system developed by Srinivas Ambat, final year student features management and tracking of department



accreditation files with facility for uploading student certificates and information.

- One week Short Term Training Program was organized for all the Mechanical Engineering Department Faculty members on 'Finite Element Analysis with ANSYS' which covers static and dynamic analysis of systems. By Mr. Datta Parle, from June 19-24, 2015.
- A two week ISTE short term training programme on "Technical Communication" from Oct 8 to Dec 5, 2015 conducted by IIT, Mumbai under the National Mission on Education through ICT (MHRD, GoI)
- A 'CII CEO CONNECT' was held on 24.02.2016 which gave an opportunity to students to interact with senior management of companies. Shri. Satish Jamdar, Chairman & Managing Director, Blue Star Ltd, Shri. Venkatesh Iyer, Founder, Goli Vada Pav and Shri. Saurabh Saxena, Founder-CEO, Holachef contributed to the panel discussion on 'CEOs expectations from fresh graduates'. The discussion was followed by an informative and insightful interactive session with the students.

## RESEARCH & DEVELOPMENT

- Dr. Rizwana Shaikh Completed her PhD in the area of Cloud Computing Titled "Trust Model for Measuring Security strength of a Cloud Computing Service", under the guidance of Dr. M. Sasikumar, Director of CDAC Research Center, Kharghar, from NMIMS University Mumbai.
- Seven faculty members across departments have enrolled for Ph.D. this year.
- Dr. Manasi M Karkare received a Minor

Research Project grant of Rs.50,000/- on "Preparation of thin film of nano TiO<sub>2</sub> and study of its optical, electrical and photocatalytic properties", from the University of Mumbai.

- Shri. Sagar Shejwalkar received a Minor Research Project grant of Rs 30,000/- on "Edible & water soluble films", from the University of Mumbai.
- Shri. Prasad Balan Iyer received a Minor Research Project grant of Rs. 30,000/- on "Evaluating parameters of a 3D printer", from the University of Mumbai.
- Ms. Rashmi Bhat received a Minor Research Project grant of Rs. 30,000/- on "Parameter study for Thermoforming machine", from the University of Mumbai.
- Ms. Prachi Sahane received a Minor Research Project grant of Rs. 30,000/- on "Realtime monitoring of CO<sub>2</sub> emission in vehicles", from the University of Mumbai.
- 18 faculty members published papers in peer reviewed national/international journals.
- 26 faculty members attended four weeks Short Term Training Programme on Pedagogy for effective use of ICT in Engineering education', conducted by IIT, Mumbai under the National Mission on Education through ICT (MHRD, GoI) .
- 27 faculty members attended four weeks Short Term Training Programme on Technical Communication', conducted by IIT, Mumbai under the National Mission on Education through ICT (MHRD, Government of India).
- An informative talk by Dr. K K Jadhav, Joint Director, UPSC, New Delhi was organized on Saturday, December 19, 2015. He addressed all inquiries regarding the various competitive



exams, opportunities and advantages of joining the Commission and other related services for graduate engineers.

### ACADEMIC / TECHNICAL ACHIEVEMENTS OF STUDENTS

- A team of 25 mechanical engineering students, 'Team Turbocrafters' represented the college at BAJA Student India 2016 held at Noida in February, 2016 and a team of 6 members got qualified for national level competition, 'GOKART' to be held at Jalandhar in March, 2016.
- In 'Avishkar' state level project competition held at the University of Mumbai, Vivek Venkatram and team (BE EXTC) secured first prize and won the silver medal at the University of Pune and Emmanuel Francis

(TE IT) bagged second position at the inter-university research convention at district level.

- Clint Mathew (BE ME) secured 99.85 percentile in CAT 2015
- Abhishek Baliram obtained AIR 3, Udaiyar Barath and Adithya Thennarasu obtained AIR 6 and Neel Chandrakant obtained AIR 1 at NPTEL examination.
- Greeshma Pillai and Prashant Singh (BE CE) won the first prize in Technical Paper Presentation at Trinity, a National Level Competition and third prize at ICT 'Metamorphosis' Inter college competition, Rushika Verma (BE CE) won the second prize in inter college event, 'Texture' and Sandhya Murali (BE CE) won first prize at Cognition'15 held in SIES GST, Nerul, Yashwant Pardeshi, Rahul Wani and Aparna Vinod of Printing and Packaging Technology

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- won first prize in 'Impressions'16' at Manipal University for technical paper presentation.
- Prashant Singh, Akhil Menon and Pramitkumar Yadav won first prize in B-plan ICT 'Metamorphosis' and in NMIMS inter college event, second prize in 'Bizence' during SIES GST inter college fest and third prize in Trinity National level B-Plan competition.
  - Sujesh Menon (BE EXTC), Varun Vallabhan and Sachin Gowda(TE EXTC) conducted a workshop for their fellow students on 'Arduino Uno' at SIES GST, Nerul, on 23rd January 2015.
  - Sulochana Pathak and Mitali Sawant of third year Printing and Packaging Technology bagged the second prize in NEC 2015-16 held at IIT Bombay.
  - Ms. Aishwarya Iyer and Arpita Wagle (BE BT) won 2nd prize in Poster Presentation Competition held at Thadomal Shahani College of Engineering, Bandra.
  - Students of TE Biotechnology, Priyanka Iyer and Swetha Iyer won third prize in the national level technical paper presentation competition, 'PAPYRUS', held at the Indian Institute of Chemical Technology(ICT) under the category, 'Green Technology', topic being 'Biosynthesis of eco-friendly bioplastics using renewable carbon source'.
  - The college 'Tug of War boys' team bagged Bronze medal and girls' team bagged silver medal at the University of Mumbai Tug of War championship. The boys Tug of War Team secured the first position in the Inter-Collegiate Tug of War tournament conducted by Bharathi Vidyapeeth Institute of Management. The college teams also secured the first and second positions respectively in the Inter-Collegiate Tug of War tournament organised by YMT College, Navi Mumbai and second position in the Inter-Collegiate Tug of War tournament organised by Pillais College, Panvel.
  - Arjun Naganarayan (BE CE) and team won the second prize at the inter college Cage Football competition, Sagar Matkar (BE CE) won the second prize in Chess competition.
  - The college Girls' Basketball team came in Top 8 at the university of Mumbai and also bagged the second prize in Basketball at inter college level held in Father Agnels College, Bandra.
  - The Girls throw ball Team secured the first position in Inter-Collegiate Throwball tournament organised by Fr. Conceicao Rodrigues College of Engineering, Bandra, YMT College, Navi Mumbai, Bharathi Vidyapeeth Institute of Management and DJ Sanghavi College of Engineering. They also secured the Second position in the Inter-Collegiate Throwball tournament organised by SIES GST.
  - Aditya Jaijeevanand and Nikhit Raj won the first and second positions respectively, in the Inter-Collegiate Badminton tournament organised by SIES College of Management under the Men's singles category. They also secured the First position in the Men's

### **ACHIEVEMENTS IN SPORTS**

- Nilofer Shaikh won the Silver Medal in Sabre and Bronze medal in foil at the University level Fencing Event organised by Mumbai University. She also represented the Mumbai University at the Inter-University Level held at Chandigarh



- "Tug of war" team of SIESGST for the year 2015- won second prize at University Level



Winners at Intercollegiate Throw Ball Competition during Lakshya' 16 sports festival

Doubles category, Nisha Nair and Vishala Deshpande won the first and second positions respectively, under the Women's singles category. Aditya Jaijeevan, Nisha Nair and Nikhit Raj, Vishala Deshpande secured the first and second positions respectively, under the Mixed Doubles category.

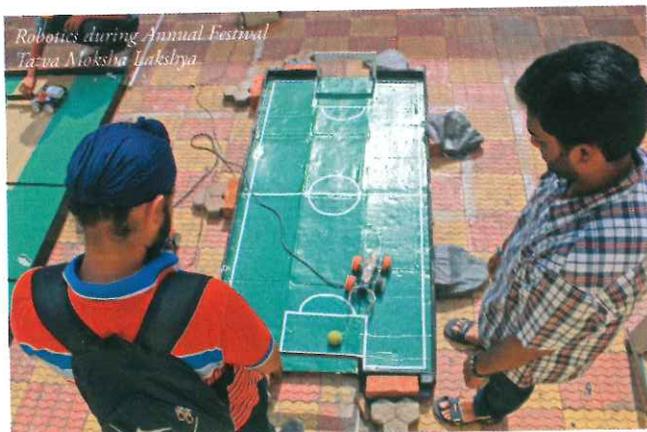
- The boys Football and Volleyball team both won the first prize at inter college tournaments held at SIES GST.
- Arushik Shetty secured the first position in the Inter college Table Tennis tournament organised by Bharati Vidyapeeth College, Navi Mumbai and the second position in the inter college tournament organised by SIES College of Management Studies.

## ACHIEVEMENTS IN CULTURAL ACTIVITIES

- Aishwarya Ravishankar (SECE) secured 1st prize in classical dance competition at University level and is now representing India

at SAARC in classical dancing.

- Vinay Hegde (BE IT) won first prize at PC Alexander English Elocution competition, at the zonal level. He then went on to represent the university at the west zone India Yuvi Fest in Gujarat and was felicitated by the vice chancellor of the University of Mumbai. He then represented University at the state level debate and elocution, 'Indhradhanushya' in Nagpur.
- Pramitkumar Yadav (BE CE) won first prize in 'Inquisitive' quiz competition at university level.
- Nevathika Narendran and group 'AAGMI' won second prize at 'Alegria' Pillai's college of engineering, Panvel and at 'TatvaMokshLakshya', SIES GST, Nerul in inter college folk dance competition.
- 'Moksh', the college Hip-hop dance crew won third prize at 'Alegria' inter college group dance competition held at Pillai's institute of technology, Panvel; second prize at YMT college; first prize at 'Pixels' SIES College of



Management Studies, Nerul and at Saraswati college of engineering, Kharghar.

- The college dance crews 'MOKSH' (Hip-hop) and 'AAGMI' (Folk Dance) also got selected to perform at the India Dance Week, a platform where eminent choreographers and dancers judge and guide performers while all the same conducting dance competitions.
- Preethi Warriar, Nivedita P. and Aparajita (BE BT) won 3rd prize at Terna College and at Pillai's institute, 1st prize in D.Y. Patil institute of Biotechnology and Bioinformatics for inter college group dance competition.
- Samadhan Lavate (BE CE) won third prize in Marathi Elocution. Ameya Kale of final year EXTC and his team secured the third position in Marathi mono acting competition, 'Abhinav Ekankika Spardhotsav' organized by Prayog Theatre and Performing Centre, Borivali.

## ACHIEVEMENTS IN TECHNICAL ACTIVITIES

- The first major initiative for the year was taken by the technical team in the form of the GST Developer's Program in the month of June 2015. Under the GDP, students,

especially from the First and Second year of Engineering are mentored and given hands on experience of upcoming technologies by their seniors in the fields of App development, Web Development, Robotics, Media and Design. The success of this initiative is evident from the fact that the new website for the college is currently being maintained by two of the first year engineering students Harish Balasubramaniam and Omkar Prabhu.

- September 2015 was the time for the much awaited Annual Technical festival 'Cognition'. Celebrating the occasion of Engineer's day, Cognition 2015 encompassed events like National level Paper presentation, project competitions, technical debates, quizzes and so on. These events were held under various student chapters of college. Moreover, in its first, the world cube association visited our campus to conduct a national level Rubix cube challenge which saw the participation of many internationally acclaimed record holders.
- Also as a part of Cognition, the Entrepreneurship development cell of the college organized a Speaker Session by Rashmi Bansal, the bestselling author of books like 'Stay Hungry, Stay Foolish',

and a panel discussion for start ups consisting of Jai Mrug – CEO of M76 Analytics, Rakesh Rajeev – In-charge of SINE incubator, IT Bombay and Rajeev Godbole – CEO of Drona Aviation. The EDC also deserves a special mention for securing the second position in the National Entrepreneurship Challenge held at IIT-Mumbai.

- Another highlight of the festival was the series of workshops for ‘Internet of Things’ and App development held in association with Microsoft.

## CO-CURRICULAR ACTIVITIES

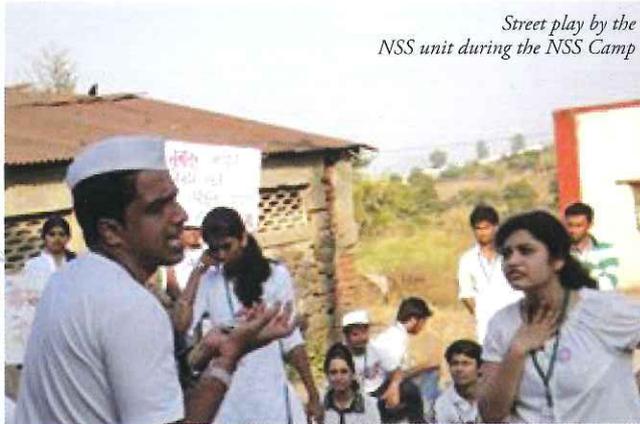
### Industrial Tours & Visits

- A five day Industrial tour was organized for third year students from all departments to Jaipur. 350 students accompanied by 10 faculty members joined the tour and visited major course specific industries.
- A visit to Voltas plant, Thane was conducted for 120 Mechanical Engineering students on Feb 3-5, 2016.
- A visit to a Power plant in Ratnagiri was conducted on March 19, 2016 for third year Mechanical Engineering students.
- A visit to Persistent Systems, Pune was organized for CE & IT students on Feb 13, 2016

## NATIONAL SERVICE SCHEME NSS

- **International Yoga Day:** Two days of Yoga workshop was conducted in the college for students and faculty at the Ved Vidya Peeth Hall on 19<sup>th</sup> and 20<sup>th</sup> of June 2015. Volunteers also celebrated the inaugural International Yoga Day on 21<sup>st</sup> June 2015 at the University of Mumbai, Kalina.

- **National Integration Camp:** A girl volunteer attended the 7 day residential NIC camp at Kalina campus between 28<sup>th</sup> June and 4<sup>th</sup> July 2015, accompanied by girls from 28 different states.
- **Independence Day and Republic Day celebration:** All volunteers actively participated in the Independence Day (15<sup>th</sup> August 2015) and Republic Day (26<sup>th</sup> January 2016) celebrations by performing musical skits on current affairs and decorating the college with creative artwork.
- **Waste Management (Compost Pits):** Maintaining the 5 compost pits and compost filtering are regular activities of the NSS unit. A seminar on waste management (10<sup>th</sup> October 2015) was also conducted by Stree Mukti Sanghatna in the college.
- **NSS Week:** The NSS week was celebrated between 20<sup>th</sup> September and 26<sup>th</sup> September 2015, where all the volunteers performed street plays in the college Canteen area on issues such as LGBT, Acid Attacks, Blood donation, Special Children, etc. E-waste collection and Book donation drives were also conducted during this week.
- **Blood Donation:** The Blood Donation Drive in association with Sion Hospital, conducted on the NSS Foundation Day i.e. 24<sup>th</sup> September 2015 in the college Physics Lab, collected a total of 225 units of blood.
- **Swachh Bharat Abhiyaan:** The volunteers actively participated in the cleaning of the Army ground and areas in Shiravne village as a part of the Swachh Bharat Abhiyaan initiative. Volunteers also attended the Bhajan Sandhya on 2<sup>nd</sup> October 2015 at the Gateway of India, celebrating Gandhi Jayanti.



*Street play by the NSS unit during the NSS Camp*



*NSS Camp activity at Temburi village*

- **Cyber Crime Safety and Road Safety Seminars:** An informative and interactive session on Cyber Crime Safety by Assistant Commissioner of Police Mr. Suresh Swami, Cyber Safety Cell, Navi Mumbai was conducted on 13<sup>th</sup> October 2015. The Asst. Inspector of Police, Navi Mumbai, Mr. Nitin Patil delivered a speech on the importance of Road Safety and explained the motto of the traffic police on 14<sup>th</sup> October 2015.
- **Institute Social Responsibility (ISR):** Beacon The volunteers played an important part in identifying and enrolling the students for ISR. The NSS students actively volunteer in the teaching and monitoring sessions for the ISR students in courses such as Computer Fundamentals and Computer Operator Trade Course.
- **Indian Army Day:** The Indian Army Day (15<sup>th</sup> January 2016) was celebrated with great patriotism paying tribute to our soldiers. Students also wrote messages for them in gratitude.
- **Dream Run and other marathons:** The Annual marathon Dream Run was conducted on 14<sup>th</sup> February 2016 which saw the volunteers spreading awareness regarding the noble cause of supporting the drought-

affected farmers of Maharashtra through a Street play at Nerul station and nearby areas of the college and donated more than a lakh of rupees to NAAM foundation for the noble cause on behalf of SIESGST.

- Other marathons include Run for Unity (31<sup>st</sup> October 2015, Churchgate) and Walkathon for visually challenged children (Sanpada).
- **Blue Ribbon Movement (BRM):** 7 volunteers were a part of the Blue Ribbon Movement which is a leadership and skill building programme. All the NSS volunteers aimed at making our city a better place by filing complaints and solving civic problems.
- **School Drop-out Children Survey:** A Government associated survey was conducted to count the number of school drop-out children in the nearby areas of HP Quarry and Mahatma Gandhi Quarry, Nerul, on 27<sup>th</sup> January 2016.
- **NSS Special Residential Camp:** The 7-day residential camp was conducted between 28<sup>th</sup> December 2015 and 3<sup>rd</sup> January 2016 at Tembhurli village, Shahapur. The major activities during the camp included Bandhara building, Zilla Parishad school children interaction, Swachh Bharat Abhiyan, awareness



through street plays, school wall decoration, ground leveling, etc. The bandhara (dam) which was built by the NSS volunteers greatly helped the village people as they would receive water only once in 2 days. The dam increased the water level in the river significantly.

- **TCS Road Safety Skit:** Our volunteers won the 3<sup>rd</sup> prize in the Tata Consultancy Services (TCS) Road Safety Programme Street Play competition conducted on 21<sup>st</sup> January 2016.

### WOMEN'S DEVELOPMENT CELL ACTIVITIES

- Seminar on 'Osteoporosis' Conducted on 1<sup>st</sup> August 2015 by Prof. Chhaya Vijay Kumar Verma, Professor in Physiotherapy (Musculoskeletal Conditions), in Seth G. S. Medical College, K.E.M. Hospital, Parel conducted Bone Mineral Density Test. Most of the college faculty and staff have participated and benefited from it. Later, a seminar was conducted which was mainly focused on osteoporosis symptoms, causes and treatments. Also some guidelines regarding diet plan was discussed in the seminar.
- CII-EEF mentorship section for female

students by Ms. Mini Menon conducted on 6<sup>th</sup> Aug, 2015.

- CII-EEF mentorship section for female students by Ms. Mitu Samar on 7<sup>th</sup> Aug, 2015

### LIBRARY

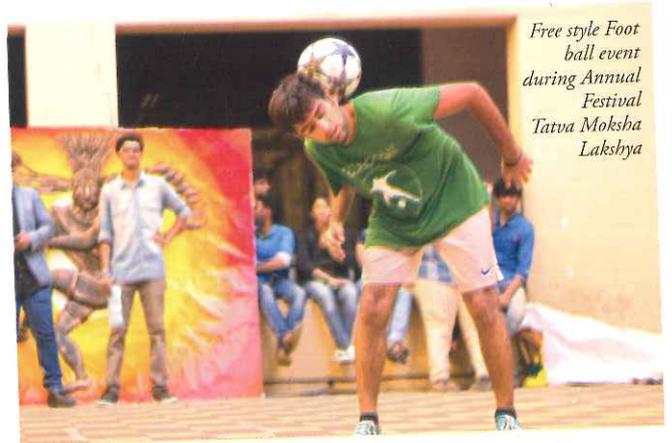
- During the Year 2015-16, 1884 Books to Central Library & 89 books to Departmental libraries were added. The library currently subscribes to 7002 e-resources of IEEE, Science Direct, Springer link, McGraw Hill, J-Gate, ASTM Digital Library etc. In addition to e-resources, library subscribes to 48 national journals, 200+ e-books and 8 newspapers.
- Readers can directly access all the e-resources throughout the GST campus and highest numbers of hits were recorded in Science Direct & IEEE during 2015.
- The library has set up Dspace digital repository and users can access the contents of project reports, internal question papers of FE & journal articles published by faculty.
- Book exhibition was conducted to create awareness and encourage the users, 77 titles and 146 volumes in various disciplines of engineering were selected.

### TATVA-MOKSH-LAKSHY- THE ANNUAL CULTURAL FESTIVAL

- The SIES Graduate School of Technology organized 'Tatva Moksh Lakshya', the annual inter collegiate technical, sports and cultural festival on 24<sup>th</sup>, 25<sup>th</sup> and 26<sup>th</sup> of February, 2016.
- The theme of the festival this year was 'The Great Indian Fair'. The concluding part of the



*Band Performing during Annual Festival Tatva Moksha Lakshya*



*Free style Football event during Annual Festival Tatva Moksha Lakshya*

inaugural ceremony was a 'Contraption'; a series of complex interconnected mechanisms that work on the principle of energy conversion to finally light up the festival logo. This year TML managed to be a green festival by making an online registration portal and mobile app.

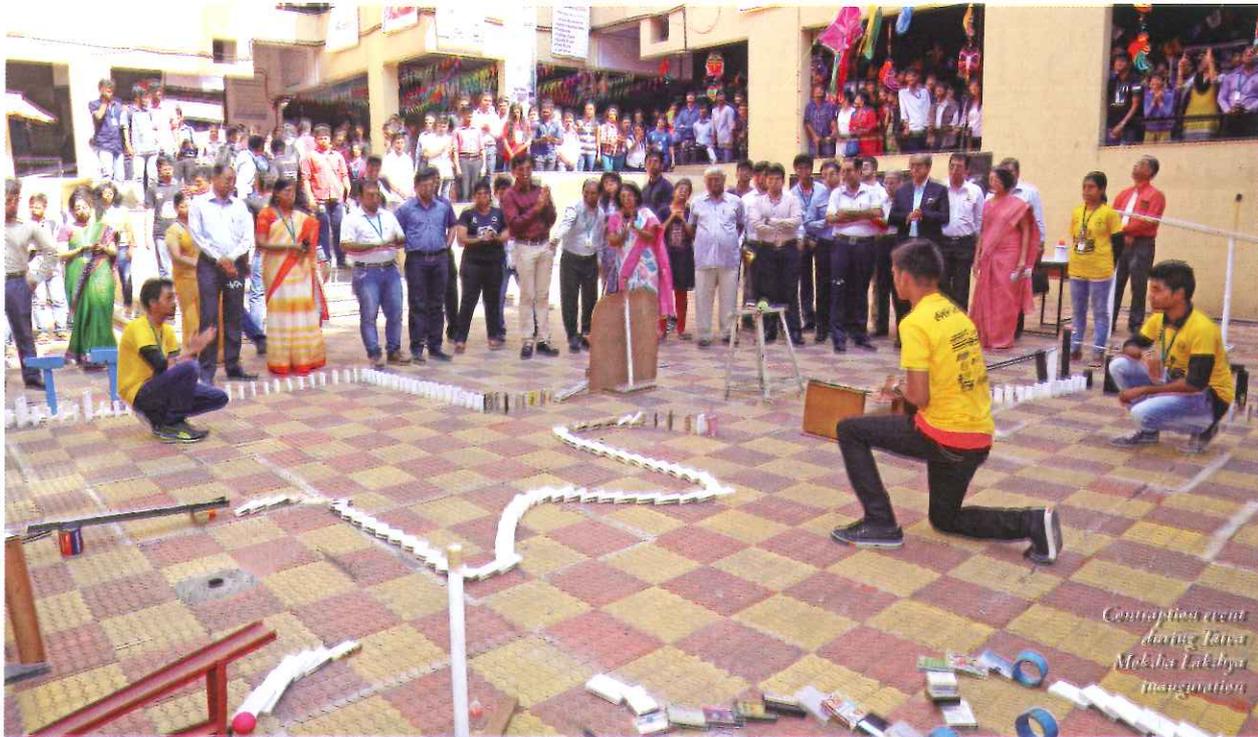
- Following the inauguration was the sports festival 'Lakshya' managed to get some serious adrenaline rushing with events like Cage Football and cage cricket.
- The Robotics events has been SIES GST's star attraction over the years and this time too, many events like Robo F1, Robo Soccer, Aqua Bot were conducted. Further, the Robotics team put a great show by taking the level 1 Robots to the next level. The autonomous moving robot mascot was a star attraction of the festival. The Entrepreneurship Development Cell also successfully conducted a national level business plan competition 'Bizence' for budding entrepreneurs fighting it out to sell ideas to the judges. Shri. Devesh Chawla, founder and CEO of 'Chatur Ideas' graced the occasion by judging the event.
- The cultural events like Singing, Karaoke,

Solo Dance, Group Dance, free style football, Moksh film festival and the amateur rock band competition, 'Am-Rock' were hugely successful and Amrock, which was the 'battle of bands' saw various genres being explored. Moksh Film Festival featured some great short films by aspiring directors. Fashion Show was a great success this year as it beamed on a number of diverse themes taken up by participants of various colleges. Bigg Boss made its comeback with a second season which was a hit among the students.

- The festival, was a three day extravaganza and climaxed with the most awaited Vh1 Supersonic EDM night. The students relaxed, loosened up and danced to the grooving beats of the DJ. It was time to celebrate all the hard work and toil they put in to organize a wonderful festival. TML 2016 was indeed a job well done.

## **TRAINING & PLACEMENT ACTIVITIES 2015-16**

- The Training and Placement Cell, organized Pre-placement Campus Recruitment Training for BE 2015-2016 from 29 June to 04 July



2015. The training program was conducted by Professional experts from SmartWayz.

- Higher studies aspirants attended information sessions on GRE, GMAT and CAT organized between 04 August and 10 October 2015. A seminar on GATE-2017 was conducted by Vijay Shekhar Academy on 12th January 2016 for the students of TE (All Branches).
- Placements for 2015-2016 batch of Engineering at SIES Graduate School of Technology started in August 2015, with some of the most reputed organizations visiting the campus for recruitment. Total 21 companies conducted the drive and 80% of eligible students from EXTC, CE & IT got placed through the campus recruitments. BE Mechanical Students appeared for in-campus & off-campus drives by TCS, Tech Mahindra, Convonix, Zycus, Cimpres, HDFC, & Blue Star. All students of BE PPT joined various

organizations as interns in January 2016, as a part of their curriculum. 19 companies conducted the recruitment process for internship for the students of Printing & Packaging Technology. Students have joined as interns in companies such as Times of India, Hindustan Times, Essel Propack, Positive Packaging, ITC, Printpack, Cipla, Marico, Ruchi Soya, HUL, Emcure Pahrma etc. Essel Propack conducted the Campus Recruitment for BE- PPT for final Placement and selected 3 students.

### ALUMNI ACTIVITIES

The annual alumni meet 'Reconnect', was organized on 2.1.2016 and was attended by more than 250 alumni members.



## SIES GRADUATE SCHOOL OF TECHNOLOGY

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### Academic Achievements

Mr. Sainath G Mane (PPT) secured First Rank in the University of Muwmbai.

List of University Merit Rankers of 2015-16 Examination:

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1st	Sainath Mane	B.E. (PPT)
2nd	Govind Shinde	B.E.(PPT)
3rd	Tambe Virendra Sanjay	B.E.(PPT)

### Collaboration

- EXTC department signed MOU with Eduvance, for lab setups and training under ARM University Program (AUP), in collaboration with Cypress Semiconductors University Alliance (CUA).
- The EXTC Department established a Centre of Excellence along with D-Link, to provide certification in switching technology.
- A NPTEL study centre set up in collaboration with MHRD and IIT through which students and faculty can pursue online courses, has acquired recognition as “active center” and stood in ‘AA’ category(11-50 active center).
- PPT department signed an MoU with ESKO Graphics Pvt Ltd, Singapore. Under the MoU, they have agreed to loan

15 licenses free of cost. Some of their softwares are already included as a part of our curriculum. Artios CAD, Desk Pack, Cape Pack, Studio Designer and Plato are softwares which are part of the MOU.

## Institutional Social Responsibility (ISR)

The second batch commenced on September 1, 2016. Along with the previous six trades, a new trade on screen printing was introduced in this batch. A total of 39 students took admission and are on the roll till date; Plumbing - 3, Electrician - 6, Welding & Metal Turning - 6, Computer Operator - 6, Mobile and Laptop Repairing - 4, and Sewing & Tailoring - 9, Screen Printing-5.

### Initiatives:

- The “P-pack” and “P-Pack Junior” events conducted on Sep 15-16, 2016, for College and Junior college students respectively. It is an initiative to create opportunity to interact and promote Printing & Packaging Technology course.
- A Workshop on Solid Works was conducted by SAE collegiate club of SIES Graduate School of Technology on 27-28 August 2016 under guidance of Prof. Chandan Chaudhari.

college at Gokart Design Challenge-2017 held at Coimbatore in January, 2017 and won the lightest vehicle title.

- Ms. Riddhi Solanki Won Silver medal in Quiz competition at Xavier’s college & also participated in IOT based project competition.
- Chaitanya Bhave from BE Computer Engineering published a paper on “A review on the synthesis, characterization and applications of green rust I”, in International Journal of Environmental Science and Technology (JEST). He presented a poster at ICNAN at Vellore.
- Shatavarth Cheruvu from B.E Computer Engineering developed a social networking application for a ward in Thane Municipal Corporation under shivsena, developing a mini fleet management application for VTransport tours and travels based on GPS tracking, implemented MQTT protocol in IOT systems and developing IOT products for home automation, conducted a 3 day IOT workshop in SIESGST with 2 mini projects completed at the end. Taught students importance of back end development and server infrastructure in IOT systems.
- Ravi Sharma of S.E Computer Engineering won first prize in collage making at University Level.

## Academic/Technical achievements of students

- A team of 30 mechanical engineering students, ‘Team Turbocrafters’ represented the college at BAJA 2017 held at Coimbatore in January, 2017.
- A team of 18 mechanical engineering students, ‘Team Efficycle’ represented the college at SAE, North India Section held between 12-16 October at LPU, Jalandhar, Punjab and stood 55th rank among 105 participants.
- A team of 10 mechanical engineering students, ‘Team GKDC’ represented the





- Students of I.T. department participated in ACM ICPC Asia Regional Preliminary Online round on 22 Oct, 2016 and were selected to participate in the onsite round of ACM ICPC Asia Amritapuri Site on December 22-23, 2016
- Students of BE Biotechnology, Priyanka Iyer, Swetha Iyer and Deepika Iyer won second prize in poster presentation in the International Conference ICEMS, organized by SIES IIEM on Jan 4- 6, 2017 on the topic, "Prospects of Utilization of Solid Waste from Food Processing In Bioprocess Industry".
- Ms. Niranjana Chettiyar and Mr. Pranav Parmar presented poster on "Fuel generation from Plastic waste" during ICEMS 2017 conducted by SIES IIEM.

### Sports Achievement

- Aditya Jayjeevan, student of B.E Computer Engineering has won first Position at University level in Badminton singles 2016, secured first position in Badminton mix doubles.
- Nisha Nair of B.E Computer Engineering won 1st position in singles and mixed doubles in the badminton tournament



- conducted by SIES Management.
- Neha Desai from BE Computer Engineering won Volleyball State level winner, and Badminton winner 2016.
- Shruti P. from B.E Computer Engineering won in swimming competition held at University of Mumbai and she won in an Inter College Throw Ball event.
- Swaraj Oturkar of BE Computer Engineering won Dream Run Marathon 2016.
- Shaikh Nilofer Babu (TE EXTC) won gold medal in foil event & silver medal in Sabre event at inter collegiate fencing tournament. She was also selected for all India fencing tournament & won bronze medal in sabre event in All India fencing

tournament held at Amritsar.(National Level.)

- SIESGST team secured second position in the Tug of War event (girls) held at the University level.
- SIESGST team secured Third position in the Tug of War event (boys) held at the University level.
- Sowmya Chillara of First Year Engineering represented University of Mumbai at Inter University Handball Matches held at Jaipur on Oct 22 to 26, 2016. Got qualified for All India Representation and was selected for All India Camp to be held at Mumbai University Campus in Jan 2017.
- Mr. Arvind Thevar of First year Engineering won Third Prize in Tug of War held at University Level.
- Mr. Kartik Langde of First year Engineering won second prize in National level "Business Project Presentation" competition.
- Ankita Auti (Third year Engineering Information Technology) secured 7th position in Javelin throw women's Mumbai university Athletics meet.
- Mr. Sanket Nikam from Third year Biotechnology participated and qualified till last round of elimination in 2016-17 of University level football championship. He also participated and qualified for the league stages in 2016-17 of Reliance foundation youth sports. He is the finalist in Football in Private sports event as well - FORZA 2016-17.

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### Cultural Achievement

- Aishwarya R of T.E Computer Engineering represented India in cultural category at SAARC, Feb 2017, held at Indore.
- Vrushali Alugade, Tanaya Badave , S.E Computer Engineering won First prize in Marathi debate competition at University level.
- Sanket Bailmare, Riona , SE Computer Engineering won Second prize in Marathi

debate competition held at University level.

- Simran Pahuja and her team secured first position in dance Competition held at PIIT, at AMITY university and ITM Kharghar , 2016.
- Dekshitha Sridhar won "Student of the Year" Award, organized by Print week India.
- Samyak Bhat won Bronze medal, Classical Instrument (non-percussion) at university level

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### Technical Activities

- Workshop on Ethical Hacking was organized by ISF (IETE Student Forum) and conducted by Mr. Mahesh Rakheja on August 20-21, 2016.
- Inter-collegiate technical quiz event, "MINDSPARK" was organized by ISF (IETE Student Forum) under Cognition 16 on September 23, 2016.
- National level quiz and debate were organized by IEEE under Techopedia conducted on 24th of September 2016.
- "DRONE MAKING" workshop was organized under IEEE by DRONA AVIATION on 27th August 2016
- The IEEE DAY was celebrated on 27th August 2016. Many of the colleges from all over the India were connected through Google Hangouts video conference and celebrated IEEE day all together.
- IEEE SIESGST organized an Industrial Visit to Institute of Satellite Telecommunication (ISTC), Pune on March 19, 2016, under the guidance of faculty Ms. Swati Rane and Mr. Pushkar Sathe

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### Doctoral Degrees

Dr. Rajkumar V Patil Completed his PhD in the area of Mechanical Engineering (Design). 9 Faculty members across departments have been enrolled for Ph.D. during 2016-17

## Faculty achievements and Research Grants

- Prof. Prasad B. Iyer, successfully completed his Post Graduate Diploma in Chemical Technology Management.
- Dr. Atul Kemkar of EXTC department received a grant of Rs.25000/- from UOM under Minor Research Project.
- Dr. Rizwana Shaikh of CE department received a grant of Rs.20000/- from UOM for a Minor Research Project on "Real time Pot hole detection using android smart phone an IOT based approach".
- Mrs.Suvarna Chaure of CE department received a grant of Rs.25000/- from UOM for Minor Research Project on "Smart Trash : an efficient way for solid waste management".
- Prof. Leena Ladge of IT department received a grant of Rs.26000/- from UOM for Minor Research project titled "IOT based structural health monitoring system
- Prof. Neena Jacob of IT department received a grant of Rs.21,000/- from UOM for Minor Research project proposal, titled "Autonomous learning Robot"
- Prof Seema Redekar of IT department has received grant for Minor Research project proposal, UOM on "Smart Light System "to UOM. Grant sanctioned Rs.20,000/-.
- Prof. Pratibha Sharma of first year engineering received grant of Rs. 25,000/- from Mumbai University under Minor Research Grant entitled "A comparative study of transportation problem under probabilistic approach and fuzzy analysis"
- Prof. Sandhya Bharambe, of first year engineering received grant of Rs. 25,000/- from Mumbai University under Minor Research Grant entitled "Synthesis of nano particles and its structural, physical properties for the use in environmental applications"
- Dr. Manasi Karkare, of first year engineering received grant of Rs. 50,000/- from Mumbai University under Minor

Research Grant in Aug 2016. She completed the project on "Thin film of Nano TiO<sub>2</sub>"

- Apart from these research achievements 18 faculty members published articles in peer reviewed national/international journals.

## Seminars/Workshops organized/ attended by Faculty of GST

- Mr. Siva Kumar of EXTC department scored 100 marks in NPTEL online course examination in BASIC ELECTRICAL CIRCUITS & received certificate from IIT Madras.
- Mrs. Pratibha J., Mrs. Nita P., Mrs Vaishali M. succesfully completed NPTEL course and received certificate from IIT Kanpur.
- Mr. Vishal Gaikwad of EXTC department organized and conducted Workshop on "ARM mbed board" for TE EXTC Students on 11th & 12th March 2016 and for SE Students on 4th & 5th January 2017
- Prof. Shubhangi Kharche Presented paper at IISC Bangalore on 8.11.2016. "Shubhangi Kharche and Sanjay Pawar, presented a paper on "Energy Consumption Evaluation and Analysis of Zo lertia Motes based 6LoWPAN Networks" in IEEE Comsoc International Conference ANTS 2016.
- Ms Preeti Hemnani "FPGA based Pulsed RF generator for NQR/NMR spectrometer" in ICACC Conference in Kerela sept 2016 published in Procedia Computer Science 2016, Elsevier 14 N NQR spectrometer for Explosive detection: A Review, ICACDOT pune in Sept 2016, published in IEEE xplore.
- Mr. Senthilkumar won QCI-DL Shah Award Mahaurja for Excellence in November 2016 for Energy conservation & he is also working as Technical advisor on a solar project for reducing electricity cost in Nerul campus.
- Dr. Atul Kemkar, HOD of EXTC Department attended two days National

Level work shop on accreditation and outcome based education -2016 held at Terna college of Engineering.

- EXTC Department submitted a proposal to AICTE on "To Develop Research Lab of Internet of Things (IOT)" under Modernization & Removal of Obsolescence
- 12 faculty members of EXTC Department attended Central Training-Interactive Program on health management conducted by Dr Mini Namapootri at SIES college of Management Studies on June 22, 2016.
- EXTC department organized one day Faculty Development Program on "Patent Drafting & Quizzzy Software" on 6th Jan'2017, speaker was Dr.Jonathon Joshi and was attended by more than 30 faculty members.
- Computer Engineering department organized a Faculty Development Program on Latex on 6th Jan 2017 by Dr.Sanjay Shitole, HOD/IT, SNTD, Mumbai and more than 70 faculty members have attended the same.
- Computer Engineering department organized 5 days ISTE Approved STTP on "Mobile Communication and Android Programming" conducted by MR.Atul Jadhav, Information Security Manager, 9th Legend, from 27th June to 1st July, 2016 and more than 20 faculty members have attended the same.
- Industrial Visit and Workshop to Avery Denison, Bangalore for the Printing & Packaging Technology students and the faculty members Mr.Gaurav Fasate, Mr. Avinash Kr Singh & Ms.Rashmi Bhat accompanied the students on June 16-18, 2016.
- PPT Students got trained and certified in Lean Six Sigma Green Belt during the two days and Lean Manufacturing Workshop conducted on September 17- 18, 2016.
- PPT Students attended ISO 9001:2015 Internal Auditor Training convened

by PPT Department on 18th and 22nd Oct,2016

- Workshop on Leadership for T.E PPT students conducted by Mr. Dalbir Viridi on Feb 4, 2017
- PPT department faculties attended Plastvision'17- an International exhibition to equip themselves with globally advancing technologies and trends in Plastic Packaging Industry.
- Dr. Manasi Karkare, of First year Engineering scored Rank I at all India level in the course "Fundamentals of Optical and Scanning Electron Microscopy" by NPTEL and Attended two weeks ISTE STTP on "Pedagogy for effective use of ICT in engineering education" by IIT Bombay from 5th to 31st January 2015.
- Dr. Manasi Karkare, Prof. Ashwin Chavan, Dr. Kanthimathi, Dr. Snehal Kargirwar of First year Engineering attended two months online course on "Educational Technology for Engineering Teachers" conducted by IIT Bombay during Jan-Mar 2016
- Prof. Vijaya Patil, Prof. Ashwin Chavan, Prof. Mahesh Biradar, Prof. Ganesh Dhamal of First year Engineering attended two months Online course on "Basic 3 D Animation using Blender" conducted by IIT Bombay during Jan-Mar 2016

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### TEDxSIESGST 21 Jan 2017

For the first time the college organized this event, affiliated with the International TED talks community. The theme of TEDxSIESGST was 'seeding wisdom'. The session topics ranged from psychology to religion and technology. Some of the eminent speakers during the session were Raul Rodriguez, Criminal Intelligence Officer and Interpol, Dhaval Bathia, Lead Trainer at Genesis Education, Meena Barot, Triathlete and Cyclist.



polymers. Mindspark, another quiz, tested the coding and aptitude skills specifically. For the orators and literature enthusiasts, carefully orchestrated events like mock parliament and spell bee were organized. Students with the zest for business tried their luck with b-plan, a platform to showcase business ideas and a panel discussion with founders and managers of established start-ups to put all their doubts at ease. Cognition'16 made the young budding engineers realize that technology can be perceived as much more than just a monotonous chore - it can be fun.

### Cognition'2017

Cognition, a national level technical festival, displayed a perfect blend of glam and technology this year. It provided an ideal platform for students to sharpen their technical skills in a fun filled way. All this was experienced by the Augmented Reality (AR) and Virtual Reality (VR) technology induced events like space room , haunted house , angry birdz and dragonrush. Some of these events were in the form of games, like laser tag, lan gaming (games like NFS, FIFA, CS, DOTA), air hockey, mini militia. Fabulous gave the feel of a casino with virtual auction, which allowed the participants to enjoy auctioning in a very different way. To tickle the students' grey cells a plethora of quizzes were organized - Two national level quizzes, Matrix to test knowledge on physics, chemistry, mathematics and general awareness, and p-pack to test students' knowledge on

### Tatva Moksh Lakshya 2017

SIES Graduate School of Technology organized its annual inter collegiate technical and cultural festival on March 2, 3 and 4, 2017. The sports festival, Lakshya, was held between January 26th and February 26th, 2017. This year, Tatva Moksh Lakshya was organized on a grand scale and over 30 days of festivities made for a really memorable affair.

On March 2 , the honorable dignitaries at the inauguration ceremony, Mr. Munir Sayyad-General manager Reliance Jio, and Mr. S V Vishwanathan – Jt Honorary secretary of SIES, flagged off the festival with their inspiring presence and thought provoking words. This brought about an unprecedented vitality which was sustained over the next 3 days as students participated with great enthusiasm in a plethora of technical and



cultural events. The theme for this year's festival was 'Television' and the college was decorated with life size figures, posters and 3D replicas of many fictional characters of Television.

A total of about 30 events took place which were collectively organized by the different student chapters of the college. The national level events, Techxter-Technical paper presentation, Innovations-Project competition, Bizence –the business plan competition saw an overwhelming response taking the event one level higher. The impressions-17 was organized by printing and packaging department on Mar 3 and 4 to celebrate the world printers day. This year, it was a two day event with print related debates, conference and exhibition.

A special mention must go to the



organizers of our curtain-raiser 'Dream run' which was a 6km marathon organized for supporting the differently abled Indian soldiers through association with the Queen Mary Technical Institute, Pune. More than 200 people participated in it and an amount



of about Rs.2.5 lakh was collected. Two more flagship events were organized this year, the Tedx SIES GST and Bytecamp-a hackathon event supported by our alumni which were star attractions this year. The sports festival did manage to get some serious adrenaline-rush with the Cage Football event that SIES GST introduced in Navi Mumbai. Inter Cricket Tournament which was a month long affair, saw a record participation of 32 teams and became the biggest inter college tournament in Mumbai. This was followed by the '11on11' football tournament played on Nerul Gymkhana and Badminton at YMCA, Belapur. Intra college kabaddi was organized for the first time this year also saw an overwhelming response.

The cultural events like Singing, Karaoke, Solo Dance, Group Dance, B Buoying, Fashion Show and the amateur rock band competition, 'Am-Rock' were hugely successful. The GST Gazette, college's official newsletter was also launched through this platform. A special mention to the technical team who made the spider cam moving vertically and horizontally in the college quadrangle enabled us to capture all the events well. The literary club event, MUNA (Model United Nations Assembly) and Moksh film festival were the few of the highlights this year.

The Fashion Show titled 'ENVY' which was held on first day was graced by eminent celebrities..Beat Struck and EDM night, were two magnificent group dance and DJ events with an international DJ that adorned the two evenings. Throughout the festival, it was satisfying to see a record number of participants. Finally the three day extravaganza culminated with a celebration that matched the hard work and toil that was put in to organize it.

## Co-Curricular Activities

### NSS

#### Yoga sessions

Two days of Yoga practice sessions were held for the students and faculties in the classrooms on 19th and 20th of June 2016. More than 30 people attended the session.



#### International Yoga Day

NSS Volunteers of SIES GST also celebrated the International Yoga Day on 21st June 2016 at the University of Mumbai, Kalina.

#### Independence Day

All volunteers actively participated in the Independence Day (15th August 2016) celebrations by performing musical skits on the theme 'ARE WE REALLY FREE?' and also did the creative artwork for the occasion. Col. Sashidharan(Retd.) was the chief guest for the occasion and we had an interactive session with him.

#### Random Act Of Kindness

The Volunteers moved around in Nerul and helped random people and shared a joy of happiness with them by helping the workers or by having a chat with them.

#### Waste Management (Compost Pits)

Maintaining the 5 compost pits and compost filtering are regular activities of the NSS unit. 30kgs of compost were filtered on 26th August 2016 and sold to the faculties and students since then.

#### Swachh Bharat Abhiyan

The volunteers actively participated in the cleaning of the areas in Shiravne village



as a part of the Swachh Bharat Abhiyan initiative. The activity was carried out under the guidance of NMMC Officers.

#### Tree Plantation Drive

The TREE PLANTATION DRIVE was carried out on 16th September 2016 near the Chinchokli talav in Nerul, Navi Mumbai. Around 40 Saplings were planted by the NSS Volunteers, sapling like badam, mango, nimbu, ashoka, etc.

#### Save Electricity Project

The NSS Volunteers created awareness of save electricity. The volunteers themselves, at personal level started saving electricity and made a comparison between their previous bill and the current. Many units of electricity was saved.

### **NSS Week**

The NSS week was celebrated between 24th September and 30th September 2016, where all the volunteers performed street plays in the college Canteen area on issues such as road safety, save electricity, superstitions, women empowerment, etc.

### **Blood Donation**

The Blood Donation Drive in association with Sion Hospital, conducted on 30th September 2016 in the college Physics Lab, collected a total of 250 units of blood.

### **Bhajan Sandhya**

Volunteers also attended the Bhajan Sandhya on 2nd October 2016 at the Gateway of India, celebrating Gandhi Jayanti.

### **NSS Residential camp**

It was conducted between 31st December 2016 to 6th January 2017 in Bursunge village, Murbad, Thane. 11 soak pits were built along with a Bandhara (dam). A seminar on 'Social service' and various personality development sessions were organized and we also created awareness about Women menstrual cycle, Swatch Bharat Abhiyaan, Women empowerment and higher education, etc. We also had an interactive session with village school kids.

### **National Youth day**

A poem was recited on this occasion by the NSS Volunteers on 'The role Of Youth in the Present World'. Poster were also made by the volunteers and displayed on the college notice board. A seminar was conducted by Dr. Sumit Shinde on 'Youth empowerment' for the NSS Volunteers.

### **Republic Day Celebration**

All volunteers actively participated in the Republic Day (26th January) which included musical skits on the theme 'Pillars Of India'. Students from National Institute For Mentally Handicapped were invited for the celebration and an interactive session with them was organized.

### **National Voter's Day**

An Oath of 'Voting Every Election' was taken

by the NSS Volunteers in the GST Quadrangle in front of all the students.

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### **Women's Development cell activities**

'Health Check up Camp on Quantum Bio Electric Whole Body Analysis' Conducted on July, 29th and 30th 2016 from 10.00 a.m. to 5.00 p.m. by Dr. Firoz Sarang, Dr. Nuzhat Sarang working as consultant family physician Second Opinion Advisor for Treatment of Rarely Treated Disease in A to Z Polyclinic & Diagnostic Center.

Ms. Swati Masurkar, Social worker actively involved in the camp. 41 tests including blood sugar, bone disease, liver function, kidney function etc were conducted during the camp using Quantum Magnetic Health Analyzer. Dr. Sarang had guided the faculty members by observing the reports generated by the analyzer. Around 60 faculty members participated in the camp. All participants appreciated and gained useful insights about health from the camp.

- International Women's Day was celebrated on 8th March 2016 by the faculty and the students.
- The major initiative taken by CWDC of SIESGST is Sanitary Napkin Vending Machine which is installed in the ground floor girls' washroom. The machine is used for vending Sanitary Napkins by using a smart card. It provides immediate access to napkins to meet emergencies.
- Seminar on 'Organ donation' by Ms. Meera Suresh was conducted on 4th Feb 2017.

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### **Library**

- During the Year 2016-17, 1748 Books to Central Library & 65 books to Departmental libraries were added. The library currently subscribes to 7002 e-resources of AICTE suggested packages like IEEE-ASPP, Science Direct, Springer

link, McGraw Hill, J-Gate, ASTM Digital Library etc. In addition to e-resources, library subscribes to 48 national journals, 231+ e-books and 6 English and 2 Marathi newspapers.

- Readers can directly access all the e-resources throughout the GST campus and highest numbers of hits were recorded in Science Direct, ASME & IEEE during 2016.
- The library has set up Dspace institutional repository and users can access the contents of project reports, internal question papers of FE & journal articles published by various faculty.
- Book exhibition was conducted to create awareness and encourage the users in which 79 titles and 102 volumes in various disciplines of engineering were selected.

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### Training & Placement Activities 2015-16

- The Training and Placement Cell, organized Pre-placement Campus Recruitment Training (CRT) for BE 2016-2017 from 01<sup>st</sup> July to 09<sup>th</sup> July 2016. The training program was conducted by Professional experts from IMS. The sessions comprised of extensive training for Aptitude Test- Quantitative, verbal & logical reasoning. Students were trained in other essential aspects of campus recruitment, such as, strategies for Personal interviews and Group Discussions. Students practised GD & PI through Mock Sessions conducted by the experts from Industry as a part of CRT.
- Tata Consultancy Services conducted Pre-Placement Orientation and a seminar on Recent Industry Trends on 14 September 2016.
- Higher studies aspirants attended information sessions on Preparation for GRE by KIC on 31 August 2016.

- Placements for 2016-2017 batch of Engineering at SIES Graduate School of Technology started in August 2016, with some of the most reputed organizations visiting the campus for recruitment. Students were provided excellent career opportunities by the top recruiters from the industry such as, Media.net-Directi, TCS, Capgemini, L&T Infotech, Tech Mahindra, , Zycus, Convonix, Xoriant Solutions, Ingrammicro, , GEP, Majesco, Reliance Industries, Reliance Jio etc. Total 21 companies conducted the drive and 60% of eligible students from EXTC, CE & IT got placed through the campus recruitments. BE Mechanical Students appeared for in-campus & off-campus drives by TCS, Tech Mahindra, Convonix, Zycus & Sanmar. 11 eligible students, from BE- Mechanical received offers, so far. All students of BE PPT joined various organizations as interns in January, as a part of their curriculum. Quintiles IMS visited Campus for Bio-Technology and selected one ,student for the final placement.

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### Alumni Activities

Reconnect, the prestigious annual alumni meet of SIES GST was held on the 7th of January 2017. Like every year, this year too, the campus witnessed an outpour of enthusiastic ex-students from all the batches since 2006 till 2016. A Kaleidoscope of emotions of joy, reminiscence and a lot of excitement pervaded the atmosphere. The event was thus marked by both a walk down the memory lane and a vision for the future.

Dr. Vikram S. Patil  
Principal

Dated: 8.7.2017

# SIES GRADUATE SCHOOL OF TECHNOLOGY



The SIES Graduate School of Technology has come of age with its twelfth batch passing out this year. It has made a mark in the field of technical education as one of the best Engineering colleges in Mumbai and Navi Mumbai. GST students excelled in all fields and made their presence felt in a big way at the University, State and National levels.

## ACADEMIC ACHIEVEMENTS

Shri. Kalpesh Sontakke, from Mechanical Engg. Department secured the First Rank at All India level at examination conducted by NPTEL on Introduction to Airplane performance.

**Collaboration/Memorandum of Understanding**



- Electronics & Telecommunication Engineering Department signed an MoU with IoTPRO, Bangalore on 29.07.2017 and Teleman Institute of wireless Technologies Pvt. Ltd., Thane on 30.10.2017.
- Computer Engineering Department signed an MOU with 9th Legend Inc. from April 2017 for 2 years and Tele-Networks Technologies Pvt. Ltd. from February 2018.
- Information Technology Department signed an MoU with Microsoft ATS Infotech Pvt. Ltd Feb, 2017.
- Department of Information Technology signed an MoU with MIoTPro f on 29/07/2017.
- Department of Mechanical Engg. signed an MoU with Perpetual Gravity Labs pvt Ltd., Sector-1, Sanpada, Navi Mumbai on 05.08.2017.
- Department of Mechanical Engg signed an MoU with Indian Biodisel corporation, Baramati, Pune on 16.08.2017.
- An MoU was signed with Mercury Industries Limited in September 2017 for Industry-Academia collaboration under which 4 months internships have been granted to two students at their Ankleshwar Plant.
- A MoU was signed with Printweek India Magazine in September 2017 for industry academia collaboration under which 5 students were taken for internships

- ESKO Graphics MoU was signed for the period between 17<sup>th</sup> Dec, 2016 to 16<sup>th</sup> Dec, 2017 for granting additional Softwares and licences for Artios CAD, Desktop, Cape Pack, Studio Visualizer and Plato.

## INSTITUTIONAL SOCIAL RESPONSIBILITY (ISR) - BEACON

The third batch commenced on August 10, 2017. Along with the previous six trades, a new trade on screen printing was introduced in this batch. A total of around 39 students took admission and are on roll till date; Electrician - 24 , Welding & Metal Turning - 9, Computer Operator - 28, Mobile and Laptop Repairing - 14 , and Sewing & Tailoring - 24, Screen Printing-1.

Keeping in mind the feedback from the first batch, more focus was given to practical aspects and hands-on sessions.

The certificates of completion were issued to the students and toolkits were also given to the students.

### Initiatives

1. One week training sessions for Grade ME skill assessment test. Four students cleared First round of core placement drive.
2. Printing & Packaging Tech. Department organised the third edition of the highly successful "P Pack" – National Level Technical Quiz on Plastics in Packaging on Sept 15, 2017, which saw teams participating from Mumbai, Chennai, Ahmedabad, Pune and Roorkee.
3. Print week India hosted its Flagship Jury Week for the Print week India Awards in SIESGST between 18<sup>th</sup> September, 2017 to 21<sup>st</sup> September, 2017 where top print buyers, brand managers and print technologists assembled to judge 1000+ samples from all over India.
4. A consultancy project was taken up with "Mercury Industries Ltd., Ankleshwar", from

September 2017 for a period of 1 year by Prof. Prasad B. Iyer and Prof. Subramanian S. R. Currently Prof. Gaurav Fasate is part of the project in place of Prof. Subramanian S. R.

## SPORTS ACHIEVEMENT

1. Shri. Ajit Kumar, student of Third Year Computer Engineering secured silver medal in athletics competition held at K J Somaiya, Mumbai and VJTI Mumbai. Also won first prize in Arm Wrestling at the Technical fest "Coginition' 17" held at SIESGST, Nerul.
2. The basket ball team under captain Kumaran student of Third Year Computer Engg. won the first prize in men's basket ball tournament held at Intercollegiate Event "Alageria " organised by Pillai Institute of Technology, Panvel .
3. Kavya V, student Third year Computer Engineering won the 2nd prize in Throw ball, during the Sports Meet "Lakshaya'2018 held at SIESGST, Nerul.
4. Shri. Aditya Patil, Rajat Mahadik, Zahid Waghu students of Mechanical Engineering Department won bronze medal in relay at national level athletics competition held at VJTI Mumbai on 11th December 2017 and got 4th position in relay at National Level Athletics competition held at K J Somaiya College of Engineering, VidyaVihar Mumbai on 11<sup>th</sup> December 2017.
5. The cricket team under captain Shri. Aditya Patil, student of Final year Mechanical Engg. finished as runners up in the inter college season ball cricket tournament, organised by SIES GST at Cross Maidan ,CST on Feb 1, 2018 ,and Intercollegiate tournament at SPIT on February 12, 2018.
6. Shri. Yasin Ansari, student of Second Year Engg. Information technology won the Bronze Medal in Mumbai University TAEKWONDO completion (74 to 80 Kgs category)
- Engineering EXTC Department won FIRST prize in MonoAct competition at University Level "Swachhta Hi Seva".
2. Shri. Shardul Rane, student of Second Year Engineering EXTC department won zonal level debate competition & zonal level drama competition.
3. Ms. Aakansha Pradhan student of Third Year Computer Engineering Department stood 1<sup>st</sup> in Debate competition in 50<sup>th</sup> intercollegiate youth festival.
4. Ms. Pratiksha P student of Third Year Computer Engineering Department stood 1<sup>st</sup> in District level Debate competition conducted by University of Mumbai..
5. Ms. Reethika Renganatham of Second Year Engg. Information Technology Dept. won 3rd Prize at Zonal level Singing Competition.
6. The fashion show group secured 1st Prize in Fashion Show, held at KC College, Mumbai and secured second prize at Lokmanya Tilak College of Engg., Navi Mumbai.
7. Shri. Samyak Bhat of Final year Information Technology secured 2nd place in classical instrumental (Nonpercussion instrument) at University competition(Youth festival).
8. Shri. Mudassir Suhail from Mechanical Fifth semester attended the National Integration Camp, Gujarat, Ahmedabad in the month of September 2017.
9. Ms.Shrushti Patil (Second year Engineering), Shri.Tejal J (Third Year Engg), Ms.Shraddha K(Third year Engg.), Pavanraj T (Third Year Engg.) students of PPT Dept. won 1st Position in One act Play Hindi Zonal Round in University of Mumbai Competition.
10. Ms.Yashashree Patil from T.E PPT won 3rd position in Collage making, Zonal Round in University of Mumbai Competition.
11. Shri. Niraj Kori and Shri. Pavan Kulkarni from T.E PPT won 1st Position in One act Play Marathi Zonal Round in University of Mumbai Competition.

## CULTURAL ACHIEVEMENT

1. Ms. Vibha Rawan, student of Second year



## DOCTORAL DEGREES

Ms. Leena Ladge, faculty of Information Technology Dept. and Ms. Masooda Modak, faculty of Computer Engineering Department have been enrolled for Ph.D. during 2017-18.

### Seminars/Workshops organised by Faculty of GST

1. Three days Hands on Training on FPGA Design using VHDL from December 20-22, 2017, by Prof. Preeti H, Prof. Preetee K. , Prof. Pranavi M, Prof. Sonal J. of EXTC Department.
2. Three days Hands on Training on Embedded system from December 20-22, 2017, by Prof. Pushkar Sathe of EXTC Department.
3. Three days workshop on Arduino based Embedded system design & introduction to IOT from December 26-28, 2017, by Prof. Vishal Gaikwad. of EXTC Department.
4. Three days workshop on C & C++ from December 26-28, 2017, by Shri. Vivek Ramakrishnan of EXTC department.
5. A Short Term Training Program on FPGA design using VHDL from 7-12 July 2017 by the EXTC Department.
6. A Short Term Training Program on Machine Learning, Python and data analytics from 1st January to 6th January 2018 by EXTC, Computer Engg. and Information Tech. Department.
7. Computer Engineering Department conducted AICTE-ISTE Approved 6 days STTP on "Cyber security and digital forensics", from 03/07/2017 to 07/07/2017.
8. Ms. Pranita Mahajan, Faculty Computer Engg. department organised a 2 days workshop on "SSP on Introduction to Machine Learning", under IIT Remote Center on 16<sup>th</sup> and 17<sup>th</sup> Dec 2017.
9. Conducted 3 days workshop between 3rd February. and 3rd March 2018, for TE and BE EXTC students on Antenna Design using IE3D at SIES-GST, Nerul.
10. Shri. Dilip Balasubramanian, WeCan Educate, conducted a workshop on "Image Processing using Python" 4th Sep to 14th sep 2017. 9 students participated.
11. Ms. Mrinal Khadse & Ms. Varsha Mali and Ms. Leena Ladge as convener Organised AICTE-ISTE approved Short Term Training Program on "Data Analytics with R Programming" 03-07, July 2017.
12. A Faculty Development Program on Challenges in Cloud Computing Application by Shri. Manoj Kulkarni, Mensa Consulting Services Pvt. Ltd. on 29th Nov 2017 was organised by IT Department for the faculty members.
13. Ms. Mrinal Khadse, Ms. Seema Redekar & Shri. Amit Conducted Students Developing Program on "Advanced Java" 18 - 23





December 2017 for Third year Engineering IT/CE/EXTC students.

14. Ms. Stephy Benny and Ms. Savita Lohiya conducted Latex Workshop for Final year Engineering students on 08, Sept 2017.
15. A Student Development Program was organised for third year and fourth year Mechanical Students on '4 stroke IC Engine' by Shri. Sachin Pathak from Warstila Ltd. on January 30, 2018.
16. A Student Development Program was organised for final year Mechanical Students on 'Project Selection' by Shri. Prakash Garud an Industrial consultant on October 07, 2017.
17. A ISTE/AICTE approved Short Term Training Program in association with SMC Pneumatics Ltd. was organised for all Mechanical faculties on 'Mechatronics and Industrial Automation', for One week from 1-5 Jan 2018.
18. Mechanical Engg. Department organised Training on Ansys finite element analysis

software for total of 30 hours duration.

19. Student Development Program was conducted by Dr. Sandesh Ramteke of PPT dept. on Technical paper writing on 9<sup>th</sup> October, 2017 for Third year PPT students.
20. Seminar on Benefits of Lean Six Sigma by XLNC Academy was conducted for all PPT Department students on 13<sup>th</sup> October, 2017.
21. ISO 9001:2008 Internal Quality Auditor Training was conducted for Third and Final Year Engineering PPT students on 23<sup>rd</sup> and 24<sup>th</sup> October, 2017.
22. Seminar on "Solar Cell" was organised for First year Engg. students on Oct 3, 2017 by the faculty Shri. Senthil Kumar of EXTC Department.

### **TEDXSIESGST Held On Jan 27, 2018**

A TEDx event was organised in the college on 27<sup>th</sup> January 2017. The theme of TEDxSIESGST was 'Transcending Limits'. The event was conducted in the GST auditorium. The speakers were Dr

Kannan Khatau Chikkal, Gaurang Shetty, Prasad Rahane, Anita Shirodkar, Yash Patnik, Shubhaankar Kamble, Santosh Avannavar and Amruta Pendse.

## COGNITION '2017

Cognition, a National Level Technical Festival was organised on 15-16 September, 2017. It is an ideal platform for students to sharpen their technical skills in a fun filled way. This year the theme was arcade focusing on the games that were played during 1970's.

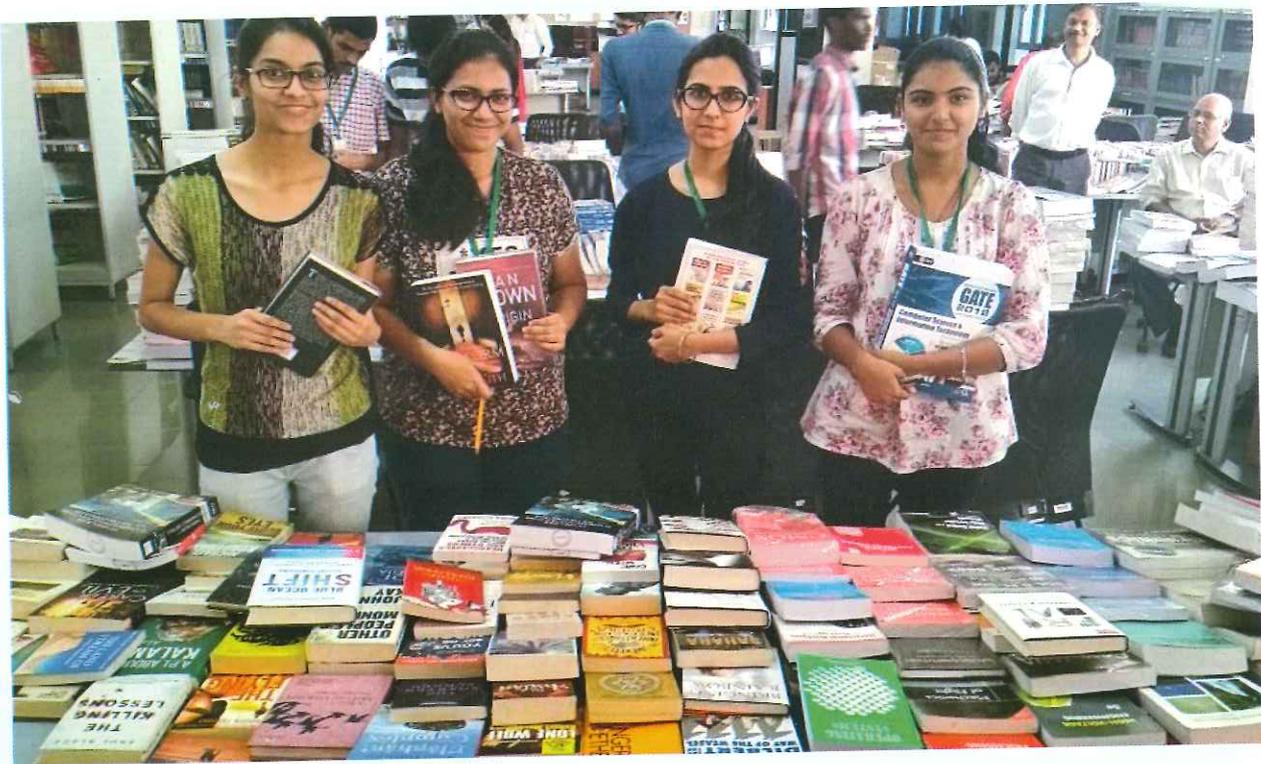
The fest began on 15<sup>th</sup> i.e. on Engineers Day with the inauguration ceremony. The Dy. Inspector General of Police Shri.V.V.Lakshminarayan was the Chief Guest for this occasion.

There were many fun filled events that were made by the TechTeam such as bomberman, tanks ddr, lasertag, webgames, retro archade, techrace and lan gaming (games like NFS, FIFA and DOTA2). Four events were organised by the cultural team Pacman, Tactical X/O, JAM (just a minute consisting of four sub events such as buzz, snakes and ladders, tap the balloon and dizzy route). The Entrepreneurship Development Cell of the college conducted some events such as IPL Auction, mergers and acquisition, KBC to help the participants develop their entrepreneurship development skills. Dream Job helped the students to understand the entire process of getting a job starting from aptitude tests till interviews. There were events to tickle the students grey cells. There were a plethora of quizzes- there were four national level quiz competitions such as Matrix (tested students knowledge on physics, chemistry and maths was organised basically for the first years), Mindspark, Techtroopers (a quiz consisting of puzzles) to test the technical skills of the students and also inquisitive. For orators and literature enthusiasts carefully orchestrated events such as Mock parliament, Spell bee, Being unscripted, Psychand, the literati was organised. There were events to test the students on logical understanding through the events such as web-

master and coding competition. There were national events such as squabble and circuit maniacs which were made for debating and testing a students ability of making circuits by just giving them simple problem statements. Also, the SAE students chapter of the college organised Auto Quiz and Design Wars.

## CO-CURRICULAR ACTIVITIES

- **NSS : Yoga day held on 21.06.17** The NSS volunteers conducted a two day yoga workshop on June 20-21, 2017 on the occasion of International Yoga Day. Shri. Aashim Samarth, Mrs. Deepika Samarth from the Vyana yoga centre and Mrs. Rinki Bhosale were the instructors who guided all the attendees of the programme.
- **Tree Plantation held Shantivan Ashram, Panvel on 15.07.2017** The NSS volunteers took part in a tree plantation drive on 15.07.2017 at Shantivan Ashram, Panvel.
- **Orientation for New Batch of NSS for the year 2017-18 held on 28.07.2017** The NSS orientation programme for the Second Year students was conducted on 28th July 2017.
- **Cleanliness Drive held on 05.08.2017** The NSS unit conducted a cleanliness drive on 5th August 2017 to mark the occasion of Swachh Bharat Abhiyan the college campus as well as in the nearby village area.
- **Activity by Blue Ribbon Movement held on 09.09.2017** A seminar was conducted for all the NSS volunteers by the members of community connect fellowship (CCF) named Blue Ribbon on 9th September 2017. There were other activities like games based on topics of team work, social awareness etc. This was followed by discussion on the learning's and lessons learnt from the game.
- **Compost Filtering: 09/09/17** The NSS volunteers were responsible for the inauguration and the maintenance of the Compost pit in the college. From time to time the compost needs



to be processed to be sold in the markets. This was done on 9th September 2017.

- **Blood Donation drive held on 27.9.2017** The NSS unit, Nerul successfully organised a Blood Donation Drive in GST Campus in association with Lion's Club of Millennium, Mumbai and Sion Hospital, Mumbai on 29th September 2017. 76 units of Blood were collected.
- **NSS Activity: Street Play (Day 1 held on 25.09.17** On the 25th of September 2017, two street plays were conducted by the volunteers of the NSS unit. The first street play's topic was pseudo-feminism. **(Day 2)** There were four street plays conducted on 25-28 September 2017 to cover important issues of the modern society viz. pseudo-feminism, Misuse of Media, Starvation, social issues covered by the plays were dignity of labour, ragging and drug abuse spread. The second act consisted of "starvation", how we waste food knowingly and unknowingly.
- **Mission Indradhanush held on 15.10.2017** NSS unit conducted Indradhanush, an initiative by the Government to spread

awareness about the need for vaccination among children aged 5 months to 16 years on 15th October 2017.

63 NSS students were part of this initiative when they went to the adopted village shiravne to spreading awareness on vaccination.

- **Master Trainer Workshop under SAGY, workshop on PKKVY-TI , Pune : 19.01.2018** NSS Volunteers attended a seminar conducted by All India Council for Technical Education in Pune . The speaker imparted knowledge about PMKV Yojna, SAGY canvas initiative and new AICTE website. AICTE has a start up policy which every university should adopt.
- **NSS - 7 Day Special Residential Camp** The seven days special residential camp was conducted from January 2<sup>nd</sup> to January 8<sup>th</sup> 2018 at Veluk village in Murbad, Taluka, Thane district. 98 NSS volunteers were part of this camp, supported by the organising team, the PO's Prof. Mahesh Biradar and Prof. Ram Bhise, the college faculty and college Principal Dr. Vikram Patil.

The volunteers successfully dug 11



soak pits, painted the school walls, spread awareness through street plays, interacted with the local children, and built 2 dams.

The topics covered under street plays were, Swacch Bharat Abhiyan, Drug Addiction, Leprosy Awareness, Care of Pregnant Women, Saving Girl Child, Alcohol Addiction and its dark sides, Higher Education through Scholarship, Family Planning, Save Electricity, Water Conservation. The villagers appreciated the efforts put in by the NSS Unit.

## WOMEN'S DEVELOPMENT CELL ACTIVITIES

Seminar on "Legal Formalities and Laws related to girls" was conducted on 4<sup>th</sup> October 2017 at SIESGST auditorium by Mrs. Smita Jadhav Bhapkar, Senior Police Inspector, NRI police Station, Nerul.

## LIBRARY

During the Year 2017-18, the library procured 1751 books to fulfill the teaching, learning and research requirements of students and faculty members. The library currently subscribes to 1223+ online journals from packages like IEEE-ASPP, Science Direct, ASME Digital Library, J-Gate etc. In addition to e-journals, library subscribes to 48 journals in print, Pearson & World E-books Library's 41 lakh+ e-books and 6 English and 2 Marathi newspapers.



Readers can directly access all the e-resources throughout the GST campus and highest numbers of hits were recorded in IEEE – ASPP, Science Direct during 2017.

The library has designed a site using open source technologies and the same can be accessed at: <http://librarygst.wixsite.com/library>

Awareness session was conducted on 12<sup>th</sup> January, 2018 on IEEE – ASPP e-journals and 25+ faculty members participated in it.

Book exhibition was conducted on 30<sup>th</sup> January, 2018 to create awareness and encourage the users in which around 200 titles were selected in various branches of engineering including general and competitive examination books.

## TRAINING & PLACEMENT ACTIVITIES

- The Training and Placement Cell, organised Pre-placement Campus Recruitment Training (CRT) for BE 2017-18 from 03 July to 10 July 2017. The training program was conducted by Professional experts from IMS. The sessions comprised of extensive training for Aptitude Test- Quantitative, verbal & logical reasoning. Students were trained in other essential aspects of campus recruitment, such as, strategies for Personal interviews and Group Discussions. Students went through Mock Group Discussion & Personal Interview during

the training Sessions, conducted by the experts from Industry.

- Pre-placement Aptitude for BE and Mock Aptitude tests were scheduled for the final year and third year Engineering students on 18<sup>th</sup> & 20<sup>th</sup> July 2017.
- 114 students appeared for Employability Assessment through Aspiring Minds Computer Adaptive Test (AMCAT) on 29<sup>th</sup> July 2017.
- The final year engineering students attended two days Life skills training by Barclays on 16<sup>th</sup> and 17<sup>th</sup> August 2017.

## PLACEMENT

Placements for 2017-18 batch started in August 2017, with some of the most reputed organisations visiting the campus for recruitment. Students were provided excellent career opportunities by the top recruiters from the industry such as, Media.net, TCS, Reliance Industries, L&T Infotech, Sanmar Group, Zycus, Convonix, Xoriant Solutions, IngramMicro, NewGen Software, GEP, Majesco, Systemax, etc. 14 companies conducted campus recruitment and 84 students from EXTC, CE, IT & Mechanical received the final offer. The Placement Cell organised a pooled Campus Drive for Multiplier Solutions, Hyderabad on 11<sup>th</sup> January 2018 for EXTC, CE, IT & Mechanical Engineering. 300 students from 8 colleges participated in the drive. All students of BE PPT joined various organisations as interns in January 2018, as a part of PPT curriculum. Tetrapak visited the campus on 2<sup>nd</sup> February 2018 for Campus Recruitment of BE PPT- Fresher & Alumni.

## INDUSTRIAL VISIT REPORT

“The only source of knowledge is Experience”, quoted by Albert Einstein, connotes the importance of experience and practical understanding of the formularised concepts learnt. To cater to the creative and the ingenious minds of the students and to make them cognisant with the practical side of the course work, a visit to the industries

in Jaipur was organised between December 26-31, 2017. For every branch, an industry visit related to their core subjects was systematised. The students not only experienced clarity on the concepts learnt in the class, but also on how those concepts were put into action.

The companies visited were:

1. CompuCom software Limited'
2. Bosch'
3. Harsh packaging industry'
4. Universal Auto foundry Limited
5. Uttam Electricals Limited'

## EXTC DEPARTMENT

Faculty Department Program for the EXTC and IT Department Faculty was conducted on 17.02.2018 on “Wireless Sensor Network and IOT by Dr.Y.S.Rao, Vice-Principal of Sardar Patel Institute of Technology .

## STUDENT COUNCIL

### TATVA MOKSH LAKSHYA 2018 - Annual Cultural Festival'2018

SIES Graduate School of Technology organised its annual inter collegiate technical and cultural festival (TML) on March 9, 10 and 11, 2018. The sports festival, Lakshya, was held between January 13<sup>th</sup> and March 17<sup>th</sup>, 2018. This year, Tatva Moksh Lakshya was organised on a grand scale and over 30 days of festivities marked a new beginning.

Ms. Prajakta Lavangare Verma(IAS) Joint Managing Director of CIDCO Limited, and Shri. Rajesh Desai, the Director and CEO of Lyra Network India, flagged off the festival on 9.3.2018. The theme for this year's festival was 'Utopia' and the college was decorated with life size figures, posters and 3D replicas of many fictional and imaginary characters. A total of about 50 events took place which were collectively organised by the different student chapters of the college. The national level events, Techxter-Technical paper presentation, Innovations-Project competition, Bizence –the



business plan competition saw an overwhelming response taking the event one level higher. The impressions-17 was organised by printing and packaging department on 10.3.2018 as a one day event with print related debates, conference and exhibition.

A 'Dream run' of 6 km marathon was organised for supporting AIDS affected children in association with the Desire Society, Vashi. More than 200 people participated in it and an amount of Rs.2.5 lakh was collected. Two more flagship events were organised this year, the Tedx SIES GST and Bytecamp-a hackathon event supported by our alumni which were star attractions this year. The sports festival did manage to get some serious adrenaline-rush with the Cage Football event that SIES GST introduced in Navi Mumbai. Inter Cricket Tournament which was a month long affair, saw a record participation of 32 teams and became the biggest inter college tournament in Mumbai. This was followed by the '11on11' football tournament played at Nerul Gymkhana and Badminton at YMCA, Belapur. Football auction and Cricket Auction organised for the first time this year also saw an overwhelming response.

The cultural events like Singing, Karaoke, Solo Dance, Group Dance, Fashion Show and the amateur rock band competition, 'Am-Rock' were successful. The GST Gazette, college's official newsletter was also launched through this platform. The literary club event, MUNA (Model United Nations Assembly), Cosplay and Moksh film festival were the few of the highlights this year.

The Fashion Show titled 'Equality' which was held on the first day was graced by eminent celebrities..Beat Struck and EDM night, were two magnificent group dance and DJ events with an international DJ that adorned the two evenings.

### Women's day

On the occasion of International Women's Day, Ms. Prajakta Koli - a youtuber, blogger, entertainer and youth inspiration conducted a women empowerment session based on the topic "The journey of my life on 8th March 2018. Prajakta recently took a social initiative #iPledgeToBeMe aimed at addressing body shaming. More than 150 girls along with the faculties attended this session.

## PRINTING & PACKAGING TECH. DEPARTMENT

### Impressions '2018

The Department of Printing and Packaging Technology (PPT), S.I.E.S Graduate school of Technology (SIESGST), Nerul, Navi Mumbai, celebrated the 8<sup>th</sup> edition of their Annual Fest, Impressions'18 on 10<sup>th</sup> March 2018. This festival, was part of the Annual Technical-Cultural-Sports festival of S.I.E.S graduate school of technology, Tatva Moksh Lakshya.

Impressions had a unique theme every year and this year it was Augmented Reality in the field of Printing and Packaging.

The Guest panel consisted of Shri. Ramesh L. Deshpande, Vice President, LMAI, and Shri. Sudish Sukumaran, Technical Director, Elmach Packages India Pvt. Ltd. Along with them, other Guests included Shri. Rohit Mehta from SMI Coated Papers Pvt. Ltd, Shri. Gaurav Kumar, Shri. Peter from Sona Papers and Shri. Deshpande from Garware films. This was followed by the Guests unveiling of Adviteeya, the annual magazine of the PPT Department, currently in its 5<sup>th</sup> edition.

## INFORMATION TECHNOLOGY DEPARTMENT

### Techxter 7.0

TECHXTER is a National Level Technical Paper Presentation (TPP) was held on March 1, 2018, open to all the branches of engineering and polytechnic. This event was held by the IETE students' Forum (ISF). This event tested all aspects of the students' knowledge on varied topics. It provided the participants an excellent opportunity for demonstrating technical competence and presentation skills.

## COMPUTER ENGINEERING DEPARTMENT

### Innovations'2018

The CSI Student Chapter organised a National Level Project Competition, INNOVATIONS, on

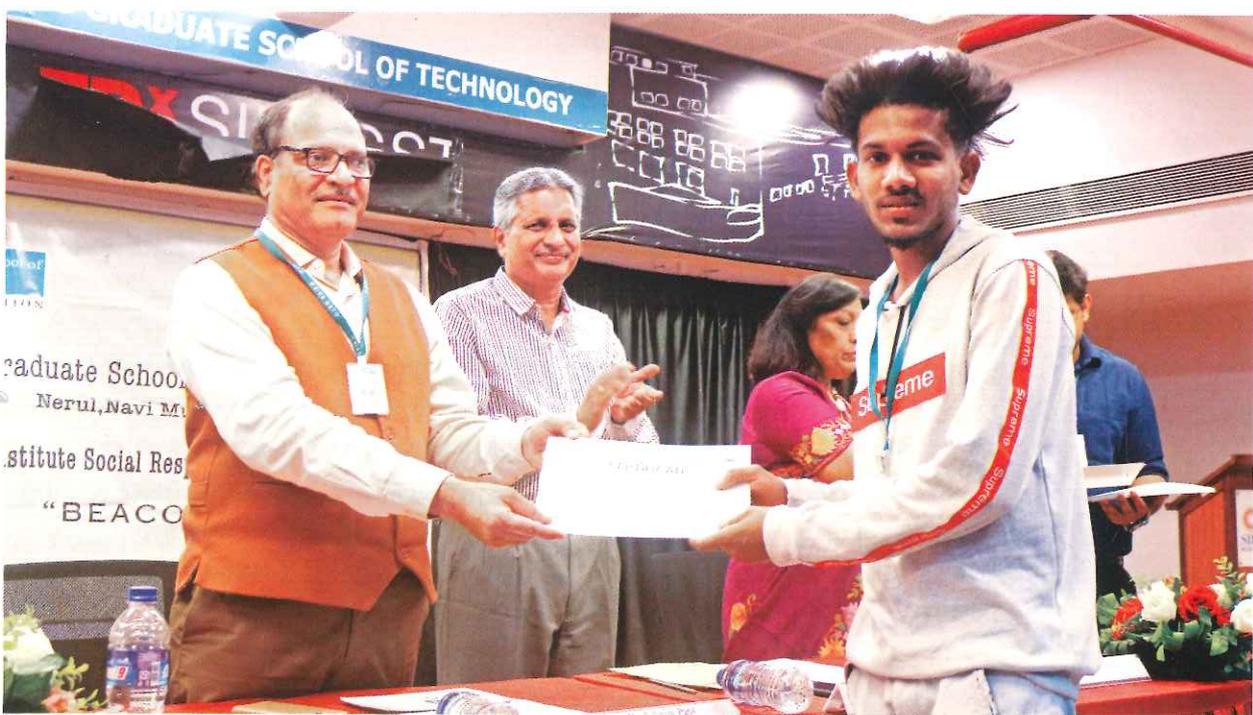
16<sup>th</sup> March, 2018. The Event was organised in association with Computer Society of India, Mumbai. Innovations served as a platform for young minds to take this window of opportunity and bring forward their innovative ideas in the form of projects.

This time the CSI council worked strategically by creating a mark of receiving 100+ abstracts, a count never seen before. The projects were from various fields such as computers, information technology, electronics, Internet of Things, Robotics, Mechanical, etc. Out of the abstracts received, 41 projects were selected for the competition

## ALUMNI ACTIVITY REPORT 2017-18

'Reconnect', the prestigious annual alumni meet of SIES GST was held on the 6<sup>th</sup> of January 2018. Like every year, this year too, the campus witnessed an outpour of enthusiastic ex- students from all the batches from 2006 till 2016. A Kaleidoscope of emotions of joy, reminiscence and a lot of excitement clouded the atmosphere.

An interactive session between few alumni and students was initiated this year and every department organised this session successfully. The initiative saw an overwhelming response and alumni shared their experience and guided them on higher studies and career options. They also shared the memories of their times in the college.



Beacon- Distribution of certificates  
on completion of the course

# SIES GRADUATE SCHOOL OF TECHNOLOGY

## About the Institute

The SIES Graduate School of Technology has come of age with its fourteenth batch passing out this year. It has made a mark in the technical education field as one of the best Engineering colleges in Mumbai and ranked second in Navi Mumbai. GST students have excelled in all fields and have made their presence felt in a big way at the University, State and National levels.

## Academic Achievements

### 1. List of University Merit Rankers of 2017-18 Examination

Rank	Name	Degree
1st	Mr.Kishor Kale	B.E. Printing & Packaging Tech.
2nd	Mr.Akshay Adale	“ “
3rd	Ms. Serrao Gwyneth	“ “

2. **Mr. Sanjeev Srinivasan**, student from 2018 PPT batch won the coveted student of the year award 2018, on November 29, 2018 conducted by Print week India Magazine at Mumbai. Mr. Sanjeev won this award after being shortlisted among 8 top students across India in the Printing & Packaging Field. This award has been won 6 times (2012, 2013, 2014, 2016, 2017 and 2018) in last 8 years by PPT students since 2011.

### **Collaboration/Memorandum of Understanding**

1. Electronics & Telecommunication Engineering Department signed an MoU with NMMC and have received a Research Grant of Rs.50,000/- for a project.
2. Computer Engineering department signed an MoU with Red Hat India Private Limited on 15 October 2018 for one year.
3. An MoU was signed with Pressman Solutions, Chennai on November 17, 2018 for Industry- Academia collaboration facilitating Industrial Visits, Hands-on training and internships to students and faculty. The MoU will also facilitate training resources for students and the industry. Currently, 6-month internship has been granted for one student.
4. ESKO Graphics, Singapore MoU signed for the period between 1st January, 2019 to 31st December, 2019 for granting latest Software's and licences for Artios CAD, Deskpack, Studio Designer and Visualizer.

### **Institutional Social Responsibility (ISR) - BEACON**

The Fourth batch commenced on August 1, 2018. A total of around 50 students took admission. Plumbing - 1, Electrician - 14, Welding & Metal Turning - 3, Computer Operator - 7, and Sewing & Tailoring - 7, Screen Printing - 3 & AC Mechanic - 9, Web designing - 6.

Keeping in mind the feedback from the first batch, more focus was given on practical aspects and hands-on sessions.

The certificates of completion were issued to the students and toolkits were also given to students.

The Fifth Batch commenced on January 17, 2019. A total of 141 students took admission in various trades. Plumbing - 09, Electrician - 35, Computer Operator - 27, and Sewing & Tailoring - 20, Screen Printing - 11 & AC Mechanic - 15, Web designing - 29.

## Initiatives

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1. The Department organised the fourth edition of the highly successful “P-Pack” – National Level Technical Quiz on Plastics in Packaging on Sept 8, 2018, which saw teams participating from Mumbai, Chennai, Madurai, Aurangabad and Jalgaon.
2. After discussions with M/s SMI Coated Products Pvt. Ltd. in June-July 2018, Mr. Ajay Mehta, Managing Director instituted a Rs. 3,00,000/- annual scholarship fund in September 2018 to be given to 12 students on need-cum-merit basis (Rs. 25,000/- each).
3. FE Orientation: Five day Orientation Program was organised for all First year students from July 30 to Aug 3, 2018, Field Trip to Shantivan Ashram Panvel, Workshop using Google Sites, Linked In and Github, a workshop on “Empowering Your Energies” was conducted by Ms. Pooja Krishna, an expert trainer from Oyster HR solutions.

## Academic/Technical achievements of students

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1. Two teams, one in software category and one in hardware category participated in SIH 2018 conducted by AICTE. Software category team secured top 8th position in it.
2. Bharat Kathuria, Aarti B, Riona Almeida and Ketan Ghotan won Super Team Award in Deep Blue Project competition conducted by Majesko.

## Sports achievement (Students)

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1. Harsh Agarwal of Second year Engineering of EXTC was among top 4 in Annual Sports & Cultural festival of TML under tug-of-war game.
2. Pratik Hegde, student of Final year Engg. of EXTC dept. won prize in Martial Arts.
3. Yasin of Third Year Engg Inf. Tech. bagged Silver Medal in Taekwondo at district level organised by Taekwondo Association held at Shri ma Vidyalyaya, Thane.
4. Rishabh Kannamvar, First year Engineering student winner of Basket ball Organised by Pillai’s group of institution & Second Prize in Hoopfest – Organised by Amity University

## Cultural Achievement (Students)

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1. Vibha Rawan, student of Third Year won 1st prize in intercollegiate folk dance competition in Pillai's COET Panvel.
2. Ritu Rao secured first Runner up position in "Miss Teen Tiara India 2018 in February 2019 and also secured first position in "Miss Teen Tiara India 2018 Beauty with Purpose in February 2019.
3. Mr. Sainiranjan Sharma of TE IT got selected for final round of District level in Western Instrument Solo.
4. Vinay Thakur (TE-PPT) secured 7th position in state-level CAD Modelling competition held at Saraswati College of Engineering. Participated in National-level GoKart Design challenge and won "Best design Aesthetics" and runner-up for "Best Innovation Award". Participated in University Level Clay Modelling and Marathi Essay writing competition in Youth Festival.
5. Rafia Taskeen (SE-PPT) won "Best Manager" award at ACEOF Mumbai organised by Pillai College of Engineering. Participated in Indian Group Song competition and English Elocution competition at University Level Youth Festival.
6. Jay Pradhan (BE-PPT) won prize in University level debate competition at Youth festival

## Doctoral Degrees

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1. Dr. Preeti Hemnani, Associate Professor from EXTC Department completed her Ph.D. in December 2018

## Seminars/Workshops organised by Faculty of GST

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1. Electronics & Telecommunication Engg. department organised a One week AICTE-ISTE approved STTP on "Neural Network and Deep Learning use Tensor Flow" from 1st Jan 2019 to 5th Jan 2019.
2. Electronics & Telecommunication Engg department organised a Faculty Development Program on a blooming field of GeoInformatics titled "Geo Informatics and related open source software" by SIES Graduate school of Technology, Nerul, Navi Mumbai and Graduate School of Engineering, OSAKA City University, Japan from 10-12 Jan'2018
3. Faculty Members of Department of EXTC, under COE IOT conducted workshop on IOT from 18/6/2018 to 22/6/2018.



*Workshop on Geo informatics with Osaka city University - 10th to 12th January 2019*

4. Dr. Preeti H, Ms.Pranavi M, Ms.Sonal J, Mr.Abhishek K conducted Student Development Program on FPGA design using VHDL from July -September 2018 (3days) with participation of 14 students.
5. Ms. Shubhangi K. organised SITIP 2018(SUMMER INDUSTRIAL TRAINING 2018) by Dr Jonathan Joshi, CEO, Eduvance Technologies Ltd. from June 19, 2018 to July 19, 2018 for SE and TE EXTC 34 students.
6. Ms.Swati Rane conducted Student Development Program on Machine Learning with Python at COE, Data science from 17/12/18-21/12/18.
7. Mr. Pushkar Sathe, Ms.Hema Raut conducted Student Development Program on Embedded systems- ARM Mbed workshop from 19-21 December 2018 (3days) with participation of 12 students.
8. Mr. Shishir Jagtap, Ms. Vandana Sawant conducted Student Development Program on Advanced antenna design using IE3D on 1st July 2018 at SIES GST with participation of 18 students.
9. Mr. Shishir Jagtap, Ms. Vandana Sawant conducted Student Development Program on Antenna design using IE3D from 18/6/2018 to 22/6/2018 at SIES GST with participation of 8 students.
10. Mr. Vishal Gaikwad conducted Student Development Program on Arduino and Introduction to IoT from 20/06/2018 to 23/06/2018 with participation of 9 students.
11. Mr. Biju Balakrishnan conducted Student Development Program on Orientation on Course file, Handbook, Personal file and Menter-Mentee scheme on 04-07-2018 with participation of 5 faculties.
12. Mr.Biju Balakrishnan, Ms. Madhuri Kulkarni conducted Student Development Program on Analog and Digital Communication mini project competition on 29 Sept. 2018 with participation of 40 teams (147 students).

13. Mr. Biju Balakrishnan, Ms. Madhuri Kulkarni conducted Student Development Program on Radiation, sources, hazards and solutions mini project competition on 06 Oct. 2018 with participation of 40 teams (147 students).
14. Ms. Pranavi M conducted Guest Lecture on EDC-I at Vasantdada Patil College of Engineering, Sion on 19/10/2018.
15. Mr. Abhishek Kadam organised webinar on RTL Design & Functional Verification by Sivakumar P R CEO, Maven Silicon on 21st Aug 2018.
16. Department of Computer Engineering in collaboration with other department has organised Faculty Development Program on "Geoinformatics and Related Open Source Technology" dated 10/01/2019 to 12/01/2019.
17. Department of Computer Engineering and Information Technology jointly organised AICTE-ISTE approved Short Term Training Program on "Computer Network and Security" from dated 15/11/2018 to 22/11/2018. 34 participants attended this training.
18. Department of Computer Engineering organised a one day Faculty Development Program on "Networking with LINUX" 5/08/2018. 33 participants attended this training.
19. Department of Computer Engineering organised a Workshop for students on "Embedded Systems", on dated 21/07/ 2018 under CSI Council. 7 students of Computer Engineering department attended this workshop.
20. Department of Computer Engineering organised a Workshop for students on "Android Programming", on 04/08/ 2018 under CSI Council. 36 students of Computer Engineering department, 18 students of EXTC department, one student from Information Technology department and one student of PPT attended this workshop.
21. Department of Computer Engineering organised a Workshop for students on "PC Assembly", on 11/10/ 2018 under CSI Council. 70 students of Second Year from host department participated in this event.
22. One day workshop on KOHA and Library Automation under the National Mission on Education through ICT, MHRD, New Delhi organised at our remote center on dated 12/10/2018 and Network Administrator was Mr. Saikrishna who also received one day training for conducting this workshop from IIT Bombay. Total participation for the workshop was 08.
23. Department of Computer Engineering organised a Seminar for students on "Code chef Activities", dated 14/08/2018, under CSI Council. 40 students of Computer Engineering attended the seminar.

24. Department of Computer Engineering organised a Seminar for students on "Technical Paper Writing", on dated 27/07/2018, under CSI Council. 78 students from Computer Engineering department attended this event. Department of Computer Engineering organised a seminar for students on "Industry Expectations from Engineering students", on 1/08/2018, under CSI Council. Total number of participants for this seminar was 121, from Computer Engineering.
25. Department of Computer Engineering organised a Seminar for students on "Smart India Hackathon", dated 1/10/2018, under CSI Council. This seminar was attended by 135 students of Computer Engineering.
26. Department of Computer Engineering conducted a Student Development Program with Internship on "Ethical Hacking and Security" from 2/1/2019 to 5/1/2019 and 13/01/2019, under Centre of Excellence – e-Security. The target audience were from First Year and Second year. Total no. of participants for the event was 38.
27. Department of Computer Engineering conducted a Student Development Program on "Network Security and Ethical Hacking" from 18/12/2018 to 22/12/2018, under Centre of Excellence – e-Security. No. of participants for the event was 19.
28. Department of Computer Engineering conducted a Student Development Program on "Ethical Hacking and Security" from 13/06/2018 to 19/06/2018, under Centre of Excellence – e-Security. Total 9 students attended the event.
29. Department of Computer Engineering conducted a Student Development Program on "Web Application Security and Ethical Hacking", from 11/06/2018 to 15/06/2018, under Centre of Excellence – e-Security. No. of participants for the event was 22.
30. Department of Computer Engineering organised "Coding Competition", for students on 14/08/2018, 4/09/2018 and 5/09/2018 under CSI Council. 37 students from Computer Engineering, 08 students from Information Technology, 4 students from EXTC, 1 student from PPT and 1 student from MCA attended the event.
31. Department of Computer Engineering organised "Android App Development Competition", for students on 07/09/2018 under CSI Council. Total 25 students from Computer engineering department attended the event.
32. Department of Computer Engineering organised "Code chef Activities", for students on 21/09/2018 and 28/09/2018 under CSI Council. Total 42 students of second year Computer Engineering department attended the event successfully.

33. A Student Development Program on “GD PI and Role Play” for final year students of CE/EXTC/IT and MECH, was held on 23/08/2018, under Career Development Cell.
34. 26 students have undergone Internship during the vacation from the Computer Engineering branch.
35. Department of Computer Engineering organised a guest lecture for second year students on “Mobile Applications in JAVA”, on 11/10/2018. The resource person was Ms. Sakshi Jain from KPIT. Total 85 students attended this lecture.
36. Department of Computer Engineering organised a guest lecture for BE and TE students on “Computer Network and Information Security”, on 11/10/2018. The resource person was Mr. Ramesh Kharat, Priarweb Ltd. Total 12 students from BE and 65 students from TE attended this lecture.
37. Department of Computer Engineering organised a guest lecture for Third Year students on “Advent of Embedded Systems”, on 6 Oct 2017. The resource person was Mr. Dilip Balasubramanian. Total 55 students attended this lecture.
38. Department of Computer Engineering organised a guest lecture for BE students on “Data Analytics”, on 23/02/2018. The resource person was Mr. Abhilash Agrawal, Hansa Cequity Pvt. Ltd. Total 35 students attended this lecture.
39. Faculty Development Program was conducted on “Virtualization Overview- VmwareVsphere 6.x” on August 14, 2018 by Mr. Imran Motani from Anunta Technology Management Services Ltd, Mumbai.
40. AICTE-ISTE approved STTP was organised on “Computer Networks and Security Cyber Security” from 15/11/18 to 22/11/18.
41. Faculty Development Program was jointly organised by SIES Graduate School of Engineering with OSAKA City University, Japan on the blooming field of Geo Informatics titled “Geo Informatics and related open source Technology” from 10/01/19 to 12/01/19.
42. Student Development Programme was conducted on “Responsive Web Page Design using Bootstrap 4” on July 21, 2018 by Dr.Vijay Katkar for SE IT students.
43. Seminar on “Soft skill and Industry Interaction” was conducted on August 3, 2018 by Alumni Mr. Karan Kapoor, Mr. Ashok Krishanan, and Mr. Vinay Hegde for SE IT students.
44. SDP was conducted on “Basic Python” from 14/07/18 to 21/07/18, “Introduction to R” from 14/07/18 to 21/07/18, “Machine learning with Python” from 04/08/18-29/09/18 and Machine learning with R” from 04/08/18-29/09/18 by faculty members under CoE of Data Science & Deep Learning.

45. Seminar on "Electronics domain & its importance in IOT" was conducted on September 4, 2018 by alumnus Mr. Karan Kapoor for TEIT students.
46. Seminar on "Electronics domain & its importance in IT" was conducted on September 4, 2018 by alumnus Mr. Karan Kapoor for SEIT students.
47. Orientation seminar "Career Development" was conducted on September 6, 2018 by Dr. Vikram Patil for SEIT students.
48. Industrial visit was organised to "Reliance Jio" on 10/9/2018 for TEIT students.
49. Boot Camp was organised on "Data Science and Design Thinking" on September 25, 2018 for BEIT at the Indian School of Design and Innovation, at One India Bulls, Parel.
50. Latex Workshop was conducted for BE IT on September 29, 2018 by Prof. Savita Lohiya and Ms. Stephy Benny.
51. Intercollegiate quiz competition "MINDSPARK" conducted on 07/09/2018 & 08/09/2018, workshop on "GitHub& Firebase" was conducted from 03/10/18 and 12/10/18 by Shivraj Patil of BE IT.
52. Seminar on "Digital Marketing & E-Commerce" was conducted on October 1, 2018 by Mr. Karan Makharia for TEIT & BEIT students.
53. Seminar on "Google Dorking and Keylogger" was conducted on October 5, 2018 by Mr. Karan Sawant for TEIT students.
54. Project exhibition and competition "PROJEXIONS" was organised on October 25, 2018 for TE IT students.
55. Seminar on "Digital Marketing" by Social Kinnect Company on January 21, 2019.
56. Workshop conducted for school children on ATV vehicles under SAE students chapter in the month of 1st September 2018.
57. Workshop conducted for students of all branches on Welding under SAE student's chapter on 28<sup>th</sup> and 29<sup>th</sup> July 2018.
58. Conducted Student Development programme on Finite element analysis using Ansys from 18<sup>th</sup> June to 22<sup>th</sup> June 2018
59. Conducted Student Development programme on AutoCad from 25<sup>th</sup> June to 29<sup>th</sup> June 2018.
60. Conducted Student Development programme on PLC programming from 25<sup>th</sup> June to 27<sup>th</sup> June 2018
61. Conducted Student Development programme on Scope of engineer in Solar installation system for BE Students by Mr. Vikal C. on 31st July 2018.
62. Conducted Student Development Programme on State space modelling for TE Students by Dr. S. N. Teli from BVCOE on 4th October 2018.

63. Conducted Student Development Programme on Energy Scenario and methods of energy conservation for SE and BE Students by Mr. Sambhaji Kadam from petroleum conservation research association on 29th August 2018.
64. Two project groups from mechanical department participated in Avishkar project competition on 23rd December, 2018 at RAIT, Nerul. The title of the projects were 'Development of AI machine for crop yield improvement' and 'Application of VR technique for assembly of distributor valve of railway breaking system'.
65. Twenty five S.E. and T.E. students went for industrial internship in the month of December 2018 after the examinations.
66. Mr. Amitej Mupliyath delivered a talk on future scope after BE (Carrier Guidance) for BE students on 31 July 2018.
67. AICTE-ISTE approved STTP conducted an Application of Computer Aided Engineering Tools in Mechanical Technology, from 1st to 5th January 2019.
68. Seminar on "Importance of aptitude towards job placement" Mr. Aditya P. Patil (Decathlon Pvt. Ltd., CBD Belapur) – Alumni on 17. 01. 2019.
69. Seminar on "Importance of selection of proper BE project" Mr. Sachin Desai (Management trainee in operation department with Kruger Ventilation Industry) – Alumni on 08. 01. 2019.
70. Seminar on Stability Analysis by Dr. S. N. Teli, Professor, BVCOE, Navi Mumbai on 04-10-2018 for TE Students.
71. Seminar on Institutional Training Program on Energy Conservation by Mr. Sambhaji N. Kadam Petroleum Conservation Research Association(PCRA), Western Region, Mumbai on 16-01-2019 for SE and BE students.
72. Seminar on Institutional Training Program on Energy Conservation by Mr. Sambhaji N. Kadam Petroleum Conservation Research Association (PCRA), Western Region, Mumbai on 29-08-2018 for TE Students.
73. Seminar on Aptitude for Entrepreneurship conducted by Mr. Akash Agarwal Vasudev Khechamal, Poonawala Pvt. Ltd, Vashi, Navi Mumbai on 30-07-2018 for TE students.
74. Organised P-Pack Junior for the fourth time in the last 3 years to invite 11th and 12th standard science students and introduce them to the Printing & Packaging Field with the help of fun technical events and Quiz. About 45 students participated in the event from various junior colleges in Mumbai & Navi Mumbai.
75. First Workshop in collaboration with BMPA (Seekho aur Samjho- New Season) on the topic "Print Related Issues for Commercial and

“Packaging Finishing” was organised on July 21, 2018 and October 20, 2018. The speakers were Mr. Faheem Agboatwala (Hi-Tech) and Mr. Iqbal Kherodawala from BMPA. 20 PPT students & 2 faculties attended the session.

76. A seminar on Marketing and Digital Marketing by Mr. Ginu Joseph (Founder of Modern Plastics India and Managing Director of Emerald Plastic Magazines) was organised on August 24, 2018 under IPI Student Chapter attended by 123 students from various branches.
77. A Seminar on “Animation Design and Graphics” by Mr. Ritesh Chauhan from ARENA Animations was organised on October 25, 2018 and attended by 24 students.
78. A seminar on “Process Control for Pressroom” was organised on November 22, 2018 in collaboration with Pressman Solutions. 11 PPT students & 2 faculties attended the session.
79. One day Corporate Learning Certificate Training Programme was organised in association with Indian Plastic Institute, Mumbai on December 26, 2018. 19 students underwent the training programme.
80. A Faculty Development Programme seminar on “Recent Trends in the IT Industry and pre-requisites for freshers to become a part of the industry”, by Mr Avinash Krishnamurthi, Corporate Career Management, Human Resources, TATA CONSULTANCY SERVICES on Aug 18, 2018.
81. Awareness session was conducted on latex for H&AS faculties by Ms. Sumitra Padmanabhan on July 19, 2018.
82. Training on Ioncudos conducted on 26.4.2018 by Mr. Ashwin Chavan for the faculty members of H&AS and EXTC .
83. A Student Development Programme was organised on “Moral Awareness Program : Cyber Ethics and Youth Relationship”, Speaker : Mr. Abishek Clifford, CEO of RESCUE on Sep 4, 2018.
84. A Student Development Programme was organised on “Healthy Gender Attitude” by Dr. Swati Shiradkar, Head of Department (OBGY) with MGM Medical College, Aurangabad on Sep 27, 2018.
85. A Student Development Programme was organised for PPT students entitled “Industry Interaction with Experts” Speaker: Mr. Prashant Zade, Application manager, Emerging Graphics India Pvt. Ltd. on Oct 6, 2018.

## Cognition ‘2018

Cognition, a National level Technical Festival was organised on 07.09.2018 . It is an ideal platform for students to sharpen their technical skills in a fun filled way.

The fest began on 7th September 2018 with the inauguration ceremony. The Deputy RTO, Mr. Anil Patil and Mr. Ajay Mehta, MD, SMIL Products Pvt. Ltd., were the Chiefs Guests for this occasion.

## National festivals

- **Independence day celebration held on 15.08.2019.**

The Independence day was celebrated on 15.8.2018, the music club performed patriotic songs along with certain folk songs followed by the NSS Skit. NSS unit of the college gave an enthralling performance on various current social causes.

- **Republic Day(26/01/2019)**

The college celebrated 70th republic day on 26.01.2019. The flag hoisting was done by the Principal. The subject toppers from all the branches were felicitated during the event.

## Co-Curricular Activities (NSS Activities)

The NSS volunteers conducted a two day yoga workshop on June 18-19 and 20, 2018 on the occasion of International Yoga Day. Faculty members, NSS volunteers and other college students were part of the programme. Four faculty members taught the different asanas to the participants.

The NSS volunteers took part in a tree plantation drive on 01.07.2018 at Shantivan Ashram, Panvel. 58 volunteers planted 105 saplings in Shantivan Ashram.

Random Acts of Kindness : 80 volunteers went around Nerul randomly helping people with small acts of kindness on 25.08.2018.



Independence Day Celebration  
- 15.8.2018



*Cognition Technical Fest -  
7.9.2018*

Dustbin Making : 98 volunteers made creative dustbins out of discarded cardboard boxes and placed them in all of the classrooms on 02.09.2018.

Awareness of Plastic Waste Management was held on 7-9 September, 2018. 148 volunteers actively spread awareness in the college about the right way to dispose of plastic during Cognition 2018. Around 5kg plastic waste was collected and sent to Bisleri International Pvt. Ltd. for recycling.

NSS Week Celebration was held between 24 and 28 September, 2018. 54 volunteers performed street plays in the college to spread awareness about current and urban issues plaguing the society.

Plastic Waste Collection held on 25th September, 2018. 107 volunteers went to the adopted village area, Shirvane and collected 10.5 kg of plastic waste to be recycled from various shops along the road.

Intercollegiate NSS Competition was held on 28th September, 2018. 100 volunteers organised and managed an intercollegiate competition for NSS volunteers to promote blood donation and to bring together various NSS units. The competition included essay writing, poster making and street play.

Blood Donation Camp was held on 3rd October, 2018. 148 volunteers organised and managed a blood donation camp in the college open for everyone with the collaboration of Sion Blood Bank and Retract Club, Lion's club. 301 units of blood were collected. A thalassemia checkup was also conducted simultaneously.

E-waste Management Seminar was held on 18th October, 2018. An NGO MAIT which is dealing with e-waste disposal conducted the same. 65 volunteers attended a seminar on disposal of electronic waste

Special Residential Camp was held on 3-9 January, 2019. 52 volunteers along with 8 senior volunteers camped at Shai village in



NSS street play - 24.9.2018



Tree plantation drive - 1.7.2018

Murbad taluka. The camp was a success as the unit dug up 6 soak pits and build one dam on the river.

Disaster Management Workshop was conducted on 17,18 January, 2019 by Mr.Madhukar Sanap(NMMC) and Ms.Vrindanath (UNDP) of Aga Khan Institute. 20 volunteers organised and attended a disaster management workshop held in the college and also had a practical session on the topics learnt in theory

## Women's Development Cell Activities

1. A Seminar on "Healthy Gender Attitude" Conducted on 27th September 2018 by Dr. Swati Shirodkar (MBBS ,MD OBGY) who has 30 years of experience as Gynecologist of a Medical college (HOD in MGM College and hospital) Aurangabad.
2. A Poster Presentation on "Awareness about HIV/Aids" was conducted on 9.01.2019 To promote youth HIV/aids education posters painting event was organised and selected posters were displayed in SIESGST Quadrangle.

## Library

- During the Year 2018-19, the library procured 1181 books to fulfill the teaching, learning and research requirements of students and

faculty members. The library has updated the General reading, popular Marathi and Competitive Examination collection (UPSC/MPSC/GATE/PSI) to fulfill the information needs of users.

- The library currently subscribes to 1519+ online journals from packages like IEEE-IEL Online, Science Direct, ASME, J-Gate etc. In addition to e-journals, library has renewed subscription to 48 journals/magazines in print and World E-books Library for the year 2019.
- Readers can directly access all the e-resources throughout the GST campus and highest numbers of usage recorded in IEEE – ASPP, Science Direct during 2018.
- Total 16776 visits by students and 599 visits by faculty for the period July 2018 to Jan. 2019. Average per day visit is 111 users.
- Total 11009 circulation statistics by students and faculty during the year 2018-19
- The library has updated the web site by adding soft copies of question papers of all branches and the same can be accessed at: <http://librarygst.wixsite.com/library>

Web training session on URKUND, anti-plagiarism software, was conducted on 10th September, 2018 at computer centre. Many students from Computer, IT, Electronics & Mechanical branches participated in it. Ms Preethi from E-Galactic was the resource person. The session continued with brief introduction about URKUND software and its salient features including method of log in, uploading files and analysis of the result etc.

The Library conducted user training session on IEEE – ASPP and J-Gate Plus e-resources on 4th October, 2018 at the computer centre.



International Yoga Day- 21.6.2018



*Seminar on Healthy Gender  
Attitude by Womens Development  
Cell - 27.9.2018*

Around 50+ students and few faculty from various branches participated in it. Mr. Updhayaya from EBSCO & Mr Mayank from Informatics India Pvt. Ltd were the resource persons.

IIT, Bombay organised one day workshop on Koha, open source library software, on 12th October, 2018 at GST remote centre. Total nine members including eight library professionals and one system administrator from nearby colleges in Navi Mumbai participated in it.

The Library conducted one day book exhibition on 30th January, 2019 in the central library to create awareness and encourage the users about the new books and inculcate reading habits. Many new titles in technical and general publications were recommended by faculty and students.

## Training & Placement Activities

- The Training and Placement Cell, organised Pre-placement Campus Recruitment Training (CRT) for BE 2018-19 from 25th June to 10th July 2018 and 14th July to 4th August 2018. The training programs were conducted by Professional experts from IMS and Campus Credentials.
- Pre-placement Practice Test for BE and Mock Aptitude test was scheduled for the final year and third year Engineering students on 31 July 2018.
- 133 students from BE (all branches) attended and participated in the Seminar on "Strategies to Participate in GD/PI" and Mock Group Discussion on 07th August 2018.
- 180 students appeared for Employability Assessment through



*Blood Donation Camp -  
31.10.2018*

Aspiring Minds Computer Adaptive Test (AMCAT) on 13 August 2018.

- 342 students from Third Year Engineering participated in Mock Online Assessment and Seminar on Preparation for Campus Recruitment between 17th to 25th October 2018.
- Campus Recruitment Training (CRT) for BE 2019-20 started on 17th December 2018. 120 students registered for the 120 hours program. CRT Phase I comprised of Aptitude Training and was conducted, in two batches, between 17th December 2018 to 3rd February 2019. CRT Phase II will be conducted in June-July 2019, as a final preparation for Campus Recruitment 2019-20.

## Placement

Placements for 2018-19 batch of Engineering at SIES Graduate School of Technology started in August 2018, with some of the most reputed organisations visiting the campus for recruitment. Students were provided excellent career opportunities by the top recruiters from the industry such as, Toyo Engineering, Sanmar Group, Continuum, TCS, Wipro, Cognizant, HDFC, L&T Infotech, Zycus, Convonix, Xoriant Solutions, GEP, Majesco, EPAM, Automata Systems, Hind rectifiers, Vistaar, Equifax etc. 30 companies conducted campus recruitment and 134 students from EXTC, CE, IT & Mechanical received the final offer till 31st January 2019. All students of BE Printing and Packaging Technology (PPT) joined various organisations as interns in January 2019, as a part of PPT curriculum.



Alumni Meet "Reconnect" -  
5.1.2019

## Alumni Activity Report 2018-19

Reconnect, the prestigious annual alumni meet of SIES GST was held on the 5th of January 2019. The campus witnessed an outpour of enthusiastic ex-students from all the batches since 2006 till 2018. A Kaleidoscope of emotions of joy, reminiscence and a lot of excitement clouded the atmosphere.

An interactive session between few alumni and students was initiated this year and every department organised this session successfully. The initiative saw an overwhelming response and alumni shared their experience and guided them on higher studies and career options. They also shared their memories which brought a smile on every face.

# SIES GRADUATE SCHOOL OF TECHNOLOGY



**T**he SIES Graduate School of Technology has come of age with its Fifteenth batch passing out this year. It has made a mark in the technical education field as one of the best Engineering colleges in Mumbai and Navi Mumbai. GST students have excelled in all fields and have made their presence felt in a big way at the University, State and National levels.

## ACADEMIC ACHIEVEMENTS

List of University Merit Rankers of 2018-19 Examination:

Rank	Name	Degree
1 <sup>st</sup>	Ms. Priyanka Maitra	B.E. Printing & Packaging Tech.
2 <sup>nd</sup>	Ms. Hule Purva	B.E. Printing & Packaging Tech.
3 <sup>rd</sup>	Ms. Shruti Shinde	B.E. Printing & Packaging Tech.

## COLLABORATION/MEMORANDUM OF UNDERSTANDING

- Electronics & Telecommunication Engineering Department signed a MoU with NMMC and received a Research Grant of Rs.50,000/- for a project.
- ESKO Graphics, Singapore MoU signed for the period between 1<sup>st</sup> Jan, 2020 to 31<sup>st</sup> Dec, 2020 for granting latest Softwares and licences for ArtiosCAD, Deskpack, Studio Designer and Visualizer.
- 5 students underwent 2-month internships at Printweek India, Mumbai in Oct-Nov. 2019 (5-year MoUs were signed in 2017 with the company).
- Computer Engineering Department signed MoU with Cloud Counselage on 26<sup>th</sup> September 2019.

## INSTITUTIONAL SOCIAL RESPONSIBILITY (ISR) – BEACON

The Sixth batch commenced on 10<sup>th</sup> August, 2019. A total of 70 students took admission.



Plumbing – 2, Electrician – 18, Welding & Metal Turning – 4, Computer Operator – 12 and Sewing & Tailoring – 7, Screen Printing-2 & AC Mechanic -14, Web designing – 11.

Keeping in mind the feedback from the first batch, more focus was given on practical aspects and hands-on sessions.

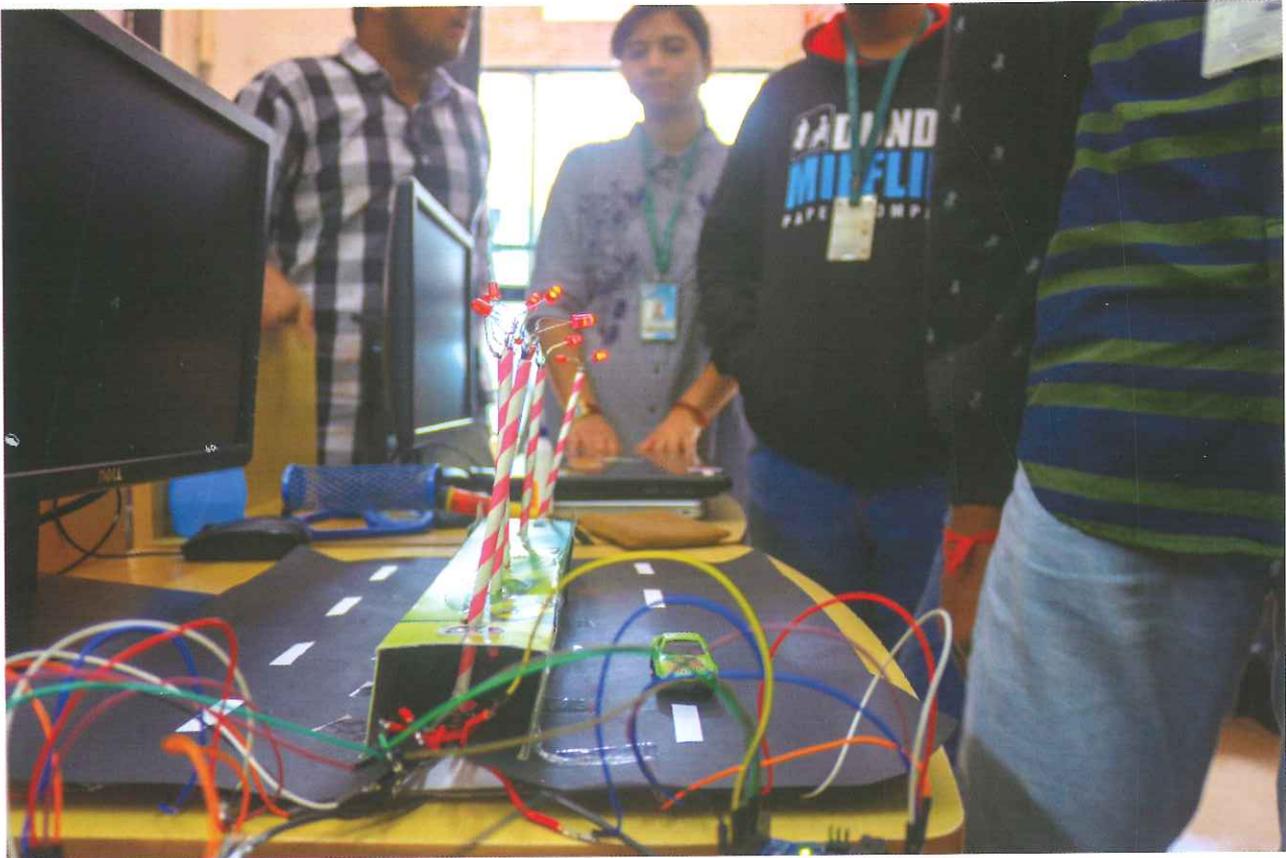
The certificates of completion were issued to the students and toolkits were also given to them. The Seventh Batch commenced from February 11, 2020. 65 students have confirmed for admission in various trades.

#### INITIATIVES:

- Department organised the fifth edition of the highly successful "P-Pack" – National Level Technical Quiz on Plastics in Packaging on 28<sup>th</sup> Sept, 2019, under Indian Plastics Institute, Mumbai Chapter. Participants were from Mumbai, Pune, Chennai, Madurai, Aurangabad, Valsad and Roorkee.
- M/s SMI Coated Products Pvt. Ltd. instituted an annual need-cum-merit based scholarship

of Rs. 3,00,000/- to be given to 12 students on need-cum-merit basis (Rs. 25,000/- each).

- The Bombay Master Printers Association instituted an annual outstanding "Girl students" Scholarship of Rs.1,00,000/- to 2 deserving students from Third and Final Year students of Printing & Packaging Technology.
- Shri. Sagar Shejwalkar (Ex-SIESGST PPT Head) instituted the Shashank Shejwalkar Scholarship of Rs.15,000/- in December 2018 to be given to student with all-round performance in academics and extra-curricular activities.
- Department of Printing & Packaging Technology hosted the prestigious Idealliance South Asia/ India/ MENA G7 Expert Certification training from 24<sup>th</sup> to 26<sup>th</sup> August, 2019. One of the PPT Dept. faculty Shri. Gaurav Fasate was deputed from the PPT Department.
- Out of 66 students who graduated in 2019, 46 have been placed and 12 are pursuing higher studies.



- **First year Engineering Orientation:** Five day Orientation Program was organised for all First year students from August 7-13, 2019 which covered Traditional Orientation Program, Tree Plantation, A résumé building workshop using Google Sites, LinkedIn and Github , A dance workshop. A session on competitive programming, Photo Shop workshop and Sports Sessions were conducted. Also conducted Universal Human Value session on "Interpersonal Relationship" by an expert speaker Ms. Vaidehi Chattrre, a Corporate lawyer associated with Chinmaya Trust. Conducted a Yoga session and an interactive session with Alumnus of SIESGST.
- Poster Presentation Competition exclusively for First year Engineering students "**Promethean: An Engineer's solution to Environmental Problems**", First round held on 3<sup>rd</sup> January, 2020 in GST judged by faculties of H & AS in which nearly 150 students participated.
- Eleven students from First Year Engineering

got selected for Corporate TransUnion CIBIL Scholarship program initiated by the corporate companies under Vidyasaarathi.

## ACADEMIC/TECHNICAL ACHIEVEMENTS OF STUDENTS

- A team Majestico of B.E.- Information Technology branch students Akhil Nair, Rushikesh Shinde, Sunil Pujari and Kush Shah won 2<sup>nd</sup> prize in Hackathon 2020 conducted by SPIT, Andheri, Mumbai.
- Three students of Computer Engineering department won 1<sup>st</sup> Runner Up in a competition I\_Hack conducted by E-cell of IIT, Bombay.
- Shraddha Sanjay Kadam and Nikhitha Narendra Murdeshwar from BE PPT were adjudged winners of PaperMade 2019 conducted by Perksons Packaging for designing & prototyping "**Multi Flavour Ice Cream Dispenser**".
- Students of Mechanical Engineering-Team Turbo Crafters secured All India Rank of 14

out of 280 teams in the virtual phase of BAJA 2020 Competition and secured second position all over Mumbai.

- Team Turbo Crafters- 30 students of Mechanical Engineering participated at the National level Competition BAJA held at Indore, Madhyapradesh and secured 1<sup>st</sup> position in Mumbai and secured 11<sup>th</sup> position at All India level.
- Shantanu Ghar, Sayali Patil and Venkatesh Arunachalam from BE won CDAC-nVIDIA's AI Hackathan 2019 and received a cash prize of Rs. 1 Lakh.
- Apurva M., Navin Kumar M., Mahadevan Narayanan, Aaditya G., Ajun Nair published Paper entitled "**Using deep Learning on satellite Images to identify Deforestation/ Afforestation**" in ICCVBIC (Springer).
- Amogh Gokhale from Final year Engineering-PPT Department won first prize in inquisitive in Techopedia
- Atharva Kshirsagar and Shubham Loya from Second Year Engineering-PPT department won the Technopoly Event under Techopedia.
- Aaditya Parthasarthy, student of Computer Engineering Dept. won Bug forever Coding competition conducted at SIESGST.
- Two teams of 4 students each Senthil kumar, Karthikraj, Thirumalai Y, Shwetambari Shinde and Aditya P, Sidharth Bayle, Akash Chavan, Varsha Kini from Third year Engineering got selected for Deep Blue Majesco Project competition under Mastek group of Company.
- Tejas Shenoy, Dhananjay, Senthil kumar from Third Year Computer Engineering won the first prize in WDL project competition.
- 5 students of Printing & Packaging Tech. Department underwent Industrial training with Print week India and assisted in Jury Day.
- Priyanka Maitra alumna of PPT who passed out in June 2019 was awarded the meritorious Student award with a cash award of Rs. 10000/- by the Bombay Master Printers' Association, Mumbai on 27<sup>th</sup> Sept., 2019.
- Final year Engineering a student group topic "**Solar Powered Atmospheric Water Generator**" got selected for level 2 of Project Competition Avishkar .
- Final year Mech. Engineering student Ken Claude presented technical paper in Avalon 2019 National Level Project Competition at Terna Engineering College, Nerul on 5<sup>th</sup> March and 6<sup>th</sup> March, 2019.
- Two project groups of students from final year Mechanical Engineering received first prize and runner-up prize respectively in National Level Technical Paper Presentation Competition NLTPP-2019 at BVCOE, Kharghar on 20<sup>th</sup> September, 2019.
- Mech. Engg. Department Final year students attended program on Design Innovation Creativity & Entrepreneurship (DICE) Boot Camp at School of Design & Innovation (ISDI), Parel on 5<sup>th</sup> October, 2019.
- Mech. Engg.- BAJA Project students conducted two days Automobile Workshop for school students of St. Xaviers, Nerul on 19<sup>th</sup>-20<sup>th</sup> October, 2019.
- Ms. Nithya K, Shri. Rahul M and Ms. Avantika P of Third year Engineering Information Tech. participated research project "**Cleansweep-The cleaning Bot**" and selected for final round of Avishkar 2019-20 on 21<sup>st</sup> Dec, 2019.
- Shri. Abhirup Kamath, Shri. Karthik Iyer and Shri. Siddesh Menon of Final year Information Technology Department has won the project competition 'Projexions' held on 22.10.2019 and 23.10.2019 at SIES GST, Nerul.
- Shri. Altaf A., Shri. Chirag B and Shri. Abhilash N. of Third year Engineering Information Technology Dept. won the first prize in project competition '**Projexion 2.0**' (IOT) held on 22.10.2019 at SIES GST, Nerul.
- Shri. Aditya and Shri. Anandhu of BE IT has won Best Project Design in the Android application development inter



college competition at Hackathon on 14<sup>th</sup> September, 2019 at Fr Conceicao Rodrigues Institute of Technology, Vashi.

- Shri. Abhirup Kamath, Shri. Siddhesh Menon, and Ms. Archita Poddar of BE IT presented paper in IEEE Conference on Advances in computing, Communication and Control at Father Agnel College of Engineering , Bandra on 20<sup>th</sup> December, 2019.
- Shri. C. Nimish, K. Shri. Bansal and Shri. B. Mitesh of Information Tech. Department students presented and published a paper on "**Maiboli - A programming language solution based on Marathi Devanagari Script,**" 2019 IEEE Bombay Section Signature

Conference (IBSSC), Mumbai, held during 26-28 July, 2019 at VMCC, IIT Bombay.

- Shri. Mithil of Second Year Engineering Information Tech. Dept. and team qualified for BU4EVER Rank 70, ICPC Regionals at Amritapuri and Gwalier.
- Shri. Mithil of Second Year Engg. Information Tech. Dept. and team won the SIH Internal Hackathon software category.
- Shri. Rahul M., Ms. Nithya K. and Ms. Avantika P. won the SIH Internal Hackathon software category and Hardware category.
- Ms. Sara Nayak, Ms. Reethika Renganathan and Shri. Nair Ashwin presented a paper on "**Smart Car Parking System using Wireless**

**Sensor Networks**" alongwith the faculty members Ms. Saritha L. R. and Ms. Leena Ladge in 4<sup>th</sup> International Conference on Inventive Systems and Control on 8<sup>th</sup> – 10<sup>th</sup> January, 2020 at Coimbatore, India.

- Shri. Ajinkya Hundiware and Shri. Shreyas Mujumdar presented a paper on "**Voice Control Car using Machine Learning**" alongwith the faculty Ms. Saritha L. R. in 6<sup>th</sup> Somaiya International Conference on Technology and Information Management on 11<sup>th</sup> January, 2020 at K. J. Somaiya Institute of Management Studies and Research, Mumbai
- Workshop for students on "Angular 5" was conducted by the students Saiprasad and Vignesh Reddy on 12.10.2019.
- A team of 4 students Mithil Poojary, Aakash Chavan, Rahul Sawantdesai and Ninad Chavan got selected for international coding competition ICPC Amritpuri at both regional levels during Sep 2019.
- Abhishek Joshi from SE Com. Engg. dept. was awarded the Elite certification in the course "**PYTHON (algorithms and data structures)**" by NPTEL Sep, 2019.
- Shreya Mukherjee from Second Year Engg. Com. Engg. dept. was awarded by Elite+Gold certification in the course "**Programming in Java**" by NPTEL Jul-Oct, 2019.
- Tejas Shenoy, Dhananjay, Senthilkumar from Third Year Engg. won the first prize in WDL project competition, Sep 2019.
- Ninad Chavan, student of Com. Engg. Dept. successfully completed Foundation certificate in CCDSAP from Codechef.
- Student Vijay Nadar and Krishnan Naidu of Second year Engg. Com.Engg. dept. were part of Team Turbocrafters (Mech.Engg.), honored with AIR 6 and 1<sup>st</sup> in Mumbai at Baja 2020 Endurance .
- Fourteen groups from final year published papers in various journals and conference proceedings
- Microwave Theory and Techniques Society (MTT-S) of IEEE SIES GST Student Chapter has received a gift worth Rs. 50,000/- from IEEE. The trainer kit was received by Prof. Biju Balakrishnan (IEEE SIESGST Branch Counselor and MTTTS Chapter Advisor).
- IEEE Student chapter organised and conducted orientation of IEEE student chapter for Second year Engineering -EXTC branch on 17<sup>th</sup> July, 2019.
- Technical Introduction Session on Microcontrollers, ML and Web development was organised and conducted by IEEE student branch for Second year Engineering students on 31<sup>st</sup> July, 2019.
- IEEE student branch conducted seminar on Women in Engineering on 01.08.2019.
- Navin Subbu, Anuraag Iyengar, Sivasubramanian Venugopalan and Vignesh Iyer students of EXTC Dept. participated in VLSI Design Conference 2020, Bangalore on 6<sup>th</sup>-8<sup>th</sup> January, 2020 and secured first runner up with a cash prize of Rs. 20,000/-.
- Students of EXTC Dept. Aarti Patil, Suraj Sharma, Sakshi Rishipathak, Sarvana Mudaliyar from Third Year Engg. completed one month sponsored internship with a stipend of Rs. 3500/- during the winter vacation in M/s.Acumen Tech Sol PVT Limited, Mumbai.
- IEEE Student branch conducted various workshops such as Python, Amazon Alexa etc. for the students.

## SPORTS ACHIEVEMENT

- Shri. Yasin Ansari of Final year Information Tech. Dept. secured Seventh place in Inter Collegiate Sports and tournaments in the discipline of Taekwondo held at Mumbai University during the year 2019-20.

## CULTURAL ACHIEVEMENT

- Vinay Thaur student of PPT Dept. won third prize in Clay Modeling and Ms. Rima Mondal of Third Year PPT department participated

at Youth Festival organised by the University of Mumbai on 14<sup>th</sup> August, 2019.

- Vinay Thakur student of Final year PPT department secured First Prize in Story writing (District Level) at the 52<sup>nd</sup> Youth Festival.
- Third Year student Gaurang Dandwate received second prize in University Level Quiz Competition (NSS) on '**Life and works of Mahatma Gandhi**' at Mulund College of Commerce on 25<sup>th</sup> September, 2019.
- Shri. Abhishek Avadhani student of Final year Information Tech. Dept. secured Third Rank in Western Vocal Solo event at 52<sup>nd</sup> Inter-Collegiate Cultural Youth Festival organised at S.I.E.S. College of Arts, Science and Commerce, Nerul Navi Mumbai on 9<sup>th</sup> August, 2019 for Zone II (Mumbai II).
- As a part of NSS team students of Com. Engg. Dept. Ms. Anushree Kolhe and Sakshi Mahadik won first prize in UDAAN, NSS street play competition.

## DOCTORAL DEGREES

1. Dr.Lakshmi Sudha, Associate Professor from Information Technology Department completed her Ph.D. in the month of April, 2019.
2. Dr.Rajesh D Kadu, Associate Professor from Computer Engineering Department completed his Ph.D. in the month of May, 2019.
3. Dr. Varsha Patil, Assistant Professor from Computer Engineering Department completed her Ph.D. in the month of July, 2019.
4. Dr. Aparna M Bannore, Associate Professor from Computer Engineering Department completed her Ph.D. in Nov, 2019.

## SEMINARS/WORKSHOPS ORGANISED BY FACULTY OF GST

1. Mechanical Engg. Department conducted Student Development Programme on ANSYS for Second year Engg., Third Year Engineering Students by an industry expert

Shri. Amit Gunjali from Milestone on 30<sup>th</sup> January, 2020.

2. Mechanical Engineering Alumni Shri. Sachin Desai delivered a talk on importance of selection of B.E project in semester VI to Third year Engineering students on 8<sup>th</sup> January, 2020.
3. Mech. Engg. Alumni Shri. Aditya Patil delivered a talk on importance of aptitude towards job placement to Third year Engineering students on 17<sup>th</sup> January, 2020.
4. Mech. Engg. Department conducted Student Development Programme on Energy Conservation, Management, Energy Audit for Final year students by Dr. Santosh Dalavi from PCRA on 5<sup>th</sup> March, 2020.
5. Mech. Engg. Department conducted Student Development Programme on Soft Skills for Second year Engineering students by Ms. Seema Khan from H & AS Dept. on 18<sup>th</sup> March, 2020.
6. Mech. Engg. Department conducted Student Development Programme on Whats Next? Life after B.E. for Final Year students by Shri.Ainain Shahidi, Director of SIES SOP on 26<sup>th</sup> March, 2019.
7. Mech. Engg. Department conducted Student Development Programme on Guidance for UES applicants (armed forces) for all branch students by Retd. Captain R.S. Tope from Indian Navy on 31<sup>st</sup> August, 2019.
8. Mech. Engg. Department conducted Student Development Programme on industrial tools and techniques for Final year students by industry expert Ms. Divyanka Ingale from IDOS LLP on 20<sup>th</sup> September, 2019.
9. Mech. Engg. Department conducted Student Development Programme on GATE awareness for all Mechanical Engg. Students by Vidylankar Coaching Center on 20<sup>th</sup> September, 2019.
10. Mech. Engg. Department conducted Student Development Programme on entrepreneurship awareness camp for final

- year students on 27<sup>th</sup>-28<sup>th</sup> September, 2019.
11. Mech. Engg. Department organised and conducted one-week AICTE-ISTE approved Short Term Training Programme on Application of object oriented programming in mechanical engineering from December 16<sup>th</sup>-21<sup>st</sup>, 2019.
  12. Mech. Engg. Department conducted under the Faculty Development Programme, a Seminar on '**Intellectual Property Rights**' by expert Dr. Prashant S. Lokhande, PCE Panvel on 18<sup>th</sup> January, 2020.
  13. Mech. Engg. Department organised orientation program for the subject of Engineering Mechanics as per revised MU syllabus on 19<sup>th</sup> September, 2019 wherein faculties from 61 engineering colleges participated.
  14. Mech. Engg. Department organised and conducted in-house poster presentation based on final year projects for BE students on 5<sup>th</sup> April, 2019.
  15. Mech. Engg. Department -Society of Automotive Engineers(India) council conducted three events (1 - Roadrash, 2 - Automania, 3 - Design wars) on 28<sup>th</sup>-29<sup>th</sup> September, 2019.
  16. Mech. Engg. Department organised and conducted ISTE approved Short Term Training Programme on Application of Computer Aided Engineering Tools in Mechanical Technology from 1<sup>st</sup>- 5<sup>th</sup> January, 2019 for faculty members and industry persons.
  17. PPT dept. organised P-Pack Junior for the fifth time in the last 4 years to invite 11<sup>th</sup> and 12<sup>th</sup> standard science students and introduce them to the Printing & Packaging Field with the help of fun technical events and Quiz. About 45 students participated in the event from various junior colleges in Mumbai & Navi Mumbai.
  18. One-Week AICTE-ISTE approved Short-Term-Training Programme conducted by PPT Department on "**Food Packaging & Shelf Life Estimation**" between 16<sup>th</sup>- 21<sup>th</sup> December, 2019 attended by 28 participants from Academia and Industry.
  19. Ms. Savita Lohiya, faculty of Inf. Tech. Dept. has organised STTP on Devops & R Programming at SIES GST from 16<sup>th</sup>-21<sup>th</sup> December, 2019.
  20. Ms. Bushra and Ms. Mrinal Khadse, Inf. Tech. Dept. has organised an Orientation Program on "**DevOps Lab**" on 4<sup>th</sup> January, 2020 at SIES GST, Nerul.
  21. Dr. K. Lakshmi Sudha conducted 40 hours Student Development Program on "**CCNA-Routing and Switching**" for Second/Third/Final year Students from 27<sup>th</sup> June, 2019 to 31<sup>st</sup> August, 2019.
  22. Dr. Vijay Katkar conducted 60 hours Student Development Program on "**Advanced Web Technologies**" for Second/Third/Final year students from June '19 to September, 2019.
  23. Inf. Tech. Department had organised "**Ideation'19-Dream for a cause1**" in collaboration with the Entrepreneurship Development Cell of SIESGST and in association with NGOs- Blue Ribbon Movement and Child Vision Foundation under IETE Student forum of SIES GST on 29<sup>th</sup> September, 2019. Ms. Leena Ladge and Ms. Varsha Mali have co-ordinated the event.
  24. Ms. Savita Lohiya organised expert talk on "**Artificial Intelligence**" by Ms. Sneha Krishna, Software Engineer, Xorient Solutions Pvt.Ltd. for Final year students on 21<sup>th</sup> September, 2019.
  25. Ms. Mrinal Khadse and Ms. Bushra Shaikh organised expert talk on "**Designing Java Applications with Database Connectivity**" by Ms. Siddhesh Sawant, Software Developer, Newgen Software Technologies for Second year Engg.-Inf. Tech. Dept. students on 24<sup>th</sup> September, 2019.
  26. Dr. Vijay Katkar organised expert talk on "**Web Security**" by Shri. Abhishek Datkhile, Freelance Security person, for Final year

- Engg. Information Tech. Students on 13<sup>th</sup> September, 2019.
27. Dr. Vijay Katkar and Ms. Seema Redekar of Inf. Tech. Dept. organised expert talk on "**Angular JS and NoSQL**" for Third Year Engg. Students by Shri. Siddhesh Karadikar on 5<sup>th</sup> October, 2019.
  28. Ms. Leena Ladge organised expert talk on "**Industrial IoT**", by Shri. Harish Chandar, Founder/Director INDIATECH Pvt. Ltd. On 10<sup>th</sup> October, 2019.
  29. Shri. Amit Pandhare organised expert talk on "Career Enlighten on Networking and Cyber Security by Shri. Mohammad Junaid for Final Year Inf. Tech. students on 14<sup>th</sup> October, 2019.
  30. DICE Boot camp was organised for Final year Inf. Tech. Dept. students on 5<sup>th</sup> October, 2019 by IETE student forum and EDC, SIES GST.
  31. Boot strap workshop was organised for Inf. Tech. Dept. students from 31<sup>st</sup> July- 6<sup>th</sup> August, 2019 by IETE student forum.
  32. Tech-Entrepreneurship talk was organised on 22<sup>nd</sup> August, 2019 for Final Year Engg. Inf. Tech. Dept. and Third Year Inf. Tech. Dept. students by ISDI Mumbai and IETE student forum, EDC of SIES GST.
  33. **IDEATION-19** was organised on 29<sup>th</sup> September, 2019 by IETE student forum, EDC of SIES GST.
  34. **Projections 2.0** was organised from 22<sup>nd</sup>- 23<sup>rd</sup> Oct, 2019 by IETE student forum.
  35. Computer Engg. department has conducted workshops/Student Development Program on various security tools for students of all departments. "**Network Security and Ethical Hacking**" conducted from 16<sup>th</sup> to 21<sup>th</sup> December, 2019 was conducted in collaboration with UnotechSoft Ltd., 9<sup>th</sup> Legend.
  36. To promote Web Development Skills among the students Ms. Namrata Patel and Ms. Kranti Bade of Com. Engg. Dept. conducted Web Development competition for Third year Engg. students under CSI on 13<sup>th</sup> September, 2019.
  37. WDL Project Competition was organised by the faculty members Ms. Kranti Bade and Ms. Namrata Pate of Com.Engg. Dept. For Third Year Engg. Students on 22<sup>nd</sup> October, 2019.
  38. Department of Computer Engineering had organised an AICTE-ISTE approved Short Term Training Program on "**Cloud computing & High Performance Computing**" from 9<sup>th</sup> to 14<sup>th</sup> December, 2019. Resource persons were Dr. Bhushan from Thadomal Shahani College of Engg. and Faculty members of SIESGST Dr. Rizwana Shaikh, Ms. Preeti Godbole, Ms. Prachi Shahane.
  39. One day workshop on Linux conducted by Teaching learning centre ICT , coordinated by IIT Bombay under remote centre on 23<sup>rd</sup> August, 2019.
  40. One day workshop on R conducted by Teaching learning centre ICT, coordinated by IIT Bombay under remote centre on 9<sup>th</sup> November, 2019.
  41. Department of Computer Engineering organised workshop on "**Bootstrap**" on 10<sup>th</sup> August, 2019 by Shri. Sunil Punjabi and the student chapter Computer Society of India.
  42. Department of Computer Engineering organised workshop on "**Python**" on 31<sup>st</sup> August, 2019 by Masooda Modak.
  43. Department of Computer Engineering organised workshop on "**Django**" on 7<sup>th</sup> September, 2019 by Girl script Community.
  44. Department of Computer Engineering organised workshop Coding competition on 9<sup>th</sup> August, 2019 by the student chapter Computer Society of India .
  45. E-yantra workshop conducted by Shri. Sunil Punjabi for First year/Second Year Engg. Students on 31<sup>st</sup> August, 2019.
  46. Workshop on PC assembly was conducted for Second year Engg./Third year Engg. Students on 21<sup>st</sup> September, 2019 under the student chapter Computer Society of India.



47. Ms. Namrata Patel had organised expert talk on "**Latest Web Development Technologies**" for Third year Engg. Students in September, 2019.
48. Ms. Pranjali Thakre had organised expert talk on "**Advanced JAVA**" for Second year Engg, students in September, 2019.
49. Dr. Aparna Bannore had organised expert talk on "**Cyber Laws and Cyber Crime**" for Final year students in 27<sup>th</sup> September, 2019.
50. A Guest Lecture was organised by Ms. Pranita Mahajan on subject Computer Network for TE students on 18<sup>th</sup> October, 2019. Speaker was Mrs. Kavya and Team, IIT Bombay.
51. A Seminar on Technical paper writing for Third year Engg./Final Year Engg. Students were conducted by Dr. Aparna Bannore and Dr. Rizwana Shaikh in the first week of October 2019.
52. Department of Computer Engineering conducted Student Development Program with Internship on, "**Software Design**" in collaboration with IIT Bombay from 16<sup>th</sup> to 20<sup>th</sup> December, 2019.
53. Department of Computer Engineering conducted a Student Development Program with Internship on "**R Programming**" by Dr. Varsha Patil, Ms. Pranita Mahajan, Ms. Masooda Modak, Ms. Anindita Khade, Ms. Prachi Shahane from 2<sup>nd</sup> to 7<sup>th</sup> December, 2019.
54. Department of Computer Engineering conducted a Student Development Program with Internship on, "**Network Security & Ethical Hacking**" by Dr. Aparna Bannore, Ms. Ujwala Rawale, Ms. Suvarna Chaur, Ms. Kalyani Pampattiwar, Shri. Sunil Punjabi from 16<sup>th</sup> to 21<sup>st</sup> December, 2019.
55. Department of Computer Engineering conducted a Student Development Program with Internship on, "**Blockchain Technologies & Applications**" by Dr. Rizwana Shaikh, Ms. Masooda Modak, Ms. Kalyani Pampattiwar, and Ms. Namrata Patel from 2<sup>nd</sup> to 7<sup>th</sup> December, 2019.
56. Department of Computer Engineering conducted Student Development Program with Internship on, "**Web Technologies**" by Ms. Masooda Modak, Ms. Kranti Bade, Ms. Namrata Patel, Ms. Ujwala Rawale from 4<sup>th</sup> to 19<sup>th</sup> December, 2019.
57. Under IEEE, an Expert lecture of Prof. Ashwini Shetty was arranged on 3<sup>rd</sup> April, 2019 for third year students on the topic Smart Mobile Antenna and an expert lecture of Shri. Aiyappan Pillai was arranged on 18<sup>rd</sup> April, 2019 for final year students.
58. Under Faculty Development Program a workshop conducted on "**Hands on Mendeley**" on 30<sup>th</sup> May, 2019 by Dr. Kaustubh Chavan.



59. Under Student Development Program, a workshop on **"Embedded system – ARM Mbed and Node MCU workshop"** for second year students was organised and conducted by the faculty members Shri. Pushkar Sathe, Ms. Vaishali Mangrulkar from 24<sup>th</sup> to 28<sup>th</sup> June, 2019.

60. EXTC Dept. organised and conducted one week Short Term Training Programme on antennas and RF components design, fabrication and testing during 16<sup>th</sup> to 21<sup>st</sup> December, 2019.

61. Orientation Program on Sem. VIII Subject **"RF Design"** of EXTC Engineering, is Organized at SIES GST, for the faculty members of Mumbai University on behalf of University of Mumbai on 8th of January, 2020.

62. Guest lecture on **"Applications of Fuzzy Logic Systems"** was arranged by Ms. Shyamala Mathi for final year engineering students. Resource person was Dr. R. N. Duche, L.T. College of Engineering.

## COGNITION '2019

Cognition, a National level Technical Festival was organised on 28.09.2019. It is an ideal platform for students to sharpen their technical skills in a fun filled way.

The fest began on 28<sup>th</sup> September, 2019 with the inauguration ceremony. Shri. Rajesh Doshi,

*Proprietor of M/s. Sigma Polymer Consultancy and Vice-chairman of India Plastic Institute, Mumbai Chapter and Shri. Vijay Sogodekar, Vice-President (IT), Reliance Jio were the Chief Guests for this occasion.*

There were many fun filled events that were made by the Tech Team such as Air Hockey Robo Soccer, techrace and lan gaming (games like NFS, FIFA and DOTA2). The Entrepreneurship Development Cell of our college conducted some events such as IPL Auction. Mergers and acquisition, KBC to help the participants develop their entrepreneurship development skills. Dream Job helped the students to understand the entire process of getting a job starting from aptitude tests till interviews. There were events to tickle the students grey cells there was a plethora of quizzes-there were four national level quiz competitions such as matrix (tested students knowledge on physics, chemistry and maths was organised basically for the first years), mindspark, techtroopers (a quiz consisting of puzzles) to test the technical skills of the students and also inquisitive. For orators and literature enthusiasts carefully orchestrated events such as mock parliament, spell bee, being unscripted, psychand The Literati was organised. There were events to test the students' logical understanding through the events such as web-master and coding competition. There were national events such as squabble and circuit

maniacs which were made for debating and testing a student's ability of making circuits by just giving them simple problem statements.

## NATIONAL FESTIVALS

### INDEPENDENCE DAY CELEBRATION HELD ON 15<sup>TH</sup> AUGUST 2019.

The Independence day was celebrated on 15<sup>th</sup> August, 2019. The music club performed patriotic songs along with certain folk songs followed by the NSS Skit. NSS unit of the college gave an enthralling performance on various current social issues.

### REPUBLIC DAY (26<sup>TH</sup> JANUARY, 2020)

The 71<sup>st</sup> Republic day was celebrated on 26<sup>th</sup> January, 2020. The national flag was hoisted by I/c. Principal, Various cultural programmes were arranged by the Music Club and NSS Unit of the college.

## CO-CURRICULAR ACTIVITIES (NSS ACTIVITIES)

- The NSS volunteers conducted a Yoga session on 21<sup>st</sup> June, 2019 on the International Yoga Day. Faculty members, NSS volunteers and other college students were a part of the programme. Faculty members of SIESGST taught the different asanas to the participants.
- The NSS volunteers' along with First year students of SIES GST took part in a tree plantation drive on in the month of August 2019.
- Organised Cleanliness drive in an adopted area at Shirvane school on 25<sup>th</sup> August, 2019 and at the institute on 14<sup>th</sup> September, 2019.
- NSS Week Celebration was held between 24<sup>th</sup> and 28<sup>th</sup> September, 2019. Street plays were conducted in the college to spread awareness about Road Safety and Beti Bachayo.
- Three NSS volunteers Dharnani Arikrishnan,

Gaurang Dandwate and Kaustubh Salgaonkar represented SIES GST NSS UNIT at UNIVERSITY LEVEL Intercollegiate poster making and quiz competition.

- Blood Donation Camp was held 31<sup>st</sup> January, 2020. NSS volunteers organised and managed a blood donation camp in college open for everyone with the collaboration of Sion Blood Bank and Rotract Club, Lion's club. 262 units of blood were collected.
- Students of NSS Volunteers Celebrated birth anniversary of Mahatma Gandhi, joined peace rally and attended Bhajan Sandhya Program at University of Mumbai, Kalina on 2<sup>nd</sup> October, 2019.
- Special Residential Camp was held on 3<sup>th</sup>-9<sup>th</sup> January, 2020. The NSS volunteers camped at Warap village in Pen Taluka. The camp was a success as build one dam on the river.
- As part of AICTE initiatives, Swatchata Oath taking ceremony by the students and faculty/staff members was held on 16<sup>th</sup> January, 2020

## WOMEN'S DEVELOPMENT CELL ACTIVITIES

Agrooming Seminar for girl students on "How to keep us healthy": Conducted on 13<sup>th</sup> November, 2019 from 2.30 p.m. to 3.30 p.m. by the Industry experts from Hindustan Unilever Ltd.

## LIBRARY

- During the Year 2019-20, the library procured 1116 books to fulfill the teaching, learning and research requirements of students and faculty members. The Library updated the General and popular reading books, Competitive Examination collection (UPSC/MPSC/GATE/PSI) to fulfill the information needs of users.
- The library subscribes to online journals from databases like IEEE-ASPP, Science Direct, ASME, J-Gate etc. In addition to e-journals, the library renewed subscription to 42 journals/magazines in print and World



E-books Library for the year 2020.

- Readers can directly access all the e-resources throughout the GST campus and highest numbers of usage recorded in IEEE IEL Online, Science Direct & J-Gate plus during 2019. Average per day article
- download for all e-resources is 15.71.
- Total 26245 visits by students and 702 visits by faculty for the period January to December, 2019. Average per day visit by all users is 98.
- Total 25021 circulation statistics by students



and faculty during the year January to December, 2019. Average per day transaction by all users is 91.

- The library has updated the web site by adding soft copies of question papers of all branches and the same can be accessed at: <http://librarygst.wixsite.com/library>.
- The Library conducted user training session on IEEE IEL Online e-resources on 29<sup>th</sup> August, 2019 at computer centre. Many students and faculty members from various CE/IT & EXTC branches participated in the training session. Mr. G. K.Updhayaya from EBSCO India Pvt. Ltd. was the main resource person.
- The Library conducted one day book exhibition on 30<sup>th</sup> January, 2020 in the central library to create awareness and encourage the users about the new books and inculcate reading habits. Many new titles in technical and general publications were recommended by faculty and students.

## TRAINING & PLACEMENT ACTIVITIES

- The Training and Placement Cell organised Pre-placement Campus Recruitment Training (CRT) for BE 2019-20 on 13<sup>th</sup>, 14<sup>th</sup> & 20<sup>th</sup> July, 2019. The training began in December, 2019 with 120 registrations, across all branches. It was carried further in

July as a final preparation before the onset of Campus Recruitment 2020. The sessions were conducted by Professional experts from Campus Credentials and comprised of training for Aptitude Test- Quantitative, verbal & logical reasoning- Group Discussion and Personal Interviews. Registered Students went through the Mock Group Discussion & Personal Interview during the training.

- Mr. Gaurav Ghelani from Tata Consultancy Services conducted a seminar on "**Industry Expectations from Engineering Graduates**" for the Final year engineering students on 25<sup>th</sup> July, 2019.
- 198 students from EXTC, CE, IT & Mechanical Engineering appeared for Aptitude Idol, organised by Maharashtra Association for TPO (MaTPO) on 23<sup>rd</sup> August, 2019 to practice for Campus Recruitment.
- Ms. Preethi G. Iyer from Mastek conducted a Seminar on Project Deep Blue for TE CE and IT on 23<sup>rd</sup> August, 2019.
- 118 students from Final Year Engineering appeared for Employability Assessment through Aspiring Minds Computer Adaptive Test (AMCAT) on 11<sup>th</sup> October, 2019

## PLACEMENT

Placements for 2019-20 batch of Engineering at SIES Graduate School of Technology

started in July 2019, with some of the most reputed organisations visiting the campus for recruitment. Students were provided excellent career opportunities by the top recruiters from the industry. Following Companies have conducted recruitment for EXTC, CE, IT & Mechanical Engineering.

Tata Consultancy Services, Infosys, LTI, Continuum Solutions, Just Dial, Amazon Web Services (AWS), MAQ Software, GEP, Media. Net, Reliance Jio, NSEIT, Xoriant Solutions, Publicis Media, IngramMicro, RMC Prism, Hind Terminals, Hind Rectifiers, Sanmar Group, Atos Syntel, Panasonic Life Solutions, SBI Life, Vistaar Technologies, Puretech Digital, Endurance International, Mirraw Online, Sankey Solutions.

177 of 279 eligible students have received final offer for CTC ranging from 7 LPA to 3.5 LPA. Some Campus recruitment results are yet to be declared.

Campus Recruitment for BE Printing & Packaging Technology will begin in June 2020, after the students complete industrial internship. AmulFed Dairy will initiate the Campus Recruitment for BE Printing & packaging as a Day#0 recruiter in the second or third week of June 2020.

## INDUSTRIAL VISIT

**"The only source of knowledge is Experience"**, quoted by Albert Einstein, connotes the importance of experience and practical understanding of the formularised concepts learnt. To cater the creative and the ingenious minds of the engineering students of SIES GST and to make them cognizant with the practical side of the course work, a visit to the industries in Bangalore-Mysore was organised between Dec 26-31, 2019. For every branch,

an industry visit related to their core subjects was systematised. The students not only experienced clarity of the concepts learnt in the class, but also on how those concepts were put into action.

The companies visited were:

1. Kaynes Technologies, Bangalore
2. Yuno Packaging, Bangalore.
3. Hindustan Aeronautical
4. CDAC

## ALUMNI ACTIVITY REPORT 2019-20

Reconnect, the prestigious annual alumni meet of SIES GST was held on the 4th of January 2020. Like every year, this year too, the campus witnessed an outpour of enthusiastic ex-students from all the batches since 2006 till 2019. A Kaleidoscope of emotions of joy, reminiscence and a lot of excitement clouded the atmosphere.

An interactive session between few alumni and students was initiated this year and every department organised this session successfully. The initiative saw an overwhelming response and alumni shared their experience and guided them on higher studies and career options. They also shared their memories which brought a smile to every face.

Shri. Saurabh Prabhu, the President of the alumni committee stressed on the importance of the relationship between the alumni and the college in providing internships to the students and giving their valuable inputs based on their experiences. The event was thus marked by both, a walk down the memory lane and a vision for the future.