

DEPARTMENT OF COMPUTER ENGINEERING
Annual Report 2019-20

1. Academic achievements:



Shantanu Ghar, Sayali Patil and Venkatesh Arunachalam from BE won CDAC-nVIDIA's "AI Hackathon 2019" and received cash prize of Rs. 1 Lakh.



Vrunda Mange and Mansi Khamkar Won Consolation Prize in Anveshna 2019-20 .



- Team members Senthil Thannermalai, V. Karthikraj, Venkatesh Murugesh have won 2nd Runner up in Texture ,National level paper presentation competition in SIESGST on topic ‘Geo fencing based digital lang ownership and efficient crop rotation for farmers in Feb 2020.



Prof. Deepti Reddy has completed her Ph.D. in Education Technology from IIT Bombay in the month of November 2019.



Prof. Varsha Patil has completed Ph.D. from Thadomal Shahani College of Engineering Mumbai in the month of September 2019.



Prof. Aparna Bannore has completed her Ph.D. from Mumbai University in the month of November 2019.

1. Prof. Pranita Mahajan has reviewed the translated files of the course “Introduction to research” offered by IIT Madras, September 2019.
2. Dr. Varsha Patil ranked in Topper 1% in the course titled “Fundamentals of Artificial Intelligence” offered by NPTEL, October 2019.
3. Prof. Kalyani Pampattiwar has been awarded as “NPTEL Discipline Star” in the month of Dec 2019 by NPTEL.
4. Prof. Pranjali Thakre admitted to Ph.D. in May 2019 at NMIMS, Mumbai.
5. Dr. Rizwana Shaikh has written an article for SIES e-magazine ADHIGAM for April issue 2020.

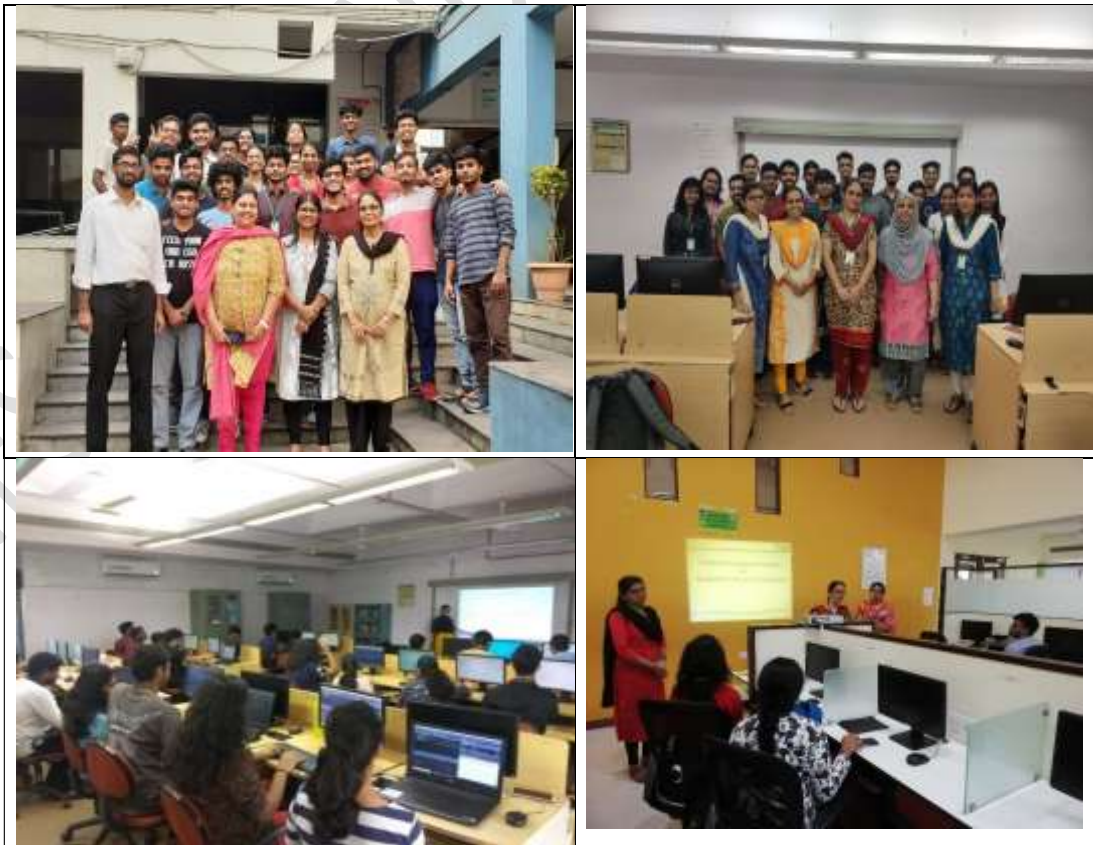
2. Collaborative/MOUs':

- Computer engineering department has signed a MoU with Cloud Counselage on 26 Sep 2019



3. Department Initiatives:

- Department has started with NBA activities. Roles and Responsibilities have assigned to faculties in the month of November 2019.
- CE department has conducted workshops/SDPs on various security tools for students of all departments. "Network Security and Ethical hacking" dated 16nd Dec and 21 Dec 2019 was conducted in collaboration with Unotech Soft Ltd, 9 th Legend.
- Blockchain Technology and Application is one of the SDP floated for the first time in the department with good response from students from various semesters
- In this winter vacation also as a part of continuous practice, the department has floated SDP's in various domains such as Software design and Thinking, R programming, Blockchain Technology to explore students to upcoming technologies needed by industry



- To improve placements and technical skills of students, technical quizzes, aptitude lectures, weekly code chef activities followed by coding competition were conducted.
- Five faculties have completed training on various courses conducted by NPTEL
- To help student's in selecting problem statements for National level Smart India Hackathon (SIH), a seminar was conducted on 13/01/2019.
- The partnership between the Institute and the Company is designed to facilitate the internship hiring process by signing MOU with Cloud Counselage.
- Apprehending Government related internship and taking necessary steps for the same
- As an initiative towards providing good internship opportunities to students department has started drafting mail to companies or startups.
- As a part of Career Development Cell Dr. Aparna Bannore has conducted weekly programming/Aptitude activities for SE/TE students
- To promote Web Development Skills within students Prof. Namrata Patel and Prof. Kranti Bade has conducted Web Development competition for TE students under CSI on 13/09/2019.



- Computer Department has organized Syllabus Revision meeting of subject 'Database Management' on dated 3/3/2020 in SIESGST.



- The CSI Student Chapter of SIES Graduate School of Technology organized a national level project competition, INNOVATIONS, on 28th February, 2020. Total 27 teams participated from various engineering colleges in India. Mr. Kaustubh Gadgil Scientific Officer (G), BARC as the chief guest for the event.



Academic / technical achievements of students:

- Students have actively participated in technical Event Cognition held on 13th and 14th September 2019.
- .Shantanu Ghar, Sayali Patil and Venkatesh Arunachalam from BE won CDAC-nVIDIA's "AI Hackathon 2019" and got cash prize of Rs. 1 Lakh.
- Apurva M, Navin Kumar M., Mahadevan Narayanan, Aaditya G, Ajun Nair have published paper entitled " Using deep Learning on satellite Images to identify Deforestation/Afforestation" in ICCVBIC (Springer).
- Amogh Gokhale from BE won first prize in inquisitive in techopedia, 13-14 Sep 2019.
- Atharva Kshirsagar and Shubham Loya from SE C won the Technopoly Event under Techopedia, National level technical competition by IEEE, 13-14 Sep 2019.
- Workshop for students on "Angular 5" was conducted by Saiprasad and Vignesh Reddy dated 12/10/2019.
- Aaditya Parthasarthy has won Bugforever Coding competition in SIESGST, Sep 2019.

- Two team of 4 students each Senthil kumar, Karthikraj,Thirumalai Y, Shwetambari shinde and Aditya P, Sidharth Bayle, Akash Chavan, Varsha kini from TE get selected for Deep Blue Majesco Project competition under Mastek group of Company, Sep 2019



- One 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, Sep 2019.
- Abhishek Joshi from SE CE is awarded by Elite certification in the course “ python (algorithms and data structures) “,NPTEL Sep 2019.
- Shreya Mukherjee from SE CE is awarded by Elite+Gold certification in the course “ Programming in Java “,NPTEL Jul-Oct 2019.
- Tejas Shenoy, Dhananjay, Senthil kumar from TE have won the first prize in WDL project competition, Sep 2019.
- Ninad Chavan has successfully completed Foundation certificate in CCDSAP from Codechef.
- Vijay Nadar, Krishnan Naidu from SE CE ,part Team Turbocrafters of has honored with AIR 6 and 1st in Mumbai at Baja 2020 endurance .
- Karthikraj, Yogesh, Shardul, Tejas, Shreyas and Shruti has qualified internal round of Smart India Hackathon.
- Swarika, Ajun, Aditya, Mahadevan , Apurva has qualified internal round of Smart India Hackathon.
- Sweta shekhar and team has qualified internal round of Smart India Hackathon.
- Shantanu Ghar, SAYali Patil and Venkatesh Arunachalam won third prize in Hackathon arranged by IITB, March 2020.
- Paper published by Sudhanshu Tarale, Snehal Deshmukh and Ankita Dharurkar on "Suspicious financial activities detection using machine learning", IJRASET (UGC Care), March 2020.
- Karthikraj, Yogesh, Shardul, Tejas, Shreyas and Shruti selected for final round of Smart India Hackathon.
- Sayali Patil, Shantanu ghar, Venkatesh Arunachalam won 1st Runner up in I-Hack conducted by E-cell IIT Bombay in Feb 2020



- Chinmay Chandak & Arvind Thangraj has won Technical Excellence Award in Feb 2020.
- Sayali Patil has won Best Enterprising student award in Feb 2020.
- Team of V. Karthikraj, Shardul doke, Shruti Tambe, Tejas Shenoy, Yogesh vishwanathan, Shreyas Shridhar nominated in Smart India Hackathon 2020.
- Sanoop Menon has secured 34th rank in CEED 2020 by IIT Bombay in Feb 2020.
- Team members V. Karthikraj, Senthil Thannermalai, Thirumalai Nambi Yadav, Shweta shilwant have won special award for outstanding research in Deep blue Majesco on Topic 'Long term water consumption & prediction of Mumbai' in Feb 2020
- Team members Senthil Thannermalai, V. Karthikraj, Venkatesh Murugesh have won 2nd Runner up in Texture in SIESGST on topic 'Geo fencing based digital land ownership and efficient crop rotation for farmers in Feb 2020.
- Total 28 students from computer department (TE & SE) are eligible for level 2 in CISCO ISTE CODATHON in April 2020.
- Final Year Student Sarthak has developed Live Tracking of the CORONA virus app under HMI Mini project in April 2020.
- V Karthikraj, Venkatesh M from TE computers participated in Hackathon Conducted by Datta Meghe College
- Vrunda Mange and Mansi Khamkar Won Consolation Prize in Anveshna 2019-20.

5. Cultural / sports achievements:

- Satish Manikannan completed 4*100 m rally boys and won 2nd prize during ENTHUSIA 2K19 conducted by VJTI
- As a part of NSS team Ms. Anushree Kolhe, Sakshi Mahadik won first prize in UDAAN, NSS street play competition
- Aishwarya Ganeshan and Shweta Ravikumar Participated in Youth Festival conducted by UOM in singing
- Arshita Soni won first prize in Group Dance in Euphoria 2019

6. Faculty achievements/Research grants:

Faculty achievements

- As a part of syllabus revision B.E. Faculties have attended Orientation of Mumbai University on various subjects.
- Prof. Varsha Patil visited Cloud Counselage Pvt. Ltd for internship and Placement activities.
- Dr. Rizwana shaikh acted as reviewer for ICACTA 20 by DJ Sanghvi college mumbai on feb 2020 elsevier publication.
- Dr. Rizwana Shaikh has been invited as a member of the Technical Program Committee for IEEE Conference GUCON 2020.
- Prof. Suvarna Chaure, Prof. Anindita Khade, Prof. Pranjali Thakre were the resource person in STTP on "Object oriented programming in Mechanical Engg", organized by Mechanical Department SIES GST.
- Dr. Rizwana Shaikh has organized and also acted as resource person for AICTE-ISTE approved STTP on " Cloud Computing and HPC" in the december 2019.
- Prof. Pranita Mahajan has guided the students team as a Coach to get qualified at international coding competition ICPC Amritpuri at both regional levels, Sep 2019.
- Prof. Anindita Khade has been a reviewer for the IEEE conference named ICCCDW organized by Atharva College in Feb 2020.
- Dr. Deepti Reddy was invited as resource person for a workshop for teachers on topic CS education workshop : Computing Education Research with a focus on teaching-learning of thinking skills in ACM COMPUTE 2019 conference at University of Goa on Oct 11, 2019.
- Dr. Rizwana Shaikh was invited as a part of the syllabus revision committee for the operating system subject in feb 2020.

Research grants (Minor Research Grant for 19-20)

- Dr. Rajesh Kadu and Prof. Kranti Bade has submitted Minor research proposal on "IOT based Water Quality Management using sensors" for AY 2019-20 and received a grant of Rs.20000 from university of Mumbai.
- Prof. Prachi Shahane, Prof. Pranita Mahajan has submitted Minor research proposal on " Medical chatbot for Non-Communicable Disease Awareness and Prevention for Indian Rural Women " for AY 2019-20 ND received grant from UOM
- Prof. Ujwala Ravale , Prof. Preeti Godbole, has submitted Minor research proposal on " Real time flood monitoring and control system " for AY 2019-20 and received grant from UOM.
- Prof. Kalyani Pampattiwar, Prof. Namrata Patel has Submitted Minor research proposal on "IOT based energy efficient system to control street lamp" for AY 2019-20.
- Prof. Amit Pandhare, Prof. Anindita Khade has submitted Minor research proposal on "Opinion mining for good governance" for AY 2019-20.
- Prof. Preeti Godbole, Prof. Prachi Shahane has submitted Minor research proposal on " Crack Monitoring in bridges using mobile robots " for AY 2019-20.

- Dr. Aparna Bannore, Prof. Ujwala Ravale has submitted Minor research proposal on "Attack and Anomaly detection in critical IOT network using Machine Learning " for AY 2019-20.
- Prof. Masooda Modak, Dr. Rizwana Shaikh has submitted Minor research proposal on " Smart Agriculture using IOT " for AY 2019-20.
- Dr. Deepti Reddy, Prof. Suvarna Chaurse has submitted Minor research proposal on " Analyzing Students Cognitive behaviour behavior in online learning environment using eye tracking " for AY 2019-20.
- Prof. Pranjali Thakre, Dr. Varsha Patil has submitted Minor research proposal on " Dams Monitoring and Management using IOT to prevent disaster" for AY 2019-20.

MAJOR EXTRA /CO-CURRICULAR ACTIVITIES

- WDL Project Competition was organized by Prof. Kranti bade and Prof. Namrata Patel for third year students on 22/10/2019.





- Industrial visit to Reliance Jio was organized by Prof. Pranita Mahjan on 21/09/2019.
- Industrial visit to Bangalore IT park was organized at institute level in the month of Dec 2019, total 51 students and Prof. Sunil K Punjabi, Prof. Suvarna Choure and Prof. Pranjali Thakre were the part of IV

Online Courses

- Prof. Prachi Shahane has successfully completed Datacamp Certification for “Introduction to python”, 23/09/19.
- Prof. Pranita Mahajan has completed online course by Udemy on "Machine Learning with Python and NLP", 27 Dec 2019.
- Prof. Ujwala Ravale has successfully completed 12 week FDP course on “Ethical Hacking” offered by NPTEL, IIT, Jul- Oct 2019.
- Prof. Kalyani Pampattiwar, Prof. Masooda Modak honored with Elite certificate in 12 week FDP course on “Ethical Hacking” offered by NPTEL, IIT, Jul- Oct 2019.
- Prof. Namrata Patel, Prof. Kranti Bade has successfully completed UDEMY course on "Learn By example- PHP for dynamic websites" on 23/09/2019.
- Prof. Anindita Khade has successfully completed UDEMY course on "Python for Data Science and Machine Learning" on 23/09/2019.

- Prof. Sunil Punjabi has successfully completed certification examination on “The Fundamentals of Digital Marketing” on 18 Nov 2019.
- Prof. Anindita Khade completed UDEMY Course on Machine learning and BDA in March 2020
Prof. Anindita Khade completed UDEMY Course on Angular JS in April 2020.
- Dr. Rizwana Shaikh has completed certification on topic ‘ Build with the blockchain: “Deploy your own private blockchain’ by Udemy in April 2020”.
- Prof. Namrata Patel has completed certification on “Open stack Installation and Deployment” by Udemy in May 2020.
- Prof. Pranjali Thakre has completed certification on ‘Complete Data science and Machine Learning in python 2020’ by udemy on May 3, 2020.
- Dr. Rizwana Shaikh, Prof. Masooda Modak, Prof. Kalyani P and Namrata p have successfully completed the online course on Blockchain technology by IIT Roorkee in May 2020.
- Dr. Rizwana Shaikh, Prof. Masooda Modak, Prof. Kalyani P and Namrata p has successfully completed the online course on Blockchain technology full stack implementation by udemy in May 2020.

Publications

- Dr. Varsha Patil has successfully published a paper on ,“Modified CSLBP” in International Journal of Electrical & Computer Engineering (2088-8708).[Scopus indexed journal], August 2019.
- Dr. Varsha Patil has published the paper entitled ,“Adaptive CSLBP compressed image hashing” in International Journal of Electrical & Computer Engineering (2088-8708). Scopus indexed journal, August 2019.
- Prof. Kalyani Pampattiwar, Prof. Masooda Modak, Prof. Namrata Patel have presented paper titled “ Preserving Privacy of data in distributed system using homomorphic encryption” in ICACIE 2019 Springer.
- Prof. Ujwala Ravale has published paper titled ,“ Novel Hybrid Security Model in Cryptography” in UGC approved journal International Journal of Research and Analytical Reviews (IJRAR), Jan 2020.
- Dr. Rizwana Shaikh has published paper titled ,“ GIS based FIR and SOS System” in International Conference on Intelligent computing and Smart Communication Technologies”, Springer, August 2019.
- Prof. Pranita Mahajan has published paper titled ,“ Text Mining in Healthcare” in International Conference on Data Engineering and Communication Systems Elsevier Scopus, Dec 2019.
- Prof. Prachi Shahane has published paper titled ,“ High Performance Computing with Machine Learning in Healthcare” in UGC approved journal Journal of Information and Computational Science, Jan 2020.

- Prof. Sunil K Punjabi has published paper titled ,“ Chat bot Using API : Human To Machine Conversation” in IEEE Global Conference For Advancement In Technology, Bangalore , Oct 2019.
- Dr. Rajesh Kadu has published paper titled ,“Fraudulent News Detection using Machine Learning Approaches” in IEEE Global Conference for Advancement in Technology (GCAT-2019), Oct 2019.
- Prof. Masooda Modak has published paper titled ,“ Detection of Dyslexia using Eye Tracking Measures”,in Springer International Conference on International Journal of Innovative Technology and Exploring Engineering (IJITEE),ISSN: 2278-3075, Volume-8, Issue- 9S2, July 2019.
- Prof. Masooda Modak has published paper titled ,“ Predictive Maintenance Of Heavy commercial Vehicles Using Machine Learning And Data Analytics ”in UGC approved Journal on International Journal of Information and Computing Science,Jul 2019
- Prof. Anindita Khade has published paper titled ,“ Modelling Customer Behaviour for efficient recommendation systems” ,in UGC Approved Journal International Journal of Research and Analytical Reviews, Jan 2020.
- Prof. Suvarna Chaure has published paper titled ,“ Implementation of Blockchain for Payroll Taxation”, in International Conference on Research and development in Engg and technology ICRDETMS-2019 ISBN-13-9781677031795, Dec 2019.
- Dr. Aparna Bannore has published paper titled “Use of Honeypot to secure IoT Network”, in JETIR - Journal of Emerging Technologies and Innovative Research,July 2019.
- Prof.Anindita Khade published a paper “Booting of Diskless Workstations” in International Journal of Scientific Research in Computer Science,Engineering and Information Technology,Volume 6,Issue 2,April 2020,ISSN:2456-3307
- Prof. Pranjali Thakre has presented a paper ‘A Novel Design for Voice-Enabled Home Automation and Personalized Recommendation System’ in DJICACTA, Feb 2020 which will be published in Springer.
- Prof. Preeti Godbole has published a paper "Suspicious financial activities detection using machine learning", IJRASET (UGC Care), March 2020

7. Seminars/workshops organised by departments:

Seminars/workshops organized by departments

Faculty Development Program

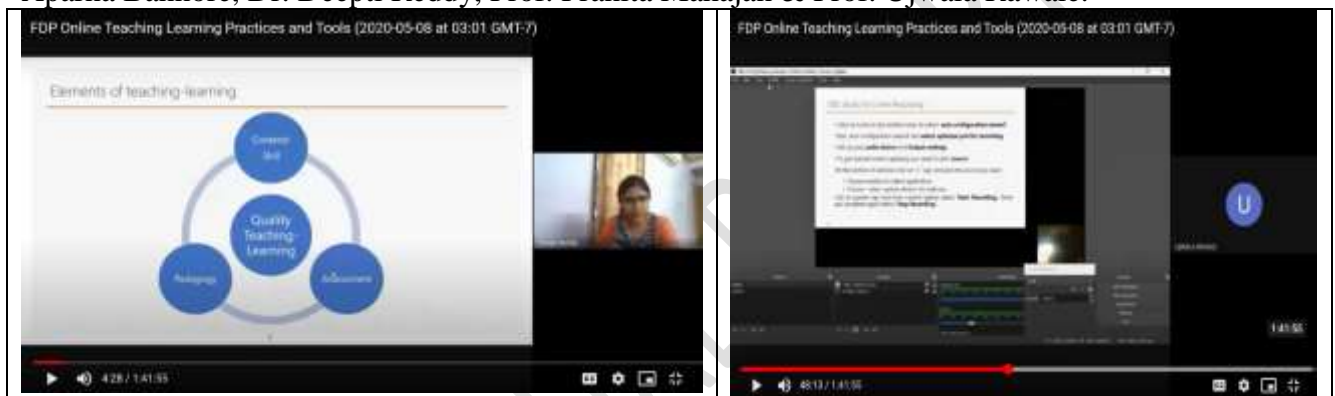
STTP

- Department of Computer Engineering has organized AICTE-ISTE approved Short Term Training Program on “ Cloud computing & High Performance Computing” from

09/12/2019 to 14/12/2019. Resource person were Dr. Bhushan, from Thadomal Shahani ,Dr. Rizwana Shaikh, Prof. Preeti Godbole, Prof. Prachi Shahane.



- Department of Computer Engineering has organized FDP on “Online Teaching Learning Practices and Tools” from 8/5/20 to 9/5/20 through Google meet by Dr. Aparna Bannore, Dr. Deepti Reddy, Prof. Pranita Mahajan & Prof. Ujwala Rawale.



Workshop

- One day workshop on Linux conducted by Teaching learning centre ICT , coordinated by IIT Bombay under remote centre on 23 Aug 2019.
- One day workshop on R conducted by Teaching learning centre ICT ,coordinated by IIT Bombay under remote centre on 9 Nov 2019.
- Department of Computer Engineering organized workshop on “Bootstrap” on 10th August by Prof. Sunil Punjabi and CSI Council. Total number of participants for the event were 16.
- Department of Computer Engineering organized workshop on “Python” on 31st August by Masooda Modak. Total number of participants for the event were 10.
- Department of Computer Engineering organized workshop on “Django” on 7th September by Girlsript Community. Total number of participants for the event were 18.
- Department of Computer Engineering organized workshop Coding competition on 9th August by CSI Council. Total number of participants for the event were 52.
- E-yantra workshop conducted by prof. Sunil Punjabi for FE/SE students on 31/08/2019.
- Workshop on PC assembly was conducted for SE/TE students on 21/09/2019 under CSI.

Seminar

- Prof. Namrata Patel and Kranti Bade has organized expert talk on “ Latest Web Development Technologies” for TE students in Sep 2019.
- Prof. Pranjali Thakre has organized expert talk on “ Advanced JAVA” for SE students in Sep 2019.
- Guest Lecture was organized by Prof. Pranita Mahajan on subject Computer Network for TE students on 18/10/2019. Speaker was Mrs Kavya and Team IIT Bomabay.
- Seminar on Technical paper writing for TE/BE students was conducted by Dr. Aparna Bannore and Dr. Rizwana Shaikh in the first week of October 2019.
- Workshop on “ Quality Teaching Learning-HOTS” for faculty of CE department by Dr Deepti Reddy and Prof. Preeti Godabole.
- Presentation and report writing skills conducted for TE and BE (Through Meet) : Pranjali, Preeti, Dr. Rajesh K, Dr. Varsha P TE: 29/4/20,30/4/20

Pre Placement Seminar

- Dr. Aparna Bannore , Pranjali Thakre has conducted seminar on “Programming with C Quiz including topics Data types, Control Structure, Pointers” on 16/09/2019.
- Dr. Deepti Reddy has conducted seminar on “Programming with C Quiz Data structure Linked list ,trees” on 17/09/2019.
- Prof. Prachi Shahane has conducted seminar on “Logic building and Coding” on 18/09/2019.
- Prof. Vaishali Bhujade has conducted seminar on “Programming with Java” on 19/09/2019.
- Prof. sunil Punjabi has conducted “Quantitative Aptitude” on 20/09/2019.

SDP

- Department of Computer Engineering conducted Student Development Program with Internship on, “Software Design” in collaboration with IIT Bombay from 16/12/2019 to 20/12/2019. Resource person were Dr. Deepti Reddy, Mr. Prajish P, Mrs. Lakshmi Ganesh, Prof. Sunil Punjabi. Total number of participants for the event were 22. (<https://iitbcomputingedresearch.wordpress.com/2019/12/23/software-design-workshop-2019-at-sies-graduate-school-of-technology-navi-mumbai/>)
- Department of Computer Engineering conducted Student Development Program with Internship on ,“R Programming” by Dr. Varsha Patil, Prof. Pranita Mahajan, Prof. Masooda Modak, Prof. Anindita Khade, Prof. Prachi Shahane from 02/12/19 to 07/12/19. Total number of participants for the event were 28.

- Department of Computer Engineering conducted Student Development Program with Internship on, “Network Security & Ethical Hacking ” by Dr.Aparna Bannore, Prof. Ujwala Rawale, Prof. Suvarna Chaure, Prof. Kalyani pampattiar, Prof. sunil Punjabi from 16/12/2019 to 21/12/2019. Total number of participants for the event were 17.
- Department of Computer Engineering conducted Student Development Program with Internship on, “Blockchain Technologies & Applications” by Dr. Rizwana Shaikh, Prof. Masooda modak, prof. Kalyani pampattiar, prof. Namrata Patel from 02/12/19 to 07/12/19. Total number of participants for the event were 25.
- Department of Computer Engineering conducted Student Development Program with Internship on ,“Web Technologies” by Dr Prof. Masooda modak, prof. Kranti Bade, prof. Namrata Patel, Prof. Ujwala Rawale from 04/12/19 to 19/12/19. Total number of participants for the event were 25.

Internship

- a. Abhishek Joshi SE C has Completed internship from 2/12/2019 to 24/12/2019 at JACOBS Engineering India Pvt ltd.
- b. Most of the second and third year students from Computer Engineering Department has completed internship as a part of Student Development Programme.

Seminars/workshops attended by departments

- 18 Faculty members of Computer Engineering department attended the AICTE-ISTE approved Short Term Training Program on “Cloud computing & High Performance Computing” from 09/12/2019 to 14/12/2019.
- Faculty members has attended one day workshop on Linux conduted by IIT Bombay on 23rd August.
- Prof. Prachi Shahane has attended FDP on "High Performance Computing " At RAIT.
- Prof. Prachi Shahane, Prof. Suvarna Chaure Prof. Sunil Punjabi and Prof. Anindita Khade has attended one day “Workshop on How to Make Impact Through Effectiveway Communication” on 6th July 2019 and 19th oct 2019 At SIESGST
- Prof. Prachi Shahane, Prof. Suvarna Chaure has attended oirentaton program on "Mobile communicaton and computing " on 11/07/2019 at SAKEC .
- Prof. Pranita Mahajan has attended “Smart Classroom”, conducted at the Department of CSE, IIT Bombay, 24-25 June 2019.
- Prof. Pranita Mahajan has attended one day Coordinators' Workshop on Linux - 3 August 2019, under ICT, IIT Bombay.
- Prof. Pranita Mahajan has attended one day Coordinators' workshop on R Programming ", 12 Oct 2019, under ICT, IIT Bombay.

- Prof. Ujwala Ravale has attended one day workshop on R Programming - 12 Oct 2019, under ICT, IIT Bombay.
- Prof. Preeti G attended the syllabus setting meeting for DL-COA conducted by Datta Meghe college of Engineering, on 25/2/2020.
- Prof.Anindita Khade Attended Orientation program on Big Data Analytics in DBIT on 15/07/2019
- Prof.Anindita Khade organized and attended the syllabus setting meeting for DBMS conducted in SIES GST on 03/03/2020
- m. Prof. Masooda Modak Attended Orientation program on “Cloud Computing Laboratory “ in K,C, College of Engineering on 17/01/2020.
- n.Prof.Masooda Modak was part of the organizing team and attended the syllabus setting meeting for DBMS conducted in SIES GST on 03/03/2020

Online Teaching -Learning (08/04/20 to 17/05/20)

- In the pandemic situation, the department organized the lectures and practicals in online mode using GoogleClassroom and Hangout Meet. Online schedule was well received by the students and for 45 days they were imparted with the subject knowledge from 08/04/2020 to 17/05/2020. Various online classes and activities conducted by the department . Practical conducted
- Practical for the various subjects were conducted by providing videos of practicals,using simulators and using virtual classroom and Zoom virtual laboratory.Usage of various tools like Google meet ,Camtesia, screencast o tic,Openboard,JamBoard , kahoot etc was been used.

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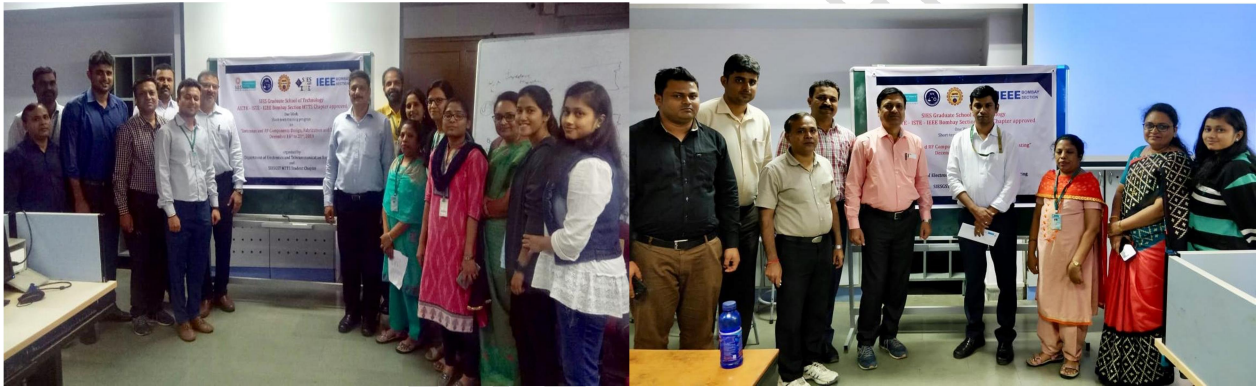
DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION Annual Report 2019-20

1. Academic achievements:

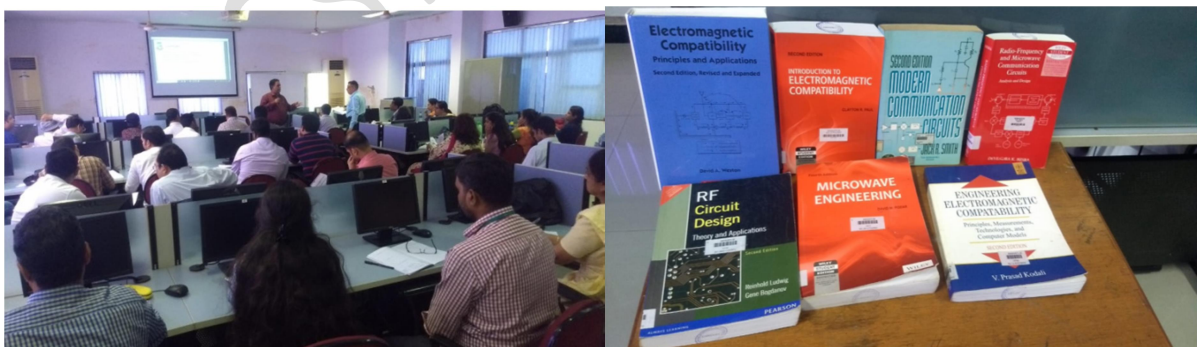
- Dr. Shishir Jagtap completed his Ph.D.
- Prof. Sonal Hutke enrolled for Ph.D
- Prof. Pushkar Sathe enrolled for Ph.D
- Prof. Hema Raut enrolled for Ph.D

2. Department Initiatives:

- Organised and conducted one week STTP on antennas and RF components design, fabrication and testing during 16/12/2019 to 21/12/2019



- Conducted orientation Program on Sem VIII Subject " RF Design" of EXT Engineering, is Organized at SIES GST, for faculties of Mumbai University on behalf of Mumbai University on 8th of January, 2020



3. Academic / technical achievements of students:

- Mr. Navin Subbu, Mr. Anuraag Iyengar, Mr. Sivasubramanian Velmurugan and Mr. Vignesh Iyer final year students got first runner up cash prize 20K in VLSI Design conference 2020 held at Bangalore on 6-8 Jan 2020



- Harsh Agarwal and Aditya Biradar won Digital Poster “Covid-19” Making competition held at MGM Navi Mumbai during 29th April 2020 TO 6th May 2020

4. Cultural / sports achievements:

- Arunkumar Nadar, Priyadarshan and team won the excelsior inter collegiate volleyball tournament held at KEM college during 1st and 2nd February 2020.

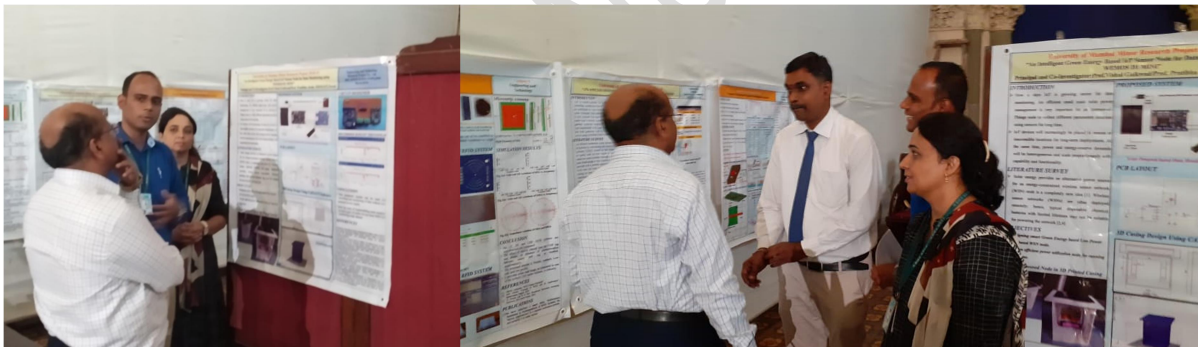


- Varun Shetty got man of the match for Football tournament in Reliance foundation youth sports and university college football tournament.



5. Faculty achievements/Research grants:

- Prof.SwatiRane, presented paper on "Adaptive mean filter technique for removal of high density salt and pepper (impulse) noise", in 5th International Conference on Computing in Engineering and Technology, MGMCE, Nanded, on 9-11 Jan, 2020.
- Prof.BijuBalkrishnan published paper on("Design ,analysis , simulation and implementation of 3D polar FSK modulator in IEEE Explorer
- Prof.D.Senthilkumar,Prof.PratibhaJoshi,Prof.Kintu Patel and Prof.VishalGaikwad presented poster on 16 th December 2019 at Mumbai University for Minor Research Grant received ,



- Dr.Priti Hemnani and Pranavi Mhatre received Rs.20,000 as Minor Research Grant from UOM for the project titled "Real Time litter detection using ML".
- Ms.Sonal Hutke received Rs.20,000 as Minor Research Grant from UOM for project titled "Planar textile antenna for WBAN operating in ISM band" .

6.Seminars/workshops organised by departments:

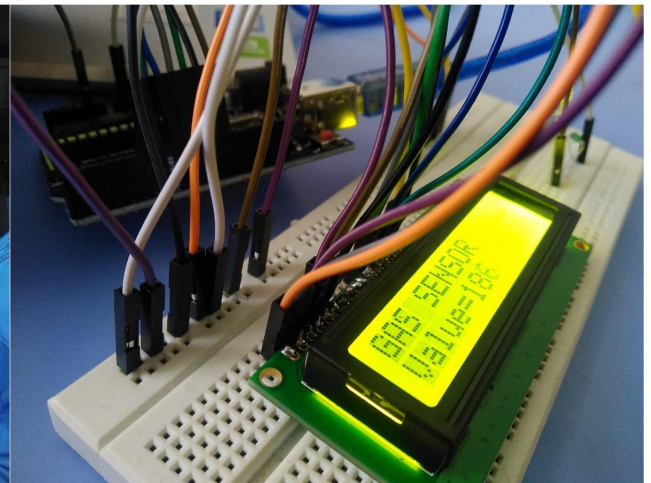
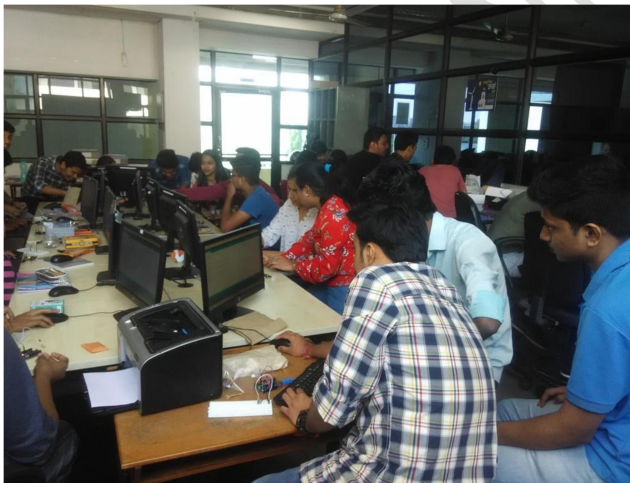
- Internship program on FPGA DESIGN USING VHDL for second year students conducted by Dr,PreetiHemnani,PranaviMhatre during 10/12/2019 to 27/12/2019



- Internship program on Embedded system-Arm Mbed and Node MCU for second year students conducted by prof.PushkarSathe and prof.VaishaliMangrulkar during 6/12/2019 to 20/12/2019



- Internship program on Embedded System Design Using Arduino" for second year students conducted by Prof.VishalGaikwad,Pratibha Joshi and MadhuriKulkarni.during 17/12/2019 to 31/12/2019



- Internship program on Web Development Technologies for second year students conducted by Prof.Kranti Bade and Prof.Namrata Patel during 4/12/2019 to 9/12/2019.



- Internship program on "Machine Learning & Image Processing" ,organized and conducted by Prof. Swati Rane, Prof. Pushkar Sathe, Prof. Shyamla Mathi and Prof. Kintu Patel during 15/6/2020 To 27 /6/2020.
- Internship program on "Introduction to Arduino, IoT and Interfacing using Simulator software" , conducted by Prof .Vaishali Mangrulkar , Prof. Pratibha Joshi and Prof. Vishal Gaikwad during 15/6/2020 To 26/6/2020.
- Internship program on" C, C++ and Java coding skills", conducted by Prof. Sonal Hutke, Prof. Madhuri Kulkarni and Prof. Priyanka Kadam during 15/6/2020 To 26/6/2020
- Prof.MadhuriKulkarni and PriyankaKadam conducted workshop on Report writing in Latex on 22/10/2019



- Expert lecture by Alumni A. Shyam of EXTC deptt. on Data Analytics & Machine Learning on 19 September 2019 organized by Prof. Swati R. and Prof.Sonal H.



- Interaction with Alumni was conducted on January 04, 2020. Five Alumni Mr.Rohan Pillai, Mr.Aman Rajput, Mr. Vishal Raj, Ms.NiveditaDeshpande, Ms.PoojaVenkat interacted with faculties and students .

7.IEEE Events:

- 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.BijuBalakrishnan (IEEE SIESGST Branch Counselor and MTTS Chapter Advisor).



- IEEE student branch conducted seminar on women in engineering on 1/8/2019.



- DIGITAL MARKETING workshop conducted by IEEE student chapter on 10/8/2019.
- IEEE student chapter conducted Python workshop-1 on 7/8/2019
- IEEE student chapter conducted on Python workshop-2 on 9/8/2019
- IEEE student chapter conducted. Python workshop-3 on 13/8/2019
- IEEE student chapter conducted Python workshop-4 on 14/8/2019

- IEEE student chapter conducted Amazon Alexa workshop on 31/8/2019



- IEEE Student Branch, SIES GST has organized Line Robotics Workshop on 14/9/2019 for EXTC students.
- IEEE Student Branch, SIES GST has organized soft skill workshop Titled Communication and its Implications on 16/9/2019 for third year and final year students
- IEEE Student Branch, SIES GST organized Seminar on higher Studies Abroad and other competitive Exams on 23/9/2019 for third year and final year students



- IEEE Student Branch, SIES GST organized IEEE Quiz Competition for third year students on 9/10/2019. Quiz was conducted by Prof. Biju Balakrishnan.
- IEEE Student Branch, SIES GST organized 24 hour programming competition "IEEE Xtreme 13.0" on 19/10/2019 5.30AM to 20/10/2019 5.30AM.



- IEEE Student Branch, SIES GST. Organized and celebrated IEEE day on 14/10/2019. Chief guest was Dr. VinitKotak, Vice Chairperson of IEEE Bombay Section



- The WIE affinity group under IEEE SIESGST Student Chapter in collaboration with the Women's Development Cell at SIESGST celebrated Women's Day on 9th March 2020. On this occasion, a panel discussion on "**Challenges faced by women in today's Social, Cultural and Work Setting**" was arranged. Dr.AnuBinny (HR Technology Practitioner), Mrs.NehaPasoria (Lawyer), Mrs.RachnaSabu (Psychologist & Special Educator), Dr.Manisha S Abhyankar (HOD, Computer Science, KBP College) and Dr.PoojaVyasBansal (Obstetrics and Gynecology) were the panelists for the day from various fields.



- On 12th of February 2020, the IEEE SIESGST student chapter revealed annual magazine of the year 2018-19. The magazine named **Technozine** is a compilation of the multiple events, workshops, and the annual fest Techopedia of IEEE SIESGST conducted in working tenure 2018-2019.

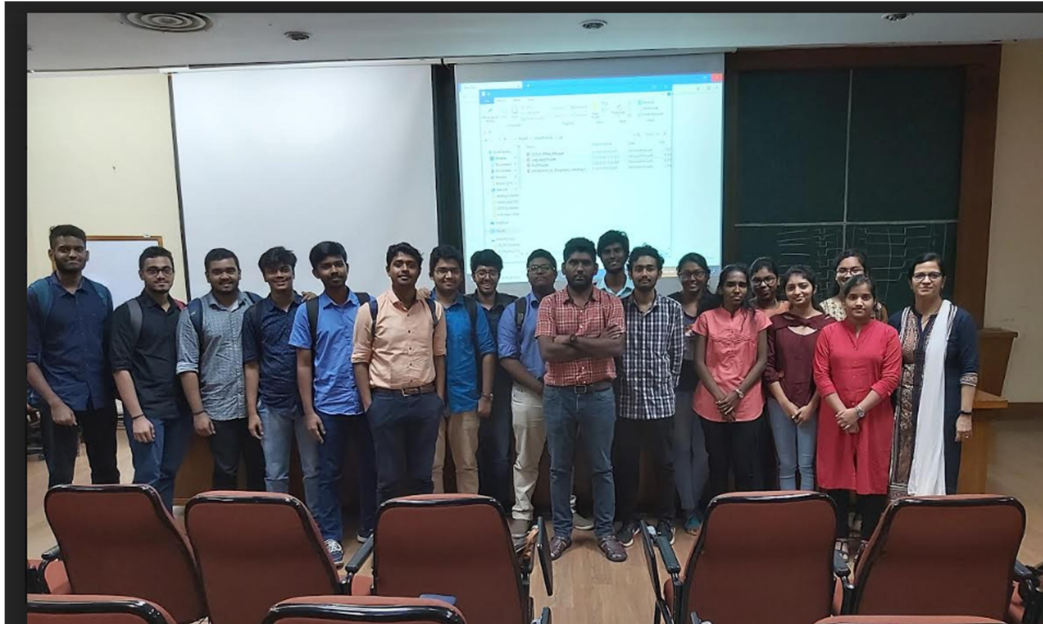


- On 26th February 2020, the IEEE SIESGST student council under the WIE affinity group conducted STEM lectures for students in the 6th standard as a mean to inculcate a sense of curiosity and eagerness to learn and discover more about the fields.



7.Industrial Visits

1. Industrial visit to TIFR ,Colaba is organized by Dr.PreetiHemnani on 21/9/2019 for final year students



2.Industrial visit at IIT SAMEER was organized on 28/2/2020 for third year students.



3.Industrial visit to TIKONA, Ghanasoli,was organized by Mr.BijuBalkrishnan on 5/9/2019 for third year students



1. Industrial visit to JIO Reliance ,Ghansoli, was organized by Mr.BijuBalkrishnan on 5/9/2019 for third year students



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DEPARTMENT OF MECHANICAL ENGINEERING

Annual Report 2019-20

1. Academic achievements:

- BE student Sahil Shivathare got selected for Infosys in campus placement.
- BE students Sabarish Krishnamurthy and Swarup Dhanawade got selected for Hind Terminals Pvt. Ltd. In campus placement.
- Final year students Atul Agnihotri and Aniket Bhosale qualified GATE 2020 with score of 41.11 and 48.48 respectively.

2. Department Initiatives:

- Department organised various SDPs for SE, TE and BE students.
- Department organised industrial visits for the students of SE, TE and BE.
- Department conducted orientation program for the subject of Engineering Mechanics as per revised Mumbai University syllabus on 19 Sept 2019.
- DAB meeting was conducted on 19 October, 2019.
- Faculty-Alumni interaction.
- Organised Parents-Teachers Meet.
- Department organised FDP.

3. Academic/technical achievements of students:

- SAE student team Turbocrafters conducted two days Automobile workshop for school students on 27-28 July, 2019.
- SAE students team conducted Solidworks workshop for F.E. and S.E.(Mech) students on 30-31 August, 2019.



- Two project groups (Group No. 5: Chettiar Sairam, Iyer Siri, Chaudhari Raj, Chillara Sowmya; Group No. 12: Ghatage Avdhut, Jalalbisht Neeraj, Phapale Aishwarya, Shivathare Sahil) from final year received first prize and runner-up prize respectively in National Level Technical Paper Presentation Competition NLTPP-2019 at BVCOE, Kharghar on 20 September, 2019.
- SAE council students conducted three events (1 - Roadrash, 2 - Automania, 3 - Design wars) on 28-29 September 2019.

- BAHA students conducted two days Automobile Workshop for school students of St. Xaviers, Nerul on 19-20 October, 2019.
- Students from SE and TE have undergone internship in industries after end-sem exams in December 2019 and January 2020.
- BE project group with topic Solar powered atmospheric water generator got selected for level 2 of project competition Avishkar.
- BE project student group presented and demonstrated the innovative project idea in Innovations 2020 organised by CSI in SIES GST and won second prize on 28 February 2020.
- Three student groups presented paper in national level technical paper presentation competition Techxter 9.0 at SIES GST on 29 February 2020.

5. Cultural/sports achievements:

- Students of SE, TE and BE participated in various events in TML 2020.
- 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 September, 2019.
- SAE student team Turbocrafters participated in National level event all-terrain vehicle competition BAJA 2020 at Indore during 22-26 January 2020 and secured 1st in Mumbai, AIR 8th in maneuver, AIR 6th in endurance and overall AIR 11th rank at national level.



- SAE student team Turbocrafters participated in National level event all-terrain vehicle competition ATVC 2020 at Vadodara, Gujarat and secured AIR 1 in Suspension & Traction, AIR 1 in Cost, AIR 1 in Mega Marketing Round, AIR 4 in Maneuverability, AIR 3 in Endurance and overall AIR 3rd rank at national level.

6. Faculty achievements/Research grants:

- Prof. Lokpriya Gaikwad submitted research paper to international conference IMMT2019 to be held in BITS-Pilani Dubai Campus during 20-22 Nov, 2019.
- Dr. Rupendra Nehete and Dr. Kaustubh Chavan submitted technical paper to international journal IJMPERD (scopus indexed) from Trans Stellar Publications.
- Prof. Ganesh Kadam and Prof. Onkar Potadar visited the industry Metalemmas Bombay Pvt. Ltd., Thane on 21 September 2019 for getting an overview on current going final year project (Design and Manufacture of India's largest ladder) as well as discussed future prospects for industry-institute interaction.
- Four minor research proposals were submitted for getting research grants by Dr. Pradip Patil (2 nos.), Dr. Kaustubh Chavan (1 nos.) and Prof. Lokpriya Gaikwad (1 nos.) to Mumbai University.
- Prof. Prashant Ambadekar published two books entitled 'Advanced Manufacturing Processes' for MSBTE and Jharkand University.
- Dr. R.S. Nehete got patent certificate (Design no. 286364, Issue date: 01/07/2019, Class: 203) in the month of November 2019.
- Dr. R.S. Nehete published paper in Scopus indexed International Journal IJITEE in October 2019.
- Dr. R.S. Nehete published paper in Scopus indexed International Journal IJSTR in November 2019.
- Dr. Pradip Patil published paper of IEMECON 2019 in IEEE Digital Explore in November 2019.
- Dr. Rupendra Nehete presented poster for minor research grant project in Mumbai University on Dec 16 2019.
- Dr. Rupendra Nehete published two papers in International Journals IJSTR and IJRTE having scopus indexing.
- Prof. Prashant Ambadekar presented poster for minor research grant project in Mumbai University on Dec 16 2019.
- Prof. Prashant Ambadekar presented poster for Avishkar project competition (teacher category) at RAIT Nerul on Dec 21 2019.
- Prof. Prashant Ambadekar published books entitled 'Industrial Engineering and Management' and 'Mechatronics' for MSBTE.
- Prof. Lokpriya Gaikwad's two papers have been accepted in International Journals TQM and IJIMSE.
- Dr. Rupendra Nehete and Dr. Pradip Patil attended syllabus revision meeting for revised syllabus curriculum Rev. 2019 of Mechanical Engineering of Mumbai University at LTCOE, Koparkhairane on 29 February 2020.
- Prof. Prashant Ambadekar published book entitled 'Measurement and Automation' for MSBTE.
- Prof. Lokpriya Gaikwad's two papers have been published in scopus indexed International Journals TQM (Emerald) and IJIMSE (Science Publ.).
- Prof. Prashant Ambadekar's paper has been published in International Journal of Bio-and Tribo-Corrosion (Springer) on 2nd March 2020.
- Prof. Prashant Ambadekar's paper has been published in International Journal SN Applied Sciences (Springer) on 9th April 2020.

7. Seminars/workshops/industry visits organised by departments:

- An alumni talk was organized on ‘Projects in Heat Transfer in Alfa Laval’ by alumni Mr.Pankaj Pathak from Alfa Laval for BE students on 30 August, 2019.



- Department organized and conducted Parents-Teachers Meet wherein faculties interacted with parents and delivered seminars on activities of department and institute on 30 August 2019.



- A SDP was organised on Guidance for UES applicants (armed forces) for all branch students by Retd. Captain R.S. Tope from Indian Navy on 31 August, 2019.
- Orientation program was conducted for the subject of Engineering Mechanics as per revised Mumbai University syllabus on 19 Sept 2019 wherein faculties from 61 engineering colleges participated.



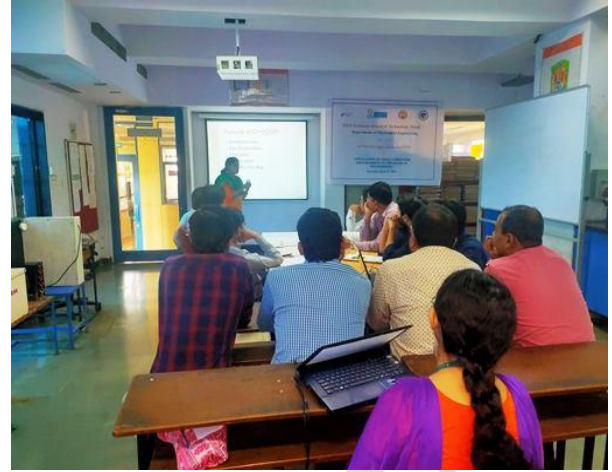
- A SDP was organized on industrial tools and techniques for BE students by industry expert Mrs. Divyanka Ingale from IDOS LLP on 20 Sept 2019.



- A SDP was conducted on GATE awareness for all mechanical engg. students by Vidylankar coaching center on 20 September 2018.
- Industry visit was conducted for second year students at Hindustan Forging & Steel Industries (HFSI), Wagle Estate, Thane for imparting knowledge on machining, heat treatment and forging operations on 21 September 2019.



- A SDP was conducted on entrepreneurship awareness camp for final year students on 27-28 September 2019.
- BE students attended program on Design Innovation Creativity & Entrepreneurship (DICE) Boot Camp at School of Design & Innovation (ISDI), Parel on 5 October, 2019.
- Industry visit was organized for BE students at workshop of Fortune Cars Pvt. Ltd., Nerul on 9 October, 2019.
- Department organized and conducted one-week AICTE-ISTE approved STTP on Application of object oriented programming in mechanical engineering from December 16-21, 2019.



- In-house internship was conducted on topics ‘Design and Manufacturing of Drill Jig & Maintenance of Various Machines in Machine Shop’ and ‘Design and Development of Spiral Tube Heat Exchanger’ for students of SE and TE respectively from December 5-22 2019.





- Industry visit was conducted at Mecho Engg. Pvt. Ltd. for TE students from Dec 26-31 2019 at Bangalore, Karnataka.



- Department conducted Alumni meet 'Annual Alumni Reunion 2020' on 4th Jan 2020 and faculties interacted with alumni.
- Organized convocation ceremony and distributed degree certificates to previous year pass-out students on 11th Jan 2020.
- Conducted FDP Seminar on 'Intellectual Property Rights' by expert Dr. Prashant S. Lokhande, PCE Panel on 18 Jan 2020.



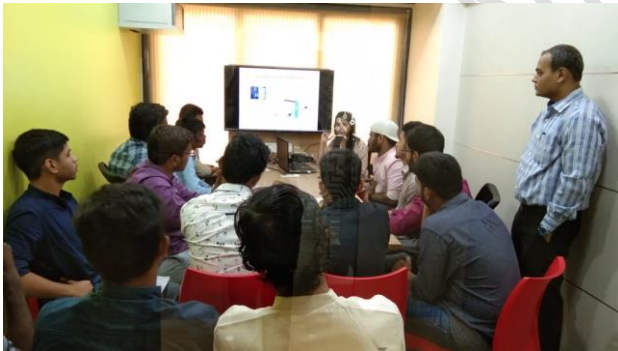
- Faculties interacted with Alumni during alumni meet and convocation on 4th Jan and 11th Jan 2020 respectively.
- Conducted SDP training program on Energy Savings for TE students by industry expert Mr Sambhaji Kadam from PCRA on 24 Feb 2020.



- Students of SE and TE attended an awareness session on career opportunities in Indian Navy at SIES GST auditorium on 28 February 2020.
- Department organized and conducted Parents-Teachers Meet wherein faculties interacted with parents and delivered seminars on activities of department and institute on 29 February 2020.



- Conducted industry visit for TE students at Milestone Institute, Thane on 29 February 2020.



- Facilitated BE students to appear for placement preparation tests FNAT and FNCODE in SIES GST from Firstnaukri on 4 March 2020.
- Conducted field visit for BE students to show solar water heating system at SIES Old Age Home, Nerul on 9 March 2020.
- Facilitated students of TE and BE to attend seminar on Digital Marketing by Performics Convonix in SIES GST auditorium on 13 March 2020.
- Conducted industry visit under ISHRAE for SE, TE and BE students at Mitsubishi Electric India Pvt. Ltd., Andheri on 13 March 2020.
- Facilitated TE students to participate in Campus Recruitment Training-CRT from MyPostGrad in SIES GST on 14 March 2020.

8. Seminars/workshops/FDPs attended by department faculty:

- Mechanical department all faculties participated in one-week AICTE-ISTE approved STTP on Application of object oriented programming in mechanical engineering from December 16-21, 2019.
- Dr. Kaustubh Chavan, Prof. Prashant Ambadekar, Prof. Lokpriya Gaikwad and Prof. Prajakta Kane participated in one week FDP on Design Thinking, Innovation and IPR conducted by BVCOE, Belpada, Navi Mumbai from December 9-13 2019.
- Mechanical department all faculties participated in FDP Seminar on ‘Intellectual Property Rights’ by expert Dr. Prashant S. Lokhande, PCE Panvel on 18 Jan 2020.
- Faculties participated in online workshop on How to use Google Meet by Prof. Prasad Iyer SIES GST on 6th April 2020.
- Dr. Rupenda Nehete participated in online workshop on ‘Intellectual Property Rights’ by Pandit Deendayal Petroleum University on 11 April, 2020.
- Faculties participated in IIC online session by AICTE MHRD Innovation Cell in April 2020.
- Prof. Prashant Ambadekar, Ajay Hudiwale and Lokpriya Gaikwad along with students participated in online personality development course by SIES GST from 28-30 April 2020.
- Dr. Pradip Patil participated in webinar on Industrial Automation using AutoSim 200 by SMC Corporation on 15 April, 2020.
- Dr. Rupendra Nehete, Prof. Chandan Chaudhari and Prof. Onkar Potadar participated in webinar on leadership talk by Prof. Anil sahasrabudhe on 20th April 2020.
- Dr. Pradip Patil participated in webinar on Industry 4.0 by SMC Corporation on 22 April, 2020.
- Dr. Pradip Patil participated in webinar on Hydraulics and Pneumatics by SMC Corporation on 29 April, 2020.
- Dr. Pradip Patil participated in webinar on Exam Reforms through OBE by AICTE from 29th April to 2nd May 2020.
- Dr. Pradip Patil participated in webinar cum training on TKsolver by Universal technical Systems on 30th April and 1st May 2020.
- Prof. Prashant Ambadekar participated in webinar on Breathing Techniques for Improving Immunity by Mr. Shrikant Kshirsagar HR-SIES on 8th April, 2020.
- Prof. Prashant Ambadekar, Prof. Ajay Hundiwale and Prof. Lokpriya Gaikwad participated in webinar on Personality development course – Business Psychology by Theia New Consultancy LLP on 28th April 2020.
- Prof. Prashant Ambadekar participated in webinar on Tire Testing – Why we need it and how do it efficiently? by Link Engineering Company on 29th April, 2020.
- Prof. Prajakta Kane participated in webinar in Improving Research planning at technical institutes by Elsevier and VTU Consortium on 29th April 2020.
- Faculties participated in webinar on topic ‘Understanding on E-Content Development’ by Prof. Mandar Bhanushe (Institute of Distance and Open Learning, Mumbai University) organized by SIES Central Training Department on 29 April 2020.
- Prof. Lokpriya Gaikwad and Dr. Kaustubh Chavan participated in webinar on How to improve the citation and write research papers by SVIT Nashik on 1st May 2020.
- Dr. Rupendra Nehete participated in webinar on Higher Education Abroad by Alumni association SIES GST on 3rd May 2020.
- Prof. M. Ali Ansari participated in NPTEL special lecture series webinar on Career in Police Service and Personal by IPS officer Dr. C. Sylendra Babu DGP Railways Tamilnadu on 3rd May, 2020.

- Prof. M. Ali Ansari participated in NPTEL special lecture series webinar on Career in Sports broadcasting by Mr. Radhakrishnan on 5th May, 2020.
- Prof. M. Ali Ansari participated in webinar on How to start UPSC IAS IPS IFS Preparation by PRAYAS India from 2-7 May, 2020.
- Prof. Lokpriya Gaikwad participated in webinar on Project Management by 3V consultant on 4-6 May 2020.
- Prof. Ajay Hundiware participated in webinar on Upcoming Jobs in India: What should students learn now? By Mr. Soumen Majumdar MaTPO on 5th May 2020.
- Prof. Ganesh Kadam participated in webinar and live tour of 3D Printing leading towards Industry 4.0 by BUHER, Chennai on 3rd May, 2020.
- Prof. Ganesh Kadam and Prof. Ajay Hundiware participated in webinar on Heat transfer and fluid flow for a Heat exchanger unit using Ansys Fluent by FCRIT Vashi on 8th May 2020.
- Prof. Onkar Potadar participated in webinar on research, Funding Projects & IPS by KC College, Thane from 7th May to 10th May 2020.
- Dr. Kaustubh Chavan participated in online session on Leadership talk with Prof. Anil D.Sahasrabudhe, AICTE Chairman by AICTE-MHRD-IIC on 9th April 2020.
- Dr. Kaustubh Chavan participated in online session on Leadership talk with Dr. VK Saraswat, Member NITI Aayog.(How Make in India will become more relevant in post-Covid world) by AICTE-MHRD-IIC on 13th April 2020.
- Dr. Kaustubh Chavan participated in online session on Leadership talk with Dr. Anand Deshpande, Founder, Chairman & Managing Director, Persistent Systems Ltd by AICTE-MHRD-IIC on 14th April 2020.
- Dr. Kaustubh Chavan participated in online session on National Innovation and Startup Policy NISP 2019 for Students and Faculty 2019 by Mr. Dipan Sahu,National Coordinator-IIC, ARIIA, NISP Innovation Cell, Ministry of HRD, Govt. of India by AICTE-MHRD-IIC on 28th April 2020.
- Dr. Kaustubh Chavan participated in online session on Accelerator/Incubation - Opportunity for Student Faculty - Early Stage Entrepreneurs Role and Importance of Pre-Incubators, Incubators and Accelerators in HEIs - Harnessing Innovation and Entrepreneurial Potential of Students and Faculties at Early Stage by AICTE-MHRD-IIC on 29th April 2020.
- Dr. Kaustubh Chavan participated in online session on Role of Network Enablers in driving I&E in HEIs - A Case of TiE, India TiE Network and Chapters in India > Role of TIE as Ecosystem Enablers > Services and Collaboration Opportunities with HEIs to Drive I&E Ecosystem by AICTE-MHRD-IIC on 1st May 2020.
- Dr. Kaustubh Chavan participated in online session on Hangout with Successful Startup Founder and Learn on Design thinking Approach for Hardware Innovation Life of a Startup Founder and Myths and take home Messages * Learn Design thinking for Hardware Innovationby AICTE-MHRD-IIC on 4th May 2020.
- Dr. Kaustubh Chavan participated in online session on Entrepreneurship, Business Idea and Business Model Canvas Entrepreneurial Motivation -Empathy and Business Idea -Business Model Canvas by AICTE-MHRD-IIC on 5th May 2020.
- Faculties participated in two days FDP on Online Teaching-Learning Practices and Tools by Computer Engg. Dept. SIES GST on 8-9 May, 2020.

DEPARTMENT OF INFORMATION TECHNOLOGY
Annual Report 2019-20

1. Academic achievements:

Final Year (Sem VII)

- 1st. Zaavde Prajakta Harihar Madhuri-BE (Information Technology)-SGPA 10
2nd. V Sunetra Seshagiri Pushpa-BE (Information Technology)-SGPA 9.62
3rd. Nayak Sara Shashikant Shubhada -BE (Information Technology)-SGPA 9.54

Third Year (Sem V)

- 1st. Nithya Kannan Punitha-TE (Information Technology)-SGPA-9.85
2nd. Rangnekar Adwait Shantaram Anushka -TE (Information Technology)-SGPA9.46
2nd. Zawar Yash Umesh Bharti-TE (Information Technology)-SGPA9.46
3rd. Shetty Akshay Hemanath Sujatha-TE (Information Technology)-SGPA9.38

Second Year (Sem III)

- 1st. Abhinaya Jaikumar - SE (Information Technology)- SGPA 10
1st. Diwan Kadir Nuruddin- SE (Information Technology)- SGPA 10
1st. Shetty Pooja Karunakar- SE (Information Technology)- SGPA 10
1st. Upade Arfah Mubin- SE (Information Technology)- SGPA 10
2nd. Parkar Saarabi Salim - SE (Information Technology)- SGPA 9.88
2nd. Rohit - SE (Information Technology)- SGPA 9.88
3rd. Sawant Aditi Uday- SE (Information Technology)- SGPA 9.85

2. Collaborative/MOUs':

- Department has signed lifetime MoU with Lab Systems on April 20, 2018.
- Department has signed MoU with MicrosoftATS Infotech Pvt. Ltd from Feb, 2017 to Jan,2020.
- Department has signed lifetime MoU with IOT Pro on July 29,2017.
- Department has signed lifetime MoU with 9th Legend Inc. on April 1, 2017.
- Department has signed lifetime MoU with EMTRON on Feb 17, 20, 2018.

3. Department Initiatives:

- IT Department has organized “Ideation’19-Dream for a cause” in collaboration with the Entrepreneurship Development Cell of SIES Graduate School of Technology and in association with NGOs- Blue Ribbon Movement and Child Vision Foundation under IETE Student forum of SIES GST on September 29, 2019. Prof. Leena Ladge and Prof. Varsha Mali have coordinated the event.



- The IETE Students’ Forum in collaboration with the Entrepreneurship Development Cell of SIES Graduate School of Technology, Nerul organized a Boot Camp on Design Thinking and Data Science at the Indian School of Management and Entrepreneurship, One India Bulls, Parel on October 05, 2019.



- IT Department has organized “Projexion- a project competition”, based on IOT, App development for TE and BE students under IETE Student forum of SIES GST on Oct. 22-23,2019. Prof. Leena Ladge, Prof. Bushra S. have co-ordinated the event.



- The IETE Students’ Forum of SIES Graduate School of Technology, Nerul conducted a Seminar “Tech Entrepreneurship Talk”, in August 2019, which was organized by Indian School of Design and Innovation, IETE Students’ Forum and Entrepreneurship Development Cell.



- Dr. K. Lakshmisudha and Prof. Bushra Shaikh undertaken two Android application development projects for Ellipsis Pvt. Ltd. namely
 1. Document Gathering Application
 2. Queue Management Application
- Department has completed the office management system (In house project) guided by Dr. K. Lakshmisudha.
- Department has completed the Landing page project of Lab systems by TE IT students , guided by Dr. K.Lakshmi Sudha and Prof. Stuti Ahuja.

- One-week STTP organized by the department on “DevOps and R Programming” from December 16 - 21 ,2019, coordinated by Prof. Savita Lohiya.



- Department has organized Industrial visit for TE IT students on February 1, 2020, to Reliance Jio Infocom Limited, Mumbai, and Prof. Samundiswary accompanied the students for the industrial visit.
- Alumni interaction session was organized on 4th January 2020 by IT department. Session was conducted by Mr. Karan Kapoor, Mr. Subramani N. Mrs. Pooja Babu.
- Department has organized an Orientation Program on “DevOps Lab” on behalf of University of Mumbai on 4th Jan 2020 at SIES GST, Nerul. Prof Bushra and Prof Mrinal Khadse have coordinated the event.



- IETE Students’ Forum of SIES Graduate School of Technology, Nerul has organized National Level Technical Paper Presentation “TECHXTER 9.0” on February 29, 2020.



- IETE Students’ Forum of SIES Graduate School of Technology, Nerul, conducted a session on Python and Machine Learning on March 7, 2020, for the Students of SE IT.



4. Academic / Technical achievements of students:

- Mr. Gaurav Shetty BE IT student published a paper titles ‘Type II Diabetes Detection using Ensemble of Classifiers’ at IEEE International Conference ICUBEA 2019, Pune
- Mr. Aditya Acharya and Mr. Anandhu Gopi of BE IT students got Certificate of Merit for ‘Best Design’ in “Android Application Development Inter College Competition” on 14th September, 2019 at Fr. Conceicao Rodrigues Institute of Technology, Vashi.
- Mr. Abhirup Kamath, Mr. Karthik Iyer and Mr. Siddesh Menon of BE IT has won the project competition ‘Projexions’ held on 22/10/2019 and 23/10/2019 at SIES GST, Nerul.
- Mr. Altaf A, Mr. Chirag B and Mr. Abhilash N of TE IT have won the first prize in project competition ‘Projexion2.0’(IOT) held on 22/10/2019 at SIES GST, Nerul.

- Ms. Nithya K, Mr. Rahul M and Ms. Avantika P of TE IT participated research project “Cleansweep- The cleaning Bot” and selected for final round of Avishkar 2019-20 on Dec 21, 2019.



- Mr. Abhirup Kamath , Mr. 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 20th December 2019.
- Mr. C. Nimish, K. Mr. Bansal and Mr. B. Mitesh has 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.
- Mr. Mithil of SE IT and team qualified for BU4EVER Rank 70, ICPC regionals at Amritapuri and Gwalier.
- Mr. Mithil of SE IT and team won the SIH Internal Hackathon software category.
- Mr. 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 Mr.Nair Ashwin presented a paper on “Smart Car Parking System using Wireless Sensor Networks” with Prof. Saritha L. R. and Prof. Leena Ladge in 4th International Conference on Inventive Systems and Control on 8 – 10 January 2020 at Coimbatore, India.
- Mr. Ajinkya Hundiwale and Mr. Shreyas Mujumdar has presented a paper on “Voice Control Car using Machine Learning” with Prof. Saritha L. R. in 6th International Conference on Technology and Information Management on 11th January 2020 at K. J. Somaiya Institute of Management Studies and Research, Mumbai.
- Mr. Akhil N, Mr. Rushikesh S, Mr. Kush S and Mr. Sunil P won the 2nd prize in SPIT Hackthon 2020 held on Feb 01-02, 2020.



- Mr. Vivek Iyer and Mr. Karthik Mudaliar from BE IT have completed a consultancy project on “Document Management and Version Control System” for ELCA Laboratories using Laravel and python. They have established a new partnership firm named Allogsec. They have also set up a new commercial website for their startup and hosted it live in Laravel platform.
- Ms. Abhinaya Pillai from TE IT published paper titled “Implementation of RFID Systems for various applications and its performance parameters” in conference Equinox 20, at Terna Engineering College, Nerul, Navi Mumbai, on March 18, 2020.
- Mr. Shreyas Mujumdar, Mr. Ajinkya, Mr. Ganesh presented paper titled “A Machine Learning Based Adult Content Detection Using Support Vector Machine” for INDIACom - 2020; International Conference on Computing for Sustainable Global Development, technically sponsored by IEEE Delhi Section, scheduled to be held during 13th March, 2020 at Bharati Vidyapeeth, New Delhi (INDIA).
- Mr. Biren Arora, Ms. Nimisha Bhagat, Ms. Sonali Arcot of BE IT presented a paper on "Rice Grain Classification using Image Processing & Machine Learning Techniques", IEEE 5th International Conference on Inventive Computation Technologies (ICICT-2020) Scopus Indexed Scopus ID: 21100793693, 26-28 February 2020.
- Ms. Pushpa and Saravana T of TE IT Conducted workshop for SE IT students on "Python Basics and Machine Learning with Python” on March 07, 2020.
- Mr. Karthikeya Thanapal of BE IT secured 2nd prize in NIFT Intercollege Group Dance Competition 2020 and participated in Internal Hackathon of SIH 2020.
- Mr. Sabestin Nadar BE IT participated in CISCO ISTE CODATHON 2020 (Level-1) on March 30, 2020.
- Mr. Kadir, Mr. Mithil, Mr. Bharath, Mr. Krithik, Mr. Rohan and Mr. Srijani of SE IT won 1st prize in selection round of SIES GST for Smart India Hackathon 2020 in software category.

- Mr. Ritik won the volleyball intercollegiate tournament held at Seth GS medical College.
- Ms. Avantika Pawar, Ms. Nithya Kannan, Mr. Rahul Ganesh TE-IT, Winner/First prize in Saraswati college's Technovation 2.0 National level technical poster presentation competition, held on 9th April, 2020.
- Ms. Megha K. of TE IT has raised the funds for food supply in Bright Future (NGO) in the month of April.
- Mr. YashZawar of TE IT has conducted one webinar with the head of his village(Balad BK in Jalgaon) on May 3, 2020 and talked about the covid-19 virus and told them about the situation in Mumbai and suggested some preventative measures.

5. Cultural / Sports achievements:

- Mr. Abhishek Avadhani of BE IT has secured Third Rank in Western Vocal Solo event at 52nd Inter-Collegiate Cultural Youth Festival organized at S.I.E.S. College of arts , Science and commerce, Nerul Navi Mumbai on august 9,2019 for Zone II (Mumbai II).
- Mr. Sainiranjana Sharma BE IT student won prize in Western instrumental Consolation at Youth festival organized by University of Mumbai in August-September 2019.
- Ms. Arfah Upade TE IT student won 1st prize in Debate group B 1st prize at Youth festival organized by University of Mumbai in August-September 2019.
- Mr. Yasin Ansari of BE IT has secured Seventh place in inter collegiate sports and tournaments in the discipline of Taekwondo at Mumbai University in the year 2019-20.



Sports-Taekwondo championship

- Ms.Arfaq Upade conducted PROMETHON an event conducted for the entire FE on 31st January 2020.

6. Faculty achievements/Research grants:

- Dr. K. Lakshmisudha and Ms. Bushra Shaikh undertaken two Android application development projects for Ellipsis Pvt. Ltd. namely
 1. Document Gathering Application
 2. Queue Management Application
- Prof. Savita Lohiya, Published paper in IEEE Conference on Advances in computing, Communication and Control at Father Agnel college of Engineering Bandra on 20th December 2019.
- Prof. Bushra Shaikh has 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.
- Prof. Seema Redekar, Prof. Stuti Ahuja Conducted session in STTP on Devops and R Programming at SIES GST from December 16- 21, 2019.
- Prof. Ms. Seema Redekar, Prof. Stuti Ahuja published paper on IOT based system for driver drowsiness" in JICR Journal oct19.
- Prof. Leena Ladge has conducted Student Development Program on Internet of Things using Intel Galileo board, Dec 11-13, 2019.
- Dr. K. Lakshmisudha along with students completed the "Office Management system (In house project).
- One Industry live project (Landing page) completed by TE IT students- for Lab Systems Pvt. Ltd guided by Prof. Stuti Ahuja and Dr. K. Lakshmisudha.
- Prof. Leena Ladge guided the research project " Cleansweep- The cleaning Bot" presented and then selected for final round of Avishkar 2019-20 on Dec 21, 2019.
- Prof. Leena V. Ladge conducted session in STTP on Internet of Things, at Terna Engineering College, Nerul on Jan 02, 2020.
- Prof. Leena V Ladge presented a paper on "Smart Car Parking System using Wireless Sensor Networks" in 4th International Conference on Inventive Systems and Control on 8 – 10 January 2020 at Coimbatore, India.
- Prof. Saritha L. R. and Prof. Leena Ladge along with the students Ms. Sara Nayak, Ms. Reethika Renganathan and Mr. Ashwin Nair presented a paper on "Smart Car Parking System using Wireless Sensor Networks" in 4th IEEE International Conference on Inventive Systems and Control on 8 – 10 January 2020 at Coimbatore, India.
- Prof. Saritha L. R. with students Mr. Ajinkya Hundiwale and Mr. Shreyas Mujumdar presented a paper on "Voice Control Car using Machine Learning" in 6th IEEE International Conference on

Technology and Information Management on 11th January 2020 at K. J. Somaiya Institute of Management Studies and Research, Mumbai.

- Prof. Leena Ladgehas conducted the meeting for syllabus setting as a course chairperson for COA and Microprocessor lab subjects on behalf of UoM on March 13, 2020 at SIESGST, NERUL.
- Dr. K.Lakshmisudha has attended the syllabus revision meeting for the course of Principles of communication for SE IT-III Sem(Rev 2019) held at Terna Engineering college on behalf of UoM on March 11,2020.
- Prof. Bushra S. has attended the syllabus revision meeting for the courses operating system and unix lab of SE-BE IT SEM IV (Rev 2019 'C' scheme) held at KJSIEIT, Sion, on behalf of UoM on March 11, 2020.
- Prof. Mrinal K. has attended the syllabus revision meeting for the course of paradigm and computer programming fundamentals for SE-IT - III sem Rev 2019 'C' scheme) held at Vidyalankar Institute of Technology on behalf of UoM on March 13,2020.
- Prof. Seema Redekar and Dr. K.Lakshmisudha have received the minor research grant of Rs 25,000/ from UoM for their project titled “Voice Based Heart Rate Monitoring System” for the academic year 2019-20.
- Prof. Savita Lohiya and Prof. Leena Ladge have received the minor research grant of Rs 30,000/ from UoM for their project titled “Predicting Parkinson’s Disease” for the academic year 2019-20.

7. Seminars/workshops organised by departments:

- Dr. Lakshmisudha has conducted workshop on “Enterprise Network Design using L2 andL3 switch” for BE-IT students on 26/08/19.
- Dr. Vijay Katkar conducted workshop on “Bootstrap Framework” (31/07/19-06/08/19) for IETE students.
- Dr. K. Lakshmisudha has conducted 40 hours Student Development Program on “ CCNA-Routing and Switching” for SE/TE/BE students from 27-06-2019 to 31-08-2019.
- Dr. Vijay Katkar conducted 60 hours Student Development Program on “Advanced Web Technologies” for SE/TE-IT students from June to September 2019.

- Prof. Savita Lohiya organized expert talk on “Artificial Intelligence “by Ms. Sneha Krishna, Software Engineer, Xorient Solutions Pvt.Ltd. for BE-IT students on 21/09/19.



- Prof. Mrinal Khadse and Prof. Bushra Shaikh organized expert talk on “Designing Java Applications with Database Connectivity “ by Ms. Siddhesh Sawant , Software Developer, Newgen Software Technologies for SE-IT students on 24/09/19.
- Dr. Vijay Katkar organized expert talk on “Web Security “ by Mr. Abhishek Datkhile, free lance security person, for BE-IT students on 13/09/19.
- Dr. Vijay Katkar and Prof. Seema Redekar has organized expert talk on "Angular JS and NoSQL" for TE-IT students by Mr. Siddhesh Karadikar on 05/10/2019.



- Prof. Leena Ladge organized expert talk on "Industrial IoT", by Mr. Harish Chandar, Founder/Director INDIATECH Pvt. / Ltd. On 10/10/2019.
- Prof. Amit Pandhare organized expert talk on “Career Enlighten on Networking and Cyber Security by Mr. Mohammad Junaid for BE-IT students on 14/10/19.

- Prof. Leena Ladge conducted Student Development Program on Internet of Things using Intel Galileo board, Dec 11-13, 2019.

8. Seminars/workshops attended by department faculty:

- Prof. Vijay Katkar has attended Orientation Program for the subject Infrastructure Security(Sem-VII) at Thadomal Sahani Engineering College, Bandra.
- Prof. Amit Pandhare has attended Orientation Program for the subject Enterprise Design Network (Sem-VII) at K.J.Somaiya Institute of Engineering and Information Technology Sion(E), Mumbai.
- Prof. Savita Lohiya has attended Orientation Program for the subject Artificial Intelligence (Sem-VII) at Vidyalankar Institute of Technology, Vadala.
- Prof. Bushra Shaikh has attended Orientation Program for the subject Mobile Application Development (Sem-VII) at FCRIT, Vashi.
- Prof. Varsha Mali was attended TEQIP-III Sponsored One-Week Short Term Training Programme on 'Deep Learning Applications' at S. V. National Institute of Technology, Surat, Gujrat
- Dr. Vijay Katkar was resource person for ISTE-GUJCOST sponsored one week STTP on “Deep Learning – Practical Approach” at C.G. Patel Institute of Technology, Gujrat.
- Prof. Varsha Mali was resource person for ISTE-GUJCOST sponsored one week STTP on “Deep Learning – Practical Approach” at C.G. Patel Institute of Technology, Gujrat.
- Prof. Varsha Mali has attended Faculty Development on “Experimental Learning, Automation, Machine Learning and Business Ethics on 19/08/19 at TCS Yantra Park Thane.
- Prof. Leena Ladge, Prof. Mrinal Khadse, Prof. Savita Lohiya and Prof. Seema Redekar attended one day Workshop on “Linux”, conducted by the Teaching Learning Centre (ICT) coordinated by IIT Bombay on 23/08/19.
- Prof. Seema Redekar attended one day Workshop on “R-programming”, conducted by the Teaching Learning Centre (ICT) coordinated by IIT Bombay on 09/11/2019.
- Prof. Leena V. Ladge conducted session in STTP on Internet of Things, at Terna Engineering College, Nerul on Jan 02, 2020.
- Prof. Bushra and Prof. Mrinal Khadse has organized an Orientation Program on “DevOps Lab” on 4th Jan 2020 at SIES GST, Nerul.
- Prof. Savita Lohiya has attended Orientation Program for the subject “User interaction design” at Thadomal college of Engineering on 06 January, 2020
- Prof. Saritha has attended Orientation Program for the subject “Internet of Everything” at Terna college of Engineering on 10 January, 2020

- Prof. Stuti Ahuja has attended Orientation Program for the subject “R Programming Lab” at VESIT on 07 January, 2020
- Prof. Amit Pandhare has attended Orientation Program for the subject “Big data Analytics” on 08 January, 2020
- Prof. Leena Ladge has attended Orientation Program for the subject “Enterprise resource planning” at Terna college of Engineering on 10 January, 2020.
- Prof. Bushra has attended an Orientation Program on “DevOps Lab” on 4th, Jan 2020 at SIES GST, Nerul.
- Prof. Mrinal Khadse has attended an Orientation Program on “DevOps Lab” on 4th Jan 2020 at SIES GST, Nerul.
- Dr. K. Lakshmisudha has attended online workshop on “Examination Reforms” organised by AICTE from April 29- May 2, 2020.
- Dr. K. Lakshmisudha has completed Three weeks 8 credit course on “WhatsApp Outcome based Education Faculty Development Program” from March 24 to April 14, 2020 organized by D Y Patil College of Engineering, Akurdi.
- Dr. K. Lakshmisudha has attended training for “Online lecture taking / Conferencing and lecture recording features of Google Meet”, by Prof. Prasad Iyer, on April 07, 2020.
- Dr. K. Lakshmisudha has attended workshop on Intellectual Property Rights - Session 2 on Apr 11, 2020.
- Dr. K. Lakshmi Sudha has attended webinar on “Fundamental of Outcome Based Education” on April 11, 2020 conducted by Mr. Ajay Bhagwat and organized by SIES Central Training Department.
- Prof. Leena Ladge has attended training for “Online lecture taking / Conferencing and lecture recording features of Google Meet”, by Prof. Prasad Iyer, on April 07, 2020.
- Prof. Leena Ladge has attended training through ZOOM on “Breathing Techniques for Improving Immunity”, by Shrikant Kshirsagar, Co-Founder Yoga Sanjeevani, on April 08, 2020.
- Prof. Leena Ladge has attended webinar on “Outcome Based Education”, by Mr. Ajay Bhagwat, Inpods India Pvt. Ltd., organised by IQAC SIESASCS, Nerul on April 11, 2020.
- Prof. Leena Ladge has attended webinar on “E-Content Development”, by Prof. Mandar Bhanushe, organised by IQAC SCCE, on April 29, 2020.
- Prof. Mrinal Khadse has attended training session on “Online lecture taking / Conferencing and lecture recording features of Google Meet”, by Prof. Prasad Iyer on April 07, 2020.
- Prof. Mrinal Khadse has attended online training on health management ,”Breathing techniques for improving immunity” by Mr. Shrikant Kshirsagar, Co-Founder Yoga Sanjeevani, on 09/04/20.

- Prof. Mrinal Khadse has attended webinar on Outcomes-based Education by Mr. Ajay Bhagwat, Inpods India Pvt. Ltd., organised by IQAC SIESASCS, Nerul, on 11/04/2020.
- Prof. Mrinal Khadse has attended webinar on “Cloud Computing with Amazon Web Services “on 21/04/2020 and 22/04/2020.
- Prof. Mrinal Khadse has attended webinar on Rise of AI and Machines: How to start a career in the emerging post Covid Digital World? by Mr. Ganesh Sankaralingam on 26/04/2020.
- Prof. Mrinal Khadse has attended Webinar on "EContent Development" by Prof Mandar Bhanushe, organised by IQAC SCCE, on 29/04/2020.
- Prof. Savita Lohiya has attended a webinar on New Emerging Trends and Technologies by VIT Mumbai on 20, 21 and 22nd April 2020.
- Prof. Savita Lohiya has participated in Quiz on Basic computer and IT skill conducted by Shree LR Tiwari College of Engineering., Mira road.
- Prof. Seema R. done online LaTeX training organized at S. B. Patil College of Engineering with course material provided by the Spoken Tutorial Project, IIT Bombay from 25 Apr.2020 to 1 May 2020.
- Prof. Seema R. attended an online session on Google Meet Overview by Prof. Prasad Iyer- on April 7, 2020.
- Prof. Seema R. attended an online session on “Breathing techniques to improve immunity” by Mr. Shrikant K shirsagar on 08/04/2020,
- Prof. Seema R. attended Leadership Talk by Dr Abhay Jere on 09/04/2020, IQAC Webinar on "Outcome - based Education" on 11/04/2020.
- Prof. Seema R. attended Webinar on "Understanding on E-content Development"organised by IQAC SCCE, on 29/04/2020.
- Prof. Stuti Ahuja has attended the National workshop on “Fine Tuning Research Planning using Elsevier Tools" on 25th April, 2020.
- Prof. Stuti Ahuja has attended webinar on “Fundamental of Outcome Based Education” on April 11, 2020 conducted by Mr. Ajay Bhagwat and organized by SIES Central Training Department.
- Prof. Stuti has attended webinar on “E-content development” organized by SIES Central Training Department organised by IQAC SCCE on 29/04/2020.
- Prof. Bushra Shaikh has attended an online session on Google Meet Overview by Prof.Prasad Iyer- April 7, 2020.
- Prof. Amit P. attended webinar on “Fundamental of Outcome Based Education” on April 11, 2020 conducted by Mr. Ajay Bhagwat and organized by SIES Central Training Department, an online session on Google Meet Overview by Prof.Prasad Iyer- April 7, 2020.

- Prof. Saritha L.R has attended Webinar on "E Content Development" by Prof Mandar Bhanushe, organised by IQAC SCCE on 29/04/2020.
- Prof. Saritha L.R has attended webinar on Towards Explainable AI by Prof Vineeth N B. IIT Hyderabad. 22/4/2020,
- Prof. Saritha L.R has attended an online session on Google Meet Overview by Prof. Prasad Iyer on April 7, 2020.
- Prof. Saritha L.R has attended a training through ZOOM on “Breathing Techniques for Improving Immunity”, by Shrikant Kshirsagar, Co-Founder Yoga Sanjeevani, on April 08, 2020.
- Prof. Samundiswary S attended DSA webinar-IQAC WEBINAR on Outcomes-based education on Apr 11, 2020,
- Prof. Samundiswary S has attended NPTEL special lecture series week 2- Towards explainable AI on April 22, 2020. .
- Prof. Teja Dhanawade has attended webinar session on the topic Understanding Sampling Methodology and Challenges with Data (3rd April 2020).

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DEPARTMENT OF HUMANITIES AND APPLIED SCIENCES

Annual Report 2019-2020

1. Academic Achievements:

- FE Sem I: Overall Pass Percentage - 80.77%
- Number of students who scored SGPA 9 and above - 47
- **Top Rank Holders:** Three students secured perfect score of SGPA 10

Sruthi Pankajakshan - SGPA 10

Bhoir Prajyot Pramod - SGPA 10

Joshi Gaurang Ninad – SGPA 10

2. Department Initiatives:

Various initiatives were taken by the Department of Humanities & Applied Sciences to enhance knowledge and skills of the students, through various activities conducted throughout the year. The initiatives undertaken by the department, during AY 2019-20 are listed below:

- A seminar on **Universal Human Values** was organized by H & AS department on Mar 11, 2020 for FE students with the main aim to promote values and to nurture culture that facilitates academic atmosphere and competency development among the students. The session was conducted by Swamiji Sauri Chaitanya Das Prabhu, ISKCON volunteer on “**Positive Thinking and Conflict Resolution**”. He enlightened the students with his thought provoking ideas. Swamiji explained the power of positive thinking and various ways for conflict resolutions. The session was lively, with great enthusiastic involvement of all students.



- Poster Presentation Competition exclusively for FE "**Promethean: An Engineer's solution to Environmental Problems**" was held during 3 Jan – 31 Jan 2020, where students were exposed to contemporary environmental problems, while they came up with innovative ideas and Engineering solutions to combat the crisis. First year students were guided by the Promethean volunteers, before the event, through a series of Workshops on various aspects of presentation.



- **Five days FE induction program** (7 Aug – 13 Aug, 2019), organised by the Department of Humanities and Applied Sciences, started with a **traditional orientation session** on the first day. Dr. P.V. Parameshwaran, Advisor, SIESGST, Dr. Atul Kemkar, I/C Principal, Dr. Manasi Karkare, Dean of First Year Engineering and the Heads of all departments addressed the students and briefed all students of the rules and regulations of

the institute. On day 2, students attended a **Universal Human Value session** on “Interpersonal relationship” by expert speaker, Ms. Vaidehi Chattrre, a corporate lawyer associated with Chinmaya trust. Activities like **resume building workshop**, LinkedIn and github sessions were organised for the students by the technical team of SIES-GST. Other activities like **Yoga, Self defence** and Physical activity session were also conducted by the experts. On day 3, students attended **Disaster Management workshop** by an expert team. Day 4 activities were conducted by **student council team** with a student council orientation. Various sessions on cultural, creative, literary, media, sports, design, and robotics were organised throughout the day. On the final day, Speaker sessions (**Block Chain**: Mr. Vikash Kumar, **Technical games**: Mr. Vivek) by the experts and our college Alumni (Mr. Ashok) were organised to educate the students on the latest technologies. It ended with a feedback session of the students. The entire event was successful and the students enjoyed all activities thoroughly.



Hon. Advisor addressing students



Seminar on Interpersonal Skills

Resume Building Workshop

First Aid Session



3. Academic /Technical Achievements of Students:

(i) **Academic Achievements:**

In continuation with the academic excellence, **3 students achieved SGPA 10** in Sem-I.

- Sruthi Pankajakshan - SGPA 10
- Bhoir Prajyot Pramod - SGPA 10
- Joshi Gaurang Ninad – SGPA 10

(ii) **Technical Achievements:**

WINNERS OF PROMETHEAN 2020

POSITION	NAMES	TOPIC
I Prize	K Gauri Kaushik Shridhar Manish R V Karthikeyan Nipun Manghi	Forest Fires Reduction Techniques
II Prize	Manas Mendon Pradyumn Joshi Anvesh Lokhande Vignesh Marlas Deep Bhanushali	Saving Marine Life From Extinction
III Prize	Hiten Sharma Dinesh Nadar Khush Patil Anurag Nala	Alternatives To Conventional Housing
III Prize	Riddhi Kawishwar Vaishnavi Dixit Kashish Singh Riya Singh	Flood Prevention And Resilience Techniques

- Jai Janani Radhakrishnan, FE- IT
 - Secured 86% in National Level **Quiz Competition** on Basics of Engineering Mechanics and Engineering Drawing.
 - Secured 90% in National Level **Quiz Competition** on C- Programming.

4. Cultural / Sports achievements:

- Riddhi Kawishwar and Anirudh Rajaram of Team SIES won **First prize in Fashion show** organized by Sterling College and Amity University.
- Tushar Ninawe, Aaryan Kumbhar, Karthika Devendran and Poonam Vishwakarma, team members of AAGMI (FOLK DANCE CREW) won **Second prize in the Intercollegiate Folk Dance Competition** at NIFT.
- Anushka Tawte, Nipun Manghi, Bhavya Reddy, Karthik Iyer and Sarvesh Vichare of MOKSH (WESTERN DANCE CREW) won **Second prize in the intercollegiate dance competition** at Shah & Anchor Kutchhi Engineering college and NMIMS.
- Sahil Patil, Aniruddha Patil, Melethil Shaheem and Gaurav Suvarna, members of SIES GST **Cricket Team** entered the zonal **Semi-Finals of University Tournament** held by Mumbai University. The team also qualified for the Semi-Finals of inter-collegiate competition held at SFIT. They also participated in various other inter-collegiate tournaments held at Sardar Patel Institute of Technology, Sardar Patel College of Engineering & King Edward Memorial Medical College.
- Anirudh Venugopal, Rohit Gaikwad and Abhishek, members of the **Football Team** of SIES GST, participated in the **University Tournament** by the Mumbai University and entered round-2. They also participated in various inter-collegiate tournaments held at KJ Somaiya, Reliance Foundation Youth Sports School Football, Narsee Monjee Institute of Management Studies, King Edward Memorial Medical College and were **runners up in a tournament** held at Veermata Jijabai Technological Institute.
- Subhankar Kesharwani and Shubham Joshi, members of our **Athletics Team** participated in the **Mumbai University Tournament**.
- Vishal Naregal, Siddharth Jadhav, Subhankar Kesharwani and Himesh Gawde, members of our **Volleyball Team** participated in various **Inter-collegiate tournaments** organized by K J Somaiya, Sardar Patel Institute of Technology, NCRD's Sterling Institute, Veermata Jijabai Technological Institute & King Edward Memorial Medical College; out of which they bagged the **First prize at King Edward Memorial Medical College**.

5. Faculty achievements/Research Grants

- **Dr. Manasi Karkare** - UGC-MRP (Minor research Project) sanctioned by the University of Mumbai for a grant of Rs. 60,000/- (Apr 2020).
- **Dr. Geetanjali Mishra** - UGC-MRP sanctioned by the University of Mumbai for a grant of Rs. 20,000/- (Apr 2020).
- **Ms. Vijaya Patil** - Research article accepted for Springer conference ICIMA 2020, DJ Sanghavi, Mumbai (Jan 2020).
- **Dr. G. Kanthimathi** - Presented a Research paper for conference held in Thakur College of Engineering and Technology, Mumbai (Jan 2020).
- **Dr. Smitha Kumar and Dr. G. Kanthimathi** - Presented Poster at Mumbai University for the UGC - Minor Research Project sanctioned for 2018-19 on 16 December 2019.
- **Prof. Pratibha Sharma** - Completed two months NPTEL online course on LaTeX from 24/09/2019 to 02/12/2019.
- **Mr. Ashwin Chavan** - Completed NPTEL course on “LaTeX for Students, Engineers, and Scientists” with 100% score during 24/09/2019 - 02/12/2019.
- **Ms. Vijaya Patil** - Published a paper entitled “Experimental Investigation of Optimum Sheet Metal Blanking Clearance for IS2062 HR steel Using ANN”, : 9th Annual Information Technology, Electromechanical Engineering and Microelectronics Conference (IEMECON), 13-15 March 2019 and got published in IEEE Xplore digital library effective 21-10-2019.

6. Seminars/workshops organised by departments:

- **Parent-Teacher’s meet (PTM)** was organised on 29.02.2020 to update the parents of the progress of FE students and invite suggestions/feedback from all parents. Interaction of parents with faculty members was arranged division wise in different classrooms. During the interaction, College Mission & Vision were displayed in all Classrooms. Feedback forms were distributed among the parents and the department received good feedback about the college and faculty members.
- **PTM**, a regular event at SIES GST, to engage parents in the teaching-learning process, was conducted on 05.10.2019 for FE students where more than 100 parents attended the meeting. The parents met the subject teachers, Class In-charges and respective mentors of their ward. During the interaction the attendance, UT-I marks and the progress of their ward were discussed. An undertaking was taken from the parents, for those students who had less than 75% attendance. The parents communicated their feedback through feedback forms and they gave good feedback about the college and faculty members.
- **Matrix – an Intercollegiate Quiz Competition**, was conducted exclusively for FE students by SIES GST on 28.09.2019 during Cognition Fest. Around 250 students participated in the event and Fr C Rodrigues Institute of Technology, Vashi, won the First prize. SIES GST students bagged the second and third positions.
- A seminar was conducted in collaboration with Industry Institute Interaction Cell of SIESGST on “**Industry Trends & Opportunities**” on 04.10.2019 for all students of First Year Engineering, by Mr. Darshan Nair, Senior Manager, NSDL, Mumbai. Total 88 students attended and availed the relevant information from the seminar.
- Hands-on workshop on “**The use of UBUNTU- Open source Operating System**” for faculties was conducted by Dr. Rizwana Shaikh & Dr. Aparna Bannore, Department of Computer Engineering, SIESGST, on 20th July 2019. 12 faculty members, from Humanities and Applied Sciences attended the workshop.



- A Seminar on “**Employability assessment through AMCAT and its Relevance in the industry**” was organised by H &AS department for all faculty members on 30 July 2019. This seminar was in regard to the Aspiring Minds Computer Adaptive Test (**AMCAT**), conducted on 16/03/2019 by Aspiring Minds for the first year students AY-2018-19. Mr. Ankur Srivastava, from Aspiring Minds, discussed the analysis of the test report with all HODs and faculty members. He explained its relevance in the industry and also advised on how to improve Aptitude ability of the students for enhancing employability skills.

7. Seminars/workshops attended by department faculty:

- All faculty members attended FDP on “**Online Teaching Learning Practices and Tools**” conducted by Computer Engineering Department, SIESGST on May 8 & 9, 2020.
- All faculty members attended Webinar on “**Understanding on E Content development**” on 29.04.2020 by Dr. Mandar Bhaushe, organized by SIES COM.
- All faculty members attended “**Training on Google meet for conducting online lecture**” by Mr. Prasad Iyer, SIES GST on 07.04.2020.
- Dr. Manasi Karkare and Mr. Mahesh Biradar attended a five days online workshop on “**Universal Human Values in Education**” conducted by AICTE during 13-17 May, 2020.
- Dr. Manasi Karkare & Dr. G. Kanthimathi attended **Training on Microsoft team** arranged by SIES CIO Mr. Pankaj Srivastav on 06.04.2020.

- Dr. Manasi Karkare and Dr. G. Kanthimathi attended an **Orientation Program** for revised syllabus 2019 for Engineering Physics I & II on 25.09.2019 at Shah & Anchor Engineering College, Chembur.
- Dr. Smitha Kumar and Dr. Savita Katiyar attended an **Orientation Program** on revised syllabus 2019 of Engineering Chemistry First Year Engineering on 18.09.2019 at Terna Engineering College, Nerul, Navi Mumbai.
- Mr. Ashwin Chavan and Mr. Mahesh Biradar attended an **Orientation Program** for new syllabus of Engineering Mathematics I and II on 21.09.2019 at RAIT, Nerul.
- Most of the faculties attended a seminar on “**Outcome based Education**” by Dr. Abhay S. Wayal, VJTI, Mumbai on 23.12.19 in SIESGST auditorium.

Dr. Manasi Karkare

- One Week FDP on “**Moodle Learning Management system**” organised by Shah and Anchor Kutchhi College of Engineering in association with Spoken Tutorial IIT, Bombay, from 25.04.2020 to 02.05.2020.
- Three weeks Whatsapp FDP on “**Outcome based Education,**” organised by DY Patil college of Engineering, Pimpri-Chinchwad, Pune, from 24.03.2020 to 14.04.2020.

Dr. Ram Kishan Bhise

- One week FDP on “**Moodle Learning and Management System**” from 21.04.2020 to 27.04.2020 organized by SST College of Arts and Science, Ulhasnagar.
- Three days FDP organized by Mumbai University, BMM department of Lala Lajpatrai College of Commerce & Economics & North Storm Academy on **Online College Management and Online Content Creation Tools** during 01.05.2020 & 03.05.2020.
- Completed One Week National Online **FDP on ICT Tools for Effective Teaching Learning**, from 27.04.2020 to 02.05.2020, organized by School of Mathematical Sciences, Swami Ramanand Teerth Marathwada University, Nanded.

- Dr. Smitha Kumar participated in a one week FDP on “**Renewable Energy Sources: A way ahead**” organised by Cummins College of engineering, Nagpur during 15-21 May 2020.
- Ms. Pratibha Sharma being a member of Syllabus Revision Committee of Engineering Mathematics III,IV group C participated in the meeting to **frame the syllabus for the academic year 2020-21** (Mar 2020).
- Dr. Savita Katiyar participated in a Four days online FDP on “**Research, Funding Projects and IPR**” From 07/05/2020 to 10/05/2020 by K.C. College of Engineering and Management Studies and Research, Thane.
- Dr. Savita Katiyar attended “**Online Corona Awareness Quiz Program 2020**” organized by Bharati Vidyapeeth College of Engineering, Navi Mumbai on 30.04.2020.
- Dr. G. Kanthimathi attended a Online Quiz on Awareness of “**Outcome-Based Education Paradigm among Teachers**” organized by Department of Computer Engineering, Tiwari College of Engineering , Thane on 11.05.2020.
- Dr. G. Kanthimathi participated in a Four day Webinar Series on “**Supercapacitors, Solar Cell Devices and Solar Thermal technology**” held from May 11-14, 2020, organized by Department of Physics and Solar Energy Research Center (SERC), RCOEM, Nagpur.
- Dr. G. Kanthimathi attended a FDP seminar on “**Advanced Nanomaterial for Energy and Environment applications**” at K.C. College, Mumbai on 07.12.2019.

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DEPARTMENT OF PRINTING AND PACKAGING TECHNOLOGY

Annual Report 2019-20

1. Academic achievements:

University Rankers:

- 1st. Priyanka Maitra – B.E. Printing & Packaging Technology – CGPI 9.75
- 2nd. Hule Purva – B.E. Printing & Packaging Technology – CGPI 9.53
- 3rd. Shruti Shinde – B.E. Printing & Packaging Technology – CGPI 9.40

2. Collaborative/MOUs':

- ESKO Graphics, Singapore MoU signed for the period between 1st Jan, 2020 to 31st 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).
- M/s Bombay Master Printers' Association (BMPA) has instituted a Rs. 1,00,000/- annual scholarship fund to be given to two Outstanding Girl students from PPT. (Rs. 50,000/- each) (MoU has been signed with BMPA for the same in June-July 2019).

3. Department Initiatives:

- Department of Printing & Packaging Technology hosted the prestigious Idealliance South Asia/India/MENA G7 Expert Certification training from 24 to 26 August, 2019. One faculty Prof. Gaurav Fasate was deputed from the PPT Department.



- An Industrial Visit was organized for Second Year PPT students by the Faculty Mr. Gaurav Fasate to the company Decaltech Pvt. Ltd, Bhiwandi on October 12, 2019. This visit was organized to give an insight to the students about the printing industry and its processes. Around 50 students were present for the visit.
- The SMI Scholarship Annual Scholarship Award (Rs. 3,00,000/-) started by Mr. Ajay Mehta, MD of M/s SMI Coated Products Pvt. in the year 2018 has been given to 12 PPT students on need-cum-merit basis (Rs. 25,000/- each) in the year 2019-20 also.
- Out of 66 students who graduated in 2019, 49 have been placed and 12 are pursuing higher studies.

- 46 final year students from PPT 2020 Batch have been successfully placed by PPT department in 23 Printing & Packaging Companies all around India right from Large FMCGs to converters for 6-month Professional Internship from Jan 2020.
- 5 students underwent 2-month internships at PrintWeek India, Mumbai in Oct-Nov. 2019 for assisting in PrintWeek India Awards 2019.



- Shashank Shejwalkar Scholarship of Rs.15,000/- instituted by Mr. Sagar Shejwalkar (Ex-SIESGST PPT Head) in December 2018 was given to a student with all-round performance in academics and extra-curricular activities in the year 2019-20.
- The PPT Department organised the 10th edition of IMPRESSIONS on February 17, 2020. This Annual Festival organised by the Students of Printing & Packaging Technology Department, from its inception since 2010, is an event for students to give them opportunity to showcase their technical & non-technical skills.



4. Academic / technical achievements of Students:

- 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 Sept. 27, 2019.



- Sriganesh Sankar & Abdul Basit from BE-PPT won the first prize (Rs.25,000/-) in P-Pack 2019 National Level Technical Quiz on Plastics in Packaging held on Sept 28, 2019, which saw 15 teams participating from Mumbai, Roorkee, Chennai, Madurai, Valsad, Aurangabad and Jalgaon.



- TEPT and BEPT students participated in the intercollegiate competition PRINTERA 2020 held at PVG College of Engineering, Pune on Jan 4 & 5, 2020 and won following prizes:
 1. Yashodhan Parab : 1st in photography
 2. Ashwin Deokar : 2nd in print quiz
 3. Sachin Dhavale : 1st in prepress creativity
- Ms. Shruti Belose and Ms. Arti Desai, second year PPT students under the guidance of Prof. Katyayini Shirur have bagged the Dr. A.P.J Abdul Kalam Young Research Fellowship organised by TERRE Policy Centre in June 2020 for the project "Bio-leather: A Flexible Packaging Material as an alternative for Plastics". The fellowship carries monetary benefit of up to Rs. 10,000/-, along with a citation, scroll and a medallion. This project is an effort to produce a flexible packaging material which can have a better moisture and oil repellence along with desirable physical property using Kombucha Scoby – a mixture of micro-organisms. This is an economical way of producing the material using micro-organisms and agricultural/industrial wastes.

5. Cultural achievements of Students:

- Vinay Thakur from B.E PPT won third prize in Clay Modelling at Youth Festival, organized by University of Mumbai on 14 th August, 2019.
- Vinay Thakur from BEPPT secured First prize in Story Writing (District Level) at the 52nd Youth Festival.

6. Faculty achievements/Research Grants:

- Dr. Sandesh Ramteke and Prof. Sagar Waghmare were appointed as Visiting Faculty for M.E Plastic Engineering Program at Institute of Chemical Technology, Matunga, Mumbai from July-Dec 2019.

- Prof. Gaurav Fasate got trained and certified with the prestigious G7 Expert certification in August 2019.



- Prof. Shubhangi Kadu was invited as a Chairperson for National Level Technical paper presentation held on September 27, 2019 at Datta Meghe College of Engineering, Navi Mumbai.
- Prof. Katyayini Shirur supervised and completed the Moisture-Sorption Isotherm analysis for Mondelez at SIES School of Packaging along with Prof. Prasad Iyer between Oct-Dec 2019.
- Prof. Prasad B. Iyer was invited as a Panel Moderator at Sofitel, BKC by PrintWeek India for its Circular Economy Forum on Dec 2, 2019.



7. Faculty Consultancy Projects:

- A consulting testing project (worth approx. Rs. 8000/-) from Dr. Tarana (Terna Dental College) was successfully completed by Dr. Sandesh Ramteke for tensile pull-out testing of implants on teeth samples Nov-Dec.2019.
- A consultancy project (worth approx. Rs. 75,000/-) from Electronics Enterprises (I) Pvt. Ltd. was successfully completed by Prof. Sagar Waghmare & Prof. Prasad Iyer for Designing & 3D Printing machine components between Oct.2019-Jan 2020.

8. Seminars / workshops organised by departments:

- Organized the fifth edition of the highly successful “P-Pack” – National Level Technical Quiz on Plastics in Packaging on Sept 28, 2019, which saw 15 teams participating from Mumbai, Roorkee, Chennai, Madurai, Valsad, Aurangabad and Jalgaon.



- Organised P-Pack Junior for the fifth time in the last 4 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.

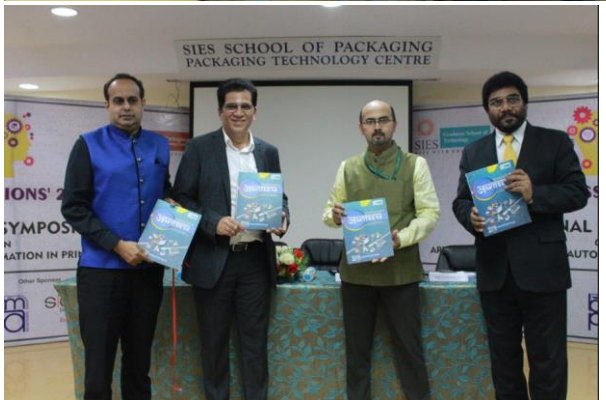


- One-Week AICTE-ISTE approved Short-Term-Training Programme conducted by PPT Department on "Food Packaging & Shelf Life Estimation" between Dec 16 to 21, 2019 attended by 28 participants from Academia and Industry.





- 2nd National Symposium was organised by the Department under Impressions 2020 on Feb 29, 2020. This year the theme was “Artificial Intelligence & Automation in Printing & Packaging”, which included Panel Discussions and Expert Sessions by eminent Industry Personnel from the field of Printing & Packaging Technology.



9. Seminars/workshops attended by department by Department faculty:

- Prof. Prasad B. Iyer participated in Pack-Plus Exhibition on behalf of SIES GST PPT Dept. / SIES SOP in New Delhi from August 28 to 31, 2019 for enhancing Brand visibility and publicity for courses, training, testing & consultancy.
- Prof. Prasad B. Iyer and Prof. Sagar Waghmare attended Indian Plastics Institute, Mumbai Seminar at Andheri along with 6 students on the topics of Latest Generation Masterbatches by Mr. Manoj Ghule from Polmann India Ltd. and Effect of Additives on Structure Development and Properties of Semi-crystalline Polymers by Dr. S. Radhakrishnan, Vice President, IPI in August 2019.
- Prof. Sagar Waghmare along with 5 TEPT students attended the YesGo event on ESKO Design software on Sept. 20, 2019.



- Prof. Prasad B. Iyer and Prof. Sagar Waghmare attended the Design & Innovation seminar conducted at ISDI Parsons, Lower Parel on Oct. 6, 2019.
- Prof. Sagar Waghmare, Prof. Gaurav Fasate and Prof. Prasad B. Iyer attended the Print Innovation Exchange India Summit on Nov. 25, 2019 at Courtyard by Marriott, Mumbai along with 7 students.
- Prof. Prasad B. Iyer attended the Print Week Awards Night on Dec 2, 2019 at Sofitel, BKC.
- Prof. Sagar Waghmare attended the 6 days AICTE-ISTE approved Short-Term Training Programme on “Hands on Modern 3D Modelling and Printing Techniques” at Sardar Patel Institute of Technology, Mumbai from Dec 2 to 7, 2019.



- Dr. Sandesh Ramteke attended one day National Symposium "Cleaner Production & Green Technology" sponsored by IE(I) The Institutions of Engineers (India) South Gujarat Local Chapter on Dec 14, 2019.
- Prof. Prasad B. Iyer attended the orientation session on the Institutional Elective course "Finance Management" conducted by Don Bosco Institute of Technology, Kurla on Jan 22, 2020.



- Prof. Katyayini Shirur, Prof. Shubhangi Kadu and Prof. Gaurav Fasate attended the Print Summit 2020 conducted by the BMPA at Nehru Centre Auditorium, Worli on Jan 23, 2020 along with 17 students.
- All faculty members attended various technical / non-technical webinars including certifications during the period between April & June 2020.

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SIES GST ANNUAL REPORT

DEPARTMENT OF COMPUTER ENGINEERING
Annual Report 2018-19

1. Academic achievements



In Smart India Hackathon 2019 Swarika Bosale, Apurva Mhatre, Ajun Nair, Aakash Nair, Aditya Loke of third year computer engineering won the 8 th position in software category



Students from TE CE Mahadevan Iyer, Ajun Nair, Akhilesh Panicker, Ashutosh Dhondkar were 1st Runner up in Deep Blue project in 2019 conducted by Mastek.



Prof. Rajesh Kadu has completed his Ph.D. from Sant Gadge Baba Amravati University Amravati in the month of May 2019

Ms. Pranita Mahajan took admission to Ph.D. in December 2018 at NIIT, Surat (Gujarat).

Ms. Varsha Patil received Gold certificate with 92% in R and top 5% rank in Machine Learning course, conducted by NPTEL in October '18 examination.

Ms. Pranjali Thakre and Ms. Vaishali Bhujade has cleared Mumbai university PET examination held in Dec 2018.

2. Collaborative/MOUs

- Computer engineering department has signed MoU with Red Hat India Private Limited on 15 October 2018 for one year.



- Department is in process of signing MOU with CADD center, vashi, Navi Mumbai.

3. Department Initiatives

- Final year students project identification for patenting and publications.

- As a part of change of syllabus department has organized orientation program on course “**Cryptography and System Security (CSC604) & System Security Lab (CSL604)**” on behalf of University of Mumbai on 15th January 2019.
- CE department has started conducting workshops/SDPs on various security tools for students of all departments. Two paid workshops namely on “Network security and ethical hacking” from 18 Dec to 22 Dec 2019 and “Ethical hacking” from 2nd Jan to 6th Jan were conducted in collaboration with Unotech Soft Ltd, 9 Th Legend.



- To improve placements and technical skills of students, technical quizzes, aptitude lectures, weekly code chef activities followed by coding competition were conducted.
- Eight faculties have completed training on twelve various courses conducted by NPTEL.
- To increase student’s participation in National level Smart India Hackathon (SIH), a seminar was conducted on 1st Oct 2018.
- To make students competent with industry expectations Seminar on “Industry Expectations from Engineering students” was conducted by our alumni Abhilash Agarwal.

The CSI Student Chapter of SIES Graduate School of Technology organised a national level project competition, INNOVATIONS, on 15th March, 2019. Mr. Aniket Mhala, Global Technology Head– Agile, as the chief guest for the event. Total 45 projects from various domains of engineering were demonstrated.



4. Academic /technical achievements of students

- Two teams, one in software category and one in hardware category has participated in SIH 2018 conducted by AICTE. Software category team secured top 8th position in it.



- Five teams of 20 students have participated in Deep Blue project for the AY 2018-19.
- Three teams of 12 students have participated in Hackathon at K.J. Somaiya, Mumbai conducted in month of February.
- Aditya Kulkarni from BE CE is awarded by Google Certified Associate Android Developer. He

has cleared CCDSAP Foundation Exam.

- Kamleshwar Ragava from BE D represented SIESGST in competition organized by NMMC under disaster management and secured 8th rank and funding of INR 50,000 dated 7th July 2018.



Third year computer engineering students Sayali Patil, Venkatesh A, Suyash J, Shantanu Ghar won first prize Err_404 Hackathon Saboo Siddik College of Engineering

- Aditya Parthasarthy, Winner of Grey Matters 2.0(Online Quiz) Conducted by Reliance during 13th Aug to 11th Sep 2018.
- Rishil Ramesh and Pratik Amin from BE D Completed RED HAT LINUX certification.
- Sanoop Menon from TE C Won Bug4Ever Coding Competition held at SIES GST, Nerul.
- Omkar Prabhu from BE D has Completed Machine Learning Course from Stanford University and Deep learning specialization course under Coursera.
- Final year students Harish B, Aditya Kulkarni, Kamleshwar R participated in Smart India hackathon conducted at Sathyabama Institute of Science and Technology (Deemed to be University) ,Kanchipuram,Tamil Nadu,won the special Special Appreciation from Ministry of Civil Aviation.





- Final year computer engineering students Aditya Kumar, Kartik Rajesh, Rammya Iyer won first prize in national level project competition Electrowiz ,held at Datta Meghe college of Engineering ,Airoli.in April 2019.
- Kumaran P from BE C was nominated for ISTE awards. His project group was shortlisted for final round of ‘Avishkar’, a national level project competition conducted on 2nd Jan2019 at RAIT, Nerul.
- Pritam Negi from BE D Completed ""CS229: Machine Learning"" course offered by Stanford University on Coursera on 12th June2018. He has successfully passed Codechef “Data Structures and Algorithms Programme” Foundation Level certification Exam on 8th July 2018. He has also completed "Neural Networks and Deep Learning" course offered by Deeplearning.ai on courser.
- Two Second year CE Students Senthil T and Siddharth Byale were selected for finals in Anveshna Project competition



- TECE students were selected for finals for SIH 2019 Chinmay Chandak,Arvindraj T,Chetan Ade,Saijayanth,Jhanvi Dubule and Sonal Kuchekar



5. Sports achievements

- Shivshankar Secured 1st position in cricket auction Intra College.

6. Cultural achievement

- Ms. Ritu Rao secured first Runner up position in “Miss Teen Tiara India 2018 in Feb 2018.
- Ms. Ritu Rao also secured first position in “Miss Teen Tiara India 2018 Beauty with Purpose in Feb 2018.

7. Faculty achievements/Research grants

1. Research grants (Minor Research Grant for 17-18)

- Dr. Rizwana Shaikh, and Mrs. Masooda Modak submitted research grant proposal on topic “Fog Computing for Smart Transportation” under area of Internet of Things.
- Mrs. Kalyani Pampattiwar and Anindita K submitted proposal for “Smart Agriculture using Fog Computing”, under area of IoT and Fog Computing.
- Mrs. Pranjali S. Thakre and Ms. Vaishali G. Bhujade have submitted proposal on topic “Smart Wardrobe” using IoT.

- Mrs. Preeti Godbole and Ms. Ujwala Ravale submitted proposal on “Vehicle number plate detection using IOT and deep neural Network”, under area of Internet of Things, Deep Neural Network.
- Prof Aparna Bannore submitted proposal on “Cyber Security for IOT networks”, under area of Internet of Things and Security.
- Ms. Suvarna Chaure and .Prof Aparna Bannore submitted proposal on “Blockchain for IOT security”, under area of Internet of Things and Security.

2. Online Courses

- Dr. Rizwana Shaikh successfully completed course on “Blockchain Architecture Design and Usecases” offered by NPTEL.
- Ms. Varsha Patil honored with Elite certificate in course “Introduction to R software” and secured top 5% rank in “Introduction to Machine Learning” offered by NPTEL
- Ms. Masooda Modak honored with Elite certificate in course “Introduction to Machine Learning” offered by NPTEL
- Ms. Namrata Jiten Patel honored with Elite certificate in course “Introduction to Internet of Things” offered by NPTEL. She has successfully completed online course on Python offered by Udemy.
- Ms. Anindita Khade honored with Elite certificate in courses “Introduction to R software” and “Introduction to Machine Learning” offered by NPTEL
- Ms. Pranjali Thakre honored with Elite certificate in course “Programming, Data Structures and Algorithms using python offered” by NPTEL
- Ms. Vaishali Bhujade honored with Elite certificate in courses “Introduction to R software” and “Problem Solving through Programming in C”. She has successfully completed course in “Programming Data Structures and Algorithms using python” offered by NPTEL
- Ms. Kalyani Pampattiwar has successfully completed 12 week course in “Computer Network and Internet Protocol” offered by NPTEL offered. She has successfully completed online course "[Hacking in Practice: Certified Ethical Hacking MEGA Course](#)" offered by Udemy.
- Ms Kranti Bade has successfully completed online course on Python offered by Udemy.
- Ms. Ujwala Ravale has successfully completed online course "[Hacking in Practice: Certified Ethical Hacking MEGA Course](#)" offered by Udemy.

3. Publications

- Prof. Varsha Patil, Bade Kranti, Yashashree Bendale published paper on “An Optimized use of Smart AirConditioner using Cognitive IOT”, in National Conference on “The Things Services and Applications of Internet of Things”, Gandhi Institute for Education and Technology (GIET) Baniatangi, 23-24 March 2018, pg. 13-19,ISSN: 2321-8363.
- Prof. Preeti Godbole has published paper on "GPU Accelerated Code Optimization: Leaf Disease Detection", in International Research Journal of Advanced Engineering and Science ISSN (Online):

2455-9024 (IRJAES), May 2018.

- Prof. Sunil Kumar Punjabi has published paper on “Audio Stegnography Using genetic Algorithm” in International multidisciplinary e-research journal March 2018 vol 5 issue 1.
- Prof. Aparna Bannore has successfully published a paper on “A COMPREHENSIVE REVIEW OF COMPUTER FORENSICS” in International Journal of Computer Engineering and Applications, Volume XII, Issue VII, July 18, www.ijcea.com ISSN 2321-3469.
- Prof. Pranita Mahajan has successfully published a paper “Aspect based opinion mining of code mix text” in Journal of applied science and computations, Oct 2018.
- Prof. Pranita Mahajan has successfully published a paper “An IOT based system for water quality Monitoring” IEEE, ICNTET Sept 2018.
- Prof. Anindita Khade, Dr. Rizwana Shaikh, Prof. Masooda Modak, Prof. Kalyani Pampattiwar, “ A smart and prognostic approach to park vehicles using IOT”, JASC, Volume V, Issue XII, Dec 2018, DOI: 16.10089/JASC.

8. Seminars/workshops organized by departments

FDP

1. STTP

- Department of Computer Engineering in collaboration with other department has organized Faculty Development Program on “Geoinformatics and Related Open Source Technology” dated 10/01/2019 to 12/01/2019.



- Department of Computer Engineering and Information Technology jointly organized AICTE-ISTE approved Short Term Training Program on “Computer Network and Security” from dated 15/11/2018 to 22/11/2018. Total **34** number of participants have attended this training.



- Department of Computer Engineering organized one day Faculty Development Program on “Networking with LINUX” dated 5/08/2018. Total **33** numbers of participants have attended this training.



2. Workshop

- Department of Computer Engineering organized Workshop for students on “Embedded Systems”,

on dated 21/07/ 2018 under CSI Council. Total 7 students of Computer Engineering department has attended this workshop.



- Department of Computer Engineering organized Workshop for students on “Android Programming”, on dated 04/08/ 2018 under CSI Council. Total 36 students of Computer Engineering department, 18 students of EXTC department, 1 student from Information Technology department and 01 student of PPT has attended this workshop.



- Department of Computer Engineering organized Workshop for students on “PC Assembly”, on dated 11/10/ 2018 under CSI Council. Total 70 students of Second Year from host department were participated for this event.



- One day workshop on KOHA and Library Automation under the National Mission on Education

through ICT, MHRD, New Delhi organized at our remote center on dated 12/10/2018 and Network Administrator was Mr. Saikrishna who also received one day training for conduction of this workshop from IIT Bombay. A total participant for the workshop was 08.



3. Seminar

- Department of Computer Engineering organized Seminar for students on “Code chef Activities”, on dated 14/08/2018, under CSI Council. Total 40 students of Computer Engineering have attended the seminar.



- Department of Computer Engineering organized Seminar for students on “Technical Paper Writing”, on dated 27/07/2018, under CSI Council. 78 students from Computer Engineering department have attended this event.



- Department of Computer Engineering organized Seminar for students on “Industry Expectations from Engineering students”, on dated 1/08/2018, under CSI Council. Total number of participants for this seminar was 121, from Computer Engineering.



- Department of Computer Engineering organized Seminar for students on “Smart India Hackathon”, on dated 1/10/2018, under CSI Council. This seminar was attended by 135 students of Computer Engineering.



4. SDP

- Department of Computer Engineering conducted Student Development Program with Internship on “Ethical Hacking and Security” on dated 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.
- Department of Computer Engineering conducted Student Development Program on “Network Security and Ethical Hacking” on dated 18/12/2018 to 22/12/2018, under Centre of Excellence – e-Security. No. of participants for the event was 19.



- Department of Computer Engineering conducted Student Development Program on “Ethical Hacking and Security” on dated 13/06/2018 to 19/06/2018, under Centre of Excellence – e-Security. Total 9 students attended the event.
- Department of Computer Engineering conducted Student Development Program on “Web Application Security and Ethical Hacking”, on dated 11/06/2018 to 15/06/2018, under Centre of Excellence – e-Security. No. of participants for the event was 22



- Department of Computer Engineering organized “Coding Competition”, for students on dated 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.



- Department of Computer Engineering organized “Android App Development Competition”, for students on dated 07/09/2018 under CSI Council. Total 25 students from Computer engineering department were attended the event.



- Department of Computer Engineering organized “Code chef Activities”, for students on dated 21/09/2018 and 28/09/2018 under CSI Council. Total 42 students of second year Computer Engineering department were attended the event successfully.



- Student Development Program on “GD PI and Role Play” for final year students of CE/EXTC/IT and MECH, on dated 23/08/2018, under Career Development Cell.



5. Internship

- Neha Jagtap completed internship of 3 months in Studyleague It Solutions.
- Sumeet Hande and K. V. Ashish completed internship of 1 week in ExpertsHub.
- Aaditya Gurav completed internship of 1 month in &T InfoTech.
- 3 students completed the Internship of 4 weeks.
- 1 student completed SDP on Machine Learning with R of 4 weeks.
- Aparna Iyer has completed internship of 4 days in Indian Railway.
- 8 students have completed SDP on ANDROID COURSE of 15 days duration.
- Aakash Maji completed 1 month internship at Sahu Technologies.
- Mahadevan N completed AITSPL AI Internship of 10 days.
- Aditya Loke completed AITSPL AI Internship of 3 months.
- Rakshita Iyer completed two weeks internship from L&T.
- Soumya Iyer completed four weeks internship form Trivia Software.

- Arun Nair of BE CE has completed one month internship from TCS dated 11 Jun- 11 Aug 2018.
- Vipul Singh of BE CE has completed five weeks internship from mobicule dated 12 Dec to 16 Jan 2019.
- Uday Nair of BE CE has completed one month internship from Dxc.technology dated 1st Jun to 30th Jun 2018.
- Omkar Prabhu of BE CE has completed six weeks internship from Unotech software Pvt. Ltd. 4th Jun to 13th July 2018.
- Harish B of BE CE has completed one month internship from Denkali dated 10th Dec to 10th Jan.

9. Seminars/workshops attended by departments

- 18 Faculty members of Computer Engineering department attended the AICTE-ISTE approved Short Term Training Program on “Computer Network and Security” on dated 15/11/2018 to 22/11/2018.
- Faculty members were attended one day Faculty Development Program on “Networking with LINUX” on dated 5/08/2018.
- Prof. Varsha Patil, Prof. Masooda Modak, and Prof. Anandita Khade attended Faculty Development Program on “Introduction to Machine Learning” offered by NPTEL.
- Ms. Vaishali Bhujade attended Short Term Training Program on “Blockchain Technology”, organized by KDK college of Engineering, Nagpur from 3/12/18 to 8/12/2018.
- Dr. Rizwana Shaikh, Prof. Rajesh Kadu, Prof. Preeti Godbole, Prof. Masooda Modak and Prof. Kranti Bade attended Faculty Development Program on “Geoinformatics and Related Open Source Technology”, organized by SIES-GST and Osaka City University, Japan on dated 10/01/2019 to 12/01/2019.
- Dr. Rizwana Shaikh, attended Faculty Development Program on “Blockchain Architecture Design and Usecases” offered by NPTEL in October.
- Prof. Namrata Patel has attended Faculty Development Program on “Introduction to Internet of Things” offered by NPTEL.
- Prof. Sunil Panjabi attended the orientation program for TE-CE on subject Software Engineering at K. J. Somaiya Institute of Engineering and Information Technology Sion, on dated 11/01/2019.
- Prof. Masooda Modak and Vaishali Bhujade has attended orientation program for Data Warehouse and Mining at Don Bosco Institute of Technology, Kurla dated 08/01/2019.
- Prof. Prachi Shahane and Prof. Anandita Khade participated in orientation of System Programming and Compiler Construction at RAIT, Nerul dated 09/01/2019.
- Prof. Kalyani Pampattiwar and Prof. Ujwala Ravale have attended orientation of “Cryptography and System Security (CSC604) & System Security Lab (CSL604)” on behalf of University of Mumbai, dated 15/01/2019 at SIES-GST, Nerul.
- Prof. Priyanka Sherkhane have attended orientation program for Enterprise Resource Planning at Shah & Anchor Kutchhi Engineering College, Chembur on 17/01/2019.

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DEPARTMENT OF PRINTING AND PACKAGING TECHNOLOGY

Annual Report 2018-19

1. Academic achievements:

University Rankers:

- 1st. Kishor Kale – B.E. Printing & Packaging Technology – CGPI 9.11
- 2nd. Akshay Adale – B.E. Printing & Packaging Technology – CGPI 9.03
- 3rd. Gwyneth Serrao – B.E. Printing & Packaging Technology – CGPI 8.71

2. Collaborative/MOUs':

- 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.
- ESKO Graphics, Singapore MoU signed for the period between 1st Jan, 2019 to 31st Dec, 2019 for granting latest Softwares and licences for Artios CAD, Deskpack, Studio Designer and Visualizer.
- 4 students underwent 2-month internships at Printweek India, Mumbai in Oct-Nov. 2018 & 2 faculty members visited Mercury Industries Limited in January 2019 for exploring further projects with the company. (5-year MoUs were signed in 2017 with both the above companies).

3. Department Initiatives:

- Department organized 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.



- 66 final year PPT students have been successfully placed by PPT department in 35 Printing & Packaging Companies all around India right from Large FMCGs to converters for 4-6 month Professional Internship from Jan 2019.
- 4 students underwent 2-month internships at Printweek India, Mumbai in Oct-Nov. 2018 for assisting in PrintWeek India Awards 2018.
- Organised P-Pack Junior for the fourth time in 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.



- 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).



- Mr. 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.
- The tea coupons which were being ordered externally have now been designed and printed in PPT Department from December 2018.



4. Academic / technical achievements of students:

- Mr. Sanjeev Srinivasan, student from 2018 PPT batch won the coveted student of the year award 2018, on November 29, 2018 conducted by Printweek India Magazine at St. Regis Hotel, Mumbai. 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, 2018) in last 8 years by PPT students since 2011.



- Shraddha Sanjay Kadam and Nikhitha Narendra Murdeshwar from BEPPT were adjudged winners of PaperMade 2019 contest conducted by Parksons Packaging for designing & prototyping Multi Flavour Ice Cream Dispenser package” in June 2019.



5. Cultural / sports achievements:

- 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.
- 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.
- Jay Pradhan (BE-PPT) won prize in University level debate competition at Youth festival.
- Shraddha Kadam, Niraj Kori, Tejal Jaykar, Saurbh Kurwade, Archana Padwal from BEPPT and Shrushti Patil from TEPPT participated in University Level Marathi Drama in Youth Festival.
- Mansi Gupta from TEPPT participated in English Creative Writing in University Level Youth Festival.
- Akshata Mamadapur T.E PPT participated in Badminton in University Level Youth Festival.
- Shrushti Patil T.E PPT participated in University Level Folk Dance Competition in Youth Festival.

6. Faculty achievements/Research grants:

- Prof. Prasad B. Iyer is an Editorial Board Member of Indian Plastic Institute Journal since January 2019.
- Prof. Prasad B. Iyer was invited for a guest lecture at DoT Institute of graphic Communication on Fundamentals of Packaging on April 6, 2019.
- Prof. Prasad B. Iyer was invited as a speaker on Sustainable Packaging at Huhtamaki Paper Product Ltd. on April 16th, 2019 as part of their “Window to the World” Session.
- Dr. Sandesh Ramteke was invited for a guest lecture at DoT Institute of graphic Communication on Packaging Laws & Regulations in April, 2019.
- A consultancy project taken up with “Mercury Industries Ltd., Ankleshwar”, from September 2017 for by Prof. Prasad B. Iyer and Prof. Gaurav Fasate was successfully completed in April 2019.
- Dr. Sandesh Ramteke and Prof. Sagar Waghmare were appointed as Visiting Faculty for M.E Plastic Engineering Program at Institute of Chemical Technology, Matunga, Mumbai from July-August 2018.

7. Seminars/workshops organised by departments:

- 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. The speakers were Mr. Faheem Agboatwala (Hi-Tech) and Mr. Iqbal Kherodawala from BMPA. 9 PPT students & 2 faculty attended the session.





- 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.



- Second Workshop in collaboration with BMPA (Seekho aur Samjho-New Season) on the topic “How to Handle Chemicals with Probable Hazardous Nature Man and Machine” was organised on October 20, 2018. The speakers were Mr. Nitin Shah (Award Offset) and Mr. Iqbal Kherodawala from BMPA. 11 PPT students & 2 faculty attended the session.



- 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.



- A seminar on “Process Control for Pressroom” was organized on November 22, 2018 in collaboration with Pressman Solutions. 11 PPT students & 2 faculty attended the session.



- 1-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.



- Interactive Session by Alumni for current students on the ReConnect 2018 day (January 5, 2019): Ms. Abhishek Murlidharan, Mr. Chirag Bangera and Ms. Shrutika Gorgaonkar held an interactive session on Higher Studies in Management & Abroad and Identifying one’s own field of interest.



8. Seminars/workshops attended by department faculty:

- Prof. Prasad B. Iyer attended the PrintWeek India Awards Night on Nov 29, 2018 at St. Regis Hotel, Mumbai.
- Dr. Sandesh Ramteke, Prof. Sagar Waghmare and Prof. Gaurav Fasate attended the Print Summit 2018 conducted by the BMPA at Nehru Centre Auditorium, Worli on Jan 17, 2019.
- Prof. Prasad B. Iyer visited the new factory of SMI Coated Products Pvt. Ltd at Ambernath on January 31, 2019 and attended their Silver Jubilee celebrations on February 2, 2019 at ITC Maratha, Mumbai.

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SIES GST ANNUAL REPORT

DEPARTMENT OF MECHANICAL ENGINEERING
Annual Report 2018-19

1. Academic achievements:

- Eleven students have secured admission in MS program, one student secured admission for M.Tech. program and some are in progress.
- Around thirteen students appeared and passed examination conducted by NPTEL.
- Atul Agnihotri from TE Mech ranked amongst top 5% nationally in Robotics at July-October 2018 examination conducted by NPTEL.
- Rohan Shettigar from TE Mech ranked amongst top 2% nationally in Product Design and Development at Jan-Feb 2019 examination conducted by NPTEL.
- Final year students Ajith Ramakrishnan, Dhiraj Gulve and Kautuk Thakur qualified GATE 2019 with scores of 43.96, 38 and 34.15 respectively.

2. Collaborative/MOUs':

- MoU was signed with Metallems Bombay Pvt. Ltd., Thane.
- MoU was signed with Samiri Equipments & Engineers Pvt. Ltd., Thane.
- MoU was signed with Manibhadra Machine tools Pvt. Ltd., Thane.

3. Department Initiatives:

- Department organised industrial visits for the students of SE, TE and BE.
- Department faculties gave special attention towards weaker students to improve results of some difficult subjects.
- Department organised various SDPs for SE, TE and BE students.
- Department faculties visited industries as a part of improving Industry-Academia relations to strengthen industry internship, projects, visits and placement.
- Faculties interacted with parents in Parents-Teachers meet and delivered seminars on activities of department and institute on 16 Feb 2019.

4. Academic/technical achievements of students:

- SAE student team conducted workshop for students of all branches on Welding under SAE students chapter on 28-29 July 2018.
- SAE student team conducted workshop for school children on ATV vehicles under SAE students chapter on 1st September 2018.
- Around twenty five students from SE and TE went for industrial internship in the month of December 2018 after the end-sem exams.
- 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'.
- Ken Claude (BE Mech) presented technical paper in Avalon 2019 National Level Project Competition at Terna Engineering College, Nerul on 5 March and 6 March 2019.

- Dharmraj Ayyapan (BE Mech) and Mauli Mirajkar (TE Mech) secured 1st prize in technical paper presentation in Prodology 2019 at VJTI Mumbai on 29 March and 30 March 2019.

5. Cultural/sports achievements:

- Students of SE, TE and BE participated in various events in TML 2019.
- SAE student team Turbocrafters participated in all-terrain vehicle competition BAJA 2019 at IIT Ropar Punjab during 7 March to 10 March and secured 2nd rank in sales and design, 13th rank in dynamic event, and overall 14th rank at national level.



6. Faculty achievements/Research grants:

- Dr. Pradip conducted a session on NAAC preparation for Mechanical Faculties at AC Patil COE, Kharghar, Navi Mumbai on 18 July 2018.
- Dr. R. S. Nehete was invited as a session chair for Technical paper presentation during international conference at Terna COE on 28 Sept.2018
- Dr. R.S. Nehete, Dr. Pradip Patil and Prof. Prashant Ambadekar presented paper at 4th international conference on engineering confluence held at Terna COE Nerul on 26-28 Sept 2018.
- Dr. Pradip was invited as a session chair for Technical paper presentation at HOC Pillai Polytechnic in Sept. 2018.
- Dr. R. S. Nehete was invited as a session chair for Technical paper presentation competition at Agnel Polytechnic on 29 Sept.2018.

- Prof. Lokpriya Gaikwad, Dr. Kautubh Chavan and Prof. M. Ali Ansari presented at international conference held at Shiksha-o-Anusandan University, Bhubneshwar on 27-30 Sept 2018.
- Prof. Sagar Kadu, Prof. Lokpriya Gaikwad and Prof. Ajay Hundiwale visited two industries- Reshma Organic Chemical, Turbhe and Sunbel Alloys Co. of India Ltd, Turbhe for having prospects on industry-institute interaction on 6th October, 2018.
- Prof. Prajakta Kane visited Fortune Cars Pvt Ltd., Nerul for discussion on industry visit and internship for students on 6th October, 2018.
- Prof. Prashant Ambadekar, Prof. Ganesh Kadam and Prof. Sagar Kadu visited three industries - Samiri Equipments & Engineers Pvt. Ltd., Hindustan Forging and Steel Industries, Manibhadra Machine tools Pvt. Ltd. and Metalemms Bombay Pvt. Ltd. all being in Thane for seeking permission towards industry visits, internships and projects for students on 30th October 2018, Further MoU was successful signed with three industries Samiri Equipments & Engineers Pvt. Ltd., Manibhadra Machine tools Pvt. Ltd. and Metalemms Bombay Pvt. Ltd.
- Dr. Rupendra Nehete published research paper in international journal of benchmarking published by Emerald having scopus indexing in 29th November, 2018.
- Prof. Lokpriya Gaikwad presented paper in national conference NCIETM 2018 at NITIE, Powai during 30 Nov-1 Dec, 2018.
- Prof. Ganesh Kadam and Prof. Swapnil Firake presented paper in international conference Techno-Societal 2018 at SVERI's COE, Pandharpur during 14-15 Dec, 2018.
- Prof. Prashant Ambadekar presented paper in international conference RTIP2R 2018 at Solapur University, Solapur during 21-22 Dec, 2018.
- Prof. Chandan Chaudhari delivered expert lectures in ISTE approved STTP on Application of Computer Aided Engineering Tools in Mechanical Technology from 1 Jan to 5 Jan 2019.
- Prof. Ajay Hundiwale was appointed as visiting faculty for the subject Unit Operations and Processes of M.Sc. course at SIES IIEM.
- Prof. Lokpriya Gaikwad published paper in International Journal Institution of Engineers Series-C (Springer) in Feb 2019.
- Dr. Rupendra Nehete was selected as a reviewer for Opsearch – A journal of Springer publication in the month of Feb 2019.
- Dr. Rupendra Nehete chaired as a judge for Avalon 2019 National Level Project Competition at Terna Engineering College, Nerul on 6 March 2019.
- Prof. Lokpriya Gaikwad published paper in International Journal - South Asian Journal of Marketing and Management Research in March 2019.
- Dr. Pradip Patil presented paper in international conference IEMECON 2019 at Jaipur during 13 March to 15 March 2019.
- Prof. Lokpriya Gaikwad published a chapter Supplier Evolution and Selection in Automobile Industry in book titled Industrial Engineering from Intechopen Publication in May 2019.
- Prof. Lokpriya Gaikwad qualified NPTEL April 2019 exam for the 8 week course on Manufacturing Strategy with Elite Certificate grade.
- Prof. Ganesh Kadam qualified NPTEL April 2019 exam for the 8 week course on Introduction to Machining and Machining Fluids and 4 week course on Inspection and Quality Control in Manufacturing, both with Elite+Silver Certificate grade.
- Prof. Vijaya Chame qualified NPTEL April 2019 exam for the 8 week course on Basics of Finite Element Analysis-I with Elite+Silver Certificate grade.

7. Seminars/workshops/industry visits organised by departments:

- A SDP was organized on Finite element analysis using Ansys for TE students from 18-22 June, 2018.
- A SDP was organized on AutoCAD for SE students from 25-29 June, 2018.
- A SDP was organized on PLC programming for TE students from 25-27 June, 2018.
- An alumni talk was organized on Entrepreneurship by alumni Mr. Akash Agrawal for TE students on 30th July 2018.



- An alumni talk was organized on Future Scope after BE (Career Guidance) by alumni Mr. Amitej Mupliyath for BE students on 31st July 2018.
- A guest lecture was organized on 'Scope of engineer in Solar installation system' by Mr. Vikal Chourasiya for BE Students on 31st July 2018.
- Industry visit was conducted for SE students at Hindustan Forging and Steel Industry Pvt. Ltd., Thane on 6th October, 2018.



- A seminar was organized on 'Energy Scenario and methods of energy conservation' by Mr. Sambhaji Kadam from petroleum conservation research association for SE and BE students on 29th August 2018.



- An expert lecture was organized on ‘State space modeling’ by Dr. S.N. Teli from BVCOE for TE Students on 4th October 2018.



- Industry visit was conducted for TE students at Suwinka Enterprises, Rabale for imparting knowledge on press tools and sheet metal working on 6th October, 2018.



- Industry visit was conducted for TE students at Kansara Bearing, Jodhpur, Rajasthan for imparting knowledge on manufacturing process of roller bearings during 26th Dec 2018 to 1st Jan 2019.



Department organised and conducted one week ISTE approved STTP on Application of Computer Aided Engineering Tools in Mechanical Technology for faculties and industry persons from Jan 1-5, 2019.





- A seminar was conducted on Skill of writing technical paper and reading journal by Dr. Rupendra Nehete and Dr. Pradip Patil for TE students on 14th January 2020.



- A seminar was organized on 'Energy Scenario and methods of energy conservation' by Mr. Sambhaji Kadam from PCRA for TE students on 16th January 2020.



- A SDP was organised on ANSYS for SE and TE Students by industry expert Mr. Amit Gunjali from Milestone on 30 Jan 2019.
- Industry visit was conducted under ISHRAE for SE, TE and BE students on 14 Feb 2019 at Auro Engineering, Andheri.



- Industry visit was conducted under ISHRAE for SE, TE and BE students on 22 Feb 2019 at Mitsubishi Electric India Pvt Ltd., Andheri.



- A field visit was conducted for BE students to show solar thermal system on 30 Jan and 1 Feb 2019 at SIES old age home, Nerul.
- An alumni talk was organized on Importance of selection of BE project by alumni Mr. Sachin Desai for TE students on 8 Jan 2019.



- An alumni talk was organized on importance of aptitude towards job placement by alumni Mr. Aditya Patil for TE students on 17 Jan 2019.



- A SDP was conducted on Energy Conservation, Management, Energy Audit for BE students by Dr.Santosh Dalavi from PCRA on 5 March, 2019.
- A SDP was conducted on Soft Skills for SE students by Prof. Seema Khan from H&AS Dept. on 18 March, 2019.



- A field visit was conducted field for BE students to show biogas plant on 18 March 2019 at RAIT, Nerul.
- A SDP was conducted on ‘Whats Next? Life after B.E.’ for BE students by Mr.Ainain Shahidi from SIES SOP on 26 March, 2019.
- Industry visit was conducted for BE students on 2 April 2019 at Warana Dairy, Shirvane MIDC, Nerul.
- Industry visit was conducted for TE students on 3 April 2019 at Warana Dairy, Shirvane MIDC, Nerul.
- In-house poster presentation based on final year projects was organised for BE students on 5 April, 2019.

8. Seminars/workshops/FDPs attended by department faculty:

- Mechanical department all faculties participated in ISTE approved one week STTP on ‘Application of Computer Aided Engineering Tools in Mechanical Technology’ from Jan 1-5, 2019.
- Dr.Rupendra Nehete attended seminar on Oil and Natural Gas – An Awareness Program by Mr. Vasant Mestry under IIIIE, Belapur on 19 Feb, 2019.
- Lab assistant Pravin Virkar participated in one day workshop on Moodle Learning Management System conducted by IIT Bombay on 15 March.
- Prof.Lokpriya Gaikwad, Prof. Siddique Ahmed and Prof. Onkar Potadar participated in one day workshop on Moodle Learning Management System conducted by IIT Bombay on 15 March.

- Prof. Onkar Potadar participated in 48th ISTE National Annual Faculty Convention at VTU Belagavi on 19-20 March.
- Prof.Prajakta Kane and Prof.Rutuja Tande participated in one day workshop on Scilab for Teachers conducted by IIT Bombay through ICT in SIES GST on 4 May 2019.
- Prof.Prajakta Kane participated in 2 week STTP on Transforming Higher Education Milieu- Towards Excellence conducted by H&AS Dept. SIES GST from 27 April to 10 May 2019.
- Prof.Prashant Ambadekar participated in CE-QIP five day course on Introduction to Machine Learning and Deep Learning – with Applications to Engineering Systems at IIT Bombay from 13 May to 17 May 2019.
- Prof.M. Ali Ansari participated in 3 days FDP for Student Induction Program for AICTE approved institutions at A.P. Shah Institute of Technology, Thane from 6-8 June 2019.
- Prof.M. Ali Ansari participated in 7 days FDP for Student Induction Program for AICTE approved institutions at A.P. Shah Institute of Technology, Thane from 18-24 June 2019.

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DEPARTMENT OF INFORMATION TECHNOLOGY
Annual Report 2018-19

1. Academic achievements:

Final Year:

- 1st Aishwarya Nair - BE (Information Technology) – CGPA 9.23
1st Rukhsar Khan - BE (Information Technology) – CGPA 9.23
2nd Aakanksha Dijendra - BE (Information Technology) – CGPA 8.96
3rd Chopade Poonam Hemant - BE (Information Technology) – CGPA 8.92
3rd Padmavati Vaidyanathan - BE (Information Technology) – CGPA 8.92
3rd Bondre Mehweesh - BE (Information Technology) – CGPA 8.92
3rd Iyer Sharan - BE (Information Technology) – CGPA 8.92

Third Year:

- 1st Neha Sharma - TE (Information Technology) – SGPA 9.85
2nd Prajкта Zaavde - TE (Information Technology) – SGPA 9.79
3rd Sara Nayak - TE (Information Technology) – SGPA 9.69

Second Year:

- 1st Nithya Kannan - SE (Information Technology) – SGPA 9.85
2nd Yash Zawar - SE (Information Technology) – SGPA 9.19
3rd Aditya Singh - SE (Information Technology) – SGPA 9.04

2. Collaborative/MOUs':

- Department of Information Technology has signed MoU with ATS InfoTech Pvt. Ltd, a Microsoft- AEP on Feb 21, 2017.
- Department of Information Technology has signed MoU with IoTPro, Bangalore on 29/07/2017.
- Information Technology Department has signed MoU with Emtron Technologies Pvt.Ltd on 17/2/2018.
- Information Technology Department has signed MoU with Lab System (I) Pvt. Ltd- Pioneer in Digital Forensics in India, Mumbai on Apr 20, 2018.
- Information Technology Department has signed MoU with 9th Legend Inc on Apr 01, 2017.

3. Department Initiatives:

- IETE Students Forum of SIES Graduate School of Technology, Nerul, conducted an event 'MINDSPARK', which is a Technical Quiz and activities event and was a part of Cognition '18 on Sept 7-8, 2018. It was a two day event, which had about a 100 participants and received an overwhelming response. The first two rounds were conducted on day 1, and day 2 mainly featured round 3. At the end of day 2 three winners were awarded with prizes.



- IT Dept and IETE student forum at the Dept, SIES Graduate School of Technology, Nerul, organized 'PROJECTIONS', a project exhibition for the Third year IT students on “Internet Programming and Internet of Things” on Oct 25, 2018. The participants demonstrated their projects, its features and implementation, and faculties from various departments were invited to judge individual rounds. Principal, Dr Vikram Patil explained future scopes of these fields. Prof K Lakshmi Sudha, HoD/IT, said that the exhibition could be utilized to encourage more projects ahead in the fields of IP and IoT. Faculty in-charge, Prof Leena Ladge, Mr Suraj Anchan as Chairman and Ms Archita Poddar as Vice Chairman of the ISF along with the other committee members, managed the event gracefully. The exhibition ended with the Prize Distribution to the winners and vote of thanks was presented by ISF Secretary Ms Aiswarya Nair.



- Techxter 8.0, a National Level Technical Paper Presentation, was organized by the IETE Students' Forum on March 14, 2019. This year, Techxter had its 8th iteration, and had adopted the theme “Green Technology”. This event was open to students of all branches of engineering, polytechnic, and other technical courses. This year they have received over 70 papers from colleges across India such as KLE Dr.M S Sheshgiri College of Engineering and Technology, Belgavi, Kolhapur Institute of Technology, Sanjay Ghodavat Institute, Kolhapur etc from various departments such as Information Technology, Computer Engineering, Mechanical Engineering, Printing and Packaging Technology, Biotechnology, Electronics and Telecommunication Engineering etc. Out of all the received abstracts, 30 were selected for the one-day Paper Presentation Competition which includes 10 teams participating from outside Mumbai.



- Ideation, an ideathon, was a collaborative event which was organized by the combined efforts of IETE Students’ Forum and EDC of SIES Graduate School of Technology. The aim of the competition was to provide a medium for the enthusiasts to generate creative and technically productive ideas to real life problems faced by people. The event began with the Inauguration ceremony, which was attended by our Guest of Honor Dr. B. U. Rhinde, Chairman, IETE, Navi Mumbai Centre, and The Principal, Dr. Vikram Patil.



- IT department has organized Faculty Development Program on “Virtualization Overview- VmwareVsphere 6.x” on August 14, 2018 by Mr. Imran Motani from Anunta Technology Management Services Ltd, Mumbai.



- Prof. K.Lakshmi Sudha, Dr. Vijay Katkar, Prof. Seema Redekar have completed a Consultancy Project on “Text Extraction from Scanned Documents” from Simplicate Creations Private Limited, Mumbai.

4. Academic / Technical achievements of students:

- Rushikesh Shinde TE IT winner of ‘Smart India Hackathon 2019’. Smart India Hackathon is a nationwide initiative to provide students a platform to solve some of pressing problems we face in our daily lives, and thus inculcate a culture of product innovation and a mindset of problem solving. Rushikesh Shinde is one of the member of his team called “Azukarin”. The problem statement was “Cooperative system for end-to-end artisans of Varanasi”. The hackathon was held at Kumaraguru College of Technology. The Team won the competition and rewarded cash prize worth Rs. 50,000.



Smart India Hackthon 2019

- RushikeshShinde,KushShah,AkhilNair,Ashit TE IT bagged 1st Prize in Inventum Project Competition at SIES Arts Science Commerce College, Nerul & also won 2nd prize in Avalon 2019, National Level (Technical paper Presentation/ Project Competition at TernaEngg. College, Nerul.



Avalon. Project Competition

- Omprakash Mudaliar, Vishwdhan Krishan, Shreyas Jaiswal won 2nd Prize in Ideation SIESGST, Nerul.
- Nair Ashwin Radhakrishnan reached Grand Finale in Smart India Hackathon 2019.
- Shrutikaiyer from TEIT secured A+ grade in 6month certification course of cyber law in DY Patil College of Law on January 10, 2019.

- Mr. Hrishikesh Vichore, Mr. Jaishankar Iyer of TE IT and Mr. Mukesh Chaudhary of BE IT have short listed for Quarter Final of Texas Instruments India Innovation Challenge Design Contest 2018, project titled “Unmanned Ground Vehicle (UGV) for Spying and Threat Elimination”.

5. Cultural / sports achievements:

- Mr. Mohammed Yasin Ansari -TE IT won silver medal in Taekwondo at Mumbai University inter collegiate taekwondo championship organized by University of Mumbai held at Guru Nanak Khalsa college , Matunga on 17th-19th February 2019 and also participated in Taekwondo at All India inter university taekwondo championship nationals held at Maharishi Dayanand University, Rohtak on 9th-12th March 2019. He has also bagged silver medal in Taekwondo at district level organized by Taekwondo Association held at Shrima Vidyalaya, Thane.



Sports-Taekwondo championship

- Mr. Sainiranjana Sharma of TE IT got selected for final round of District level in Western Instrument Solo.
- Ms. Nikhita Nair from BE IT, Ms.KarthikeyaThanapal from TE IT, Ms.DharaniArikrishnan won 1st prize in Pillai's Intercollegiate group dance (folk)competition on 5 February 2019 and 2nd prize in group dance competition in Amity University on 23 February 2019.



Aagmi

- Ms. Shrutikalayer from TE IT won first position in Inter college fashion show competition in SIES Management on 18th February 2019 and has been runnerups in inter college fashion show competition in RAIT, Nerul on March 08, 2019.

6. Faculty achievements/Research grants:

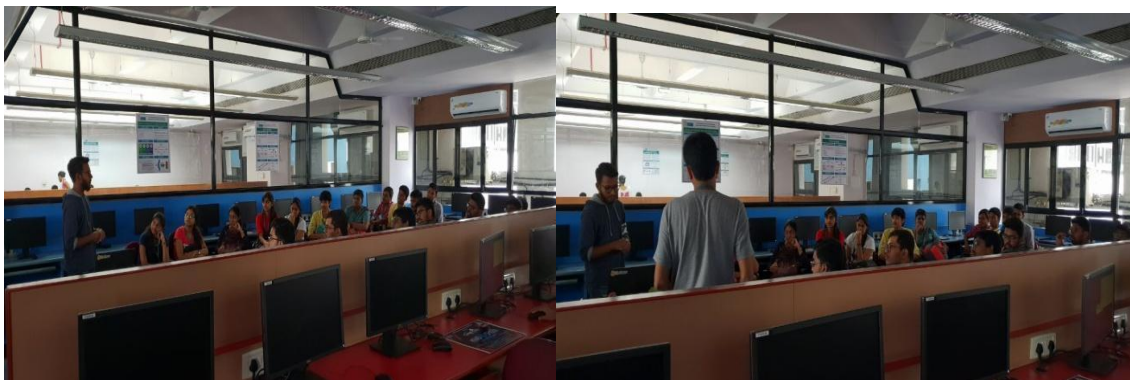
- Prof. K.Lakshmi Sudha, Dr. Vijay Katkar, Prof. Seema Redekar have completed a Consultancy Project on “Text Extraction from Scanned Documents” from Simplicite Creations Private Limited, Mumbai.
- Prof. K.Lakshmi Sudha, Prof. Varsha mali have completed a Consultancy project “ E-commerce Website Data Scraping” with Simplicite Creations Private Limited, Mumbai.
- Dr. Vijay Katkarhas conducted session as a subject Expert Speaker for FDP on “Deep Learning using Python” from 19/12/2018 to 21/12/2018 at S. N. Patel Institute of Technology, UmrahBardoli, and Gujarat(19th -21st Dec.2018)
- Prof. Leena Ladge has conducted orientation for IT faculty for the subject MEP & IOT mini project Lab at VIT, Mumbai on July 05, 2018.
- Prof. Leena Ladge was the auditor for Exam cell activities of SPIT, Andheri (Question paper setting & answer sheet evolution process) on July 09, 2018.
- Prof. StutiAhuja received Minor Research Grant of Rs 25,000/- from University of Mumbai.
- Prof. Bushra received Minor Research Grant of Rs 30,000/- from University of Mumbai.
- Prof. Savita Lohiya has reviewed a paper in International conference, Thailand.
- Prof. Savita Lohiya has conducted expert lecture on Intellient System for final year IT students at AC Patil College of Enginnering Kharghar on October 03, 2018.
- Prof. Seema Redekar, Prof. Prof. Varsha Mali reviewed paper for a IEEE Conference, ICNTE-2019.
- Prof. Seema Redekar has successfully completed the Ph. D coursework from Pillai College of Engineering.
- Prof. Varsha Mali was a subject Expert Speaker for FDP on ‘Deep Learning using Python’ from 17/12/2018 to 18/12/2018 at S. N. Patel Institute of Technology, UmrahBardoli, Gujarat.
- Prof. K.Lakshmisudha received Minor Research Grant of Rs 15,000/- from University of Mumbai.
- Dr. Vijay Katkar published paper on “Early Placement Prediction System for Engineering Students of Indian Universities”, international Conference on Communication and Information Processing (ICCIP 2019), Publication by Elsevier-SSRN Series E-Journal.
- Prof.Bushra published paper “Maiboli - A Programming Language Solution Based on page no.326-330, April-2019. Marathi Devanagari Script”, Elsevier SSRN 3368889.

7. Seminars/workshops organised by departments:

- IETE student’s forum at Dept of IT in collaboration with the EDC, SIES Graduate School of Technology, Nerul, organized a BootCamp on “Data Science and Design Thinking”, at the Indian School of Design and Innovation, at One India Bulls, Parel, on Sept 25, 2018. This workshop was the first of its kind and was organized exclusively for the students from BE, and was attended by 203 students from BE, across all branches. This workshop was conducted to ignite the process of design thinking in the students, and also to open up their minds to different career opportunities and fields of research and education apart from the regular engineering options. Various concepts like Data Demographics, the difference between Data Scientists, Data Engineer and Statisticians were explained. The workshop was concluded with the distribution of refreshments and brochures of ISDI.



- Dept of IT, SIES Graduate School of Technology, Nerul along with IETE student form conducted weekly activities for the Second and Third Year students, which includes competitive programming as well as knowledge transfer sessions. One of these sessions was on GitHub conducted on Oct 3, 2018, and another one on Firebase which was conducted on Oct 12, 2018. The session on GitHub was conducted by our IETE student representative Mr Shivraj Patil, and was duly appreciated by all attendees.



- The department of Computer Engineering and Information Technology of SIES Graduate School of Technology, Nerul, Navi Mumbai has successfully organized and conducted one week AICTE-ISTE approved Self-Financed Short term training program on “Computer Networks and Security” from 15/11/2018 to 22/11/2018.



- A Seminar on “Healthy Minds” was organized by Department of Information Technology and IETE student’s forum of SIESGST on 18 February 2019. Mr. Shriram Atri , Managing Director, Dhanvantri Engineering Pvt. Ltd was the resource person. This session highlighted on adapting healthy habits to live a decent lifestyle. The speaker emphasized on the importance of keeping a positive approach to any situation we face in our lives. This interactive session went on for 2 hours and it created a great impact on the audience.



- Dept of IT, SIES Graduate School of Technology, Nerul with IETE student’s forum conducted a session on “GitHub Version Control” . This was conducted by Mr.Shivraj Patil, Nimish Chaudhari, Karthik Mudaliar and Dhiraj Mehta of Third and Final year IT Students on January 14, 2019. This was organized for the Final year Students and Faculties of all branches of the college. This weekly activity was the first one conducted in the semester based on GitHub , which enables you to keep track of work and to easily explore the changes made, be it data, scripts, notes, etc. in a much smoother and easier way. It also stores your files online as back up of your work and to be shared among team members.



- IETE Students’ Forum at Dept. of Information Technology conducted a workshop on “Digital Marketing Skill Development” on February 28, 2019. This was attended by 33 students of TE IT. The Workshop started with the Keynote on “Technology Transformation Journey” by Mr. Vishram Bapat (Director of Data byte Services & Systems). The Digital Marketing Introduction was given by Ms. Kiran KanteliyaChhatre (Digital marketing Trainer, Global Kreations PVT. Ltd) and she explained various aspects of Digital Marketing.



- Department has organized Faculty Development Program on “GEOInformatics and Related Open Source” was conducted on Jan10-Jan 12,2019 which was organized by IT and EXTC Department.



FDP-GeoInformatics

- AICTE-ISTE approved STTP was organized on “Computer Networks and Security Cyber Security” (15th-22nd Nov.2018)
- Orientation seminar “Career Development” was conducted on September 6, 2018 by Dr. Vikram Patil for SEIT students.
- Seminar on “Electronics domain & its importance in IOT” was conducted on September 4, 2018 by alumnus Mr. Karan Kapoor for TEIT students.
- An SDP on “Web Application Development using DjangoFramework” was organized and conducted by Dr. Vijay Katkar on January 19,2019.
- Project exhibition and competition “PROJEXIONS” was organized on April, 2019 for TE IT students.



Projexions

8. Seminars/workshops attended by department faculty:

- AICTE-ISTE approved STTP on “Computer Networks and Cyber Security” was attended by almost every faculty in IT department which was held on 15th-22nd Nov 2018.
- Prof. StutiAhuja participated in FDP on GEOinformatics& related Open Source from 10th to 12th jan 2019
- Prof. StutiAhuja participated 2 days workshop on" Research Proposal & Technical Paper Writing" on 13th & 14th February 2019 at SPIT, Andheri.
- Prof. Deepali Gawali attended Orientation for subject DMBI & Business Intellience lab at Vidyalankar Institute of Technology, Wadala. on Jan 09,2019
- Prof. Suneha Patil attended Orientation for subject Digital Forensics at Thadomal Shahani Engg. Collge on Jan 05,2019
- Prof. Saritha L.R. attended Orientation for subject Wireless Network & Sensor Network Lab at TeranaEngg. College, Nerul on Jan 10,2019
- Prof. Leena Ladge participated in 3 days workshop on " Advanced Topics in embedded Systems & Robotics (Python & IOT) conducted from Feb 7, 2019 to Feb 9, 2019 at Indian Institute of Technology, Bombay.
- Prof. Mrinal Khadse attended Orientation for subject CCS at K.J. Somiya Institute of Engineering & Information Technology on 11th Jan 2019
- Prof. Savita Lohiya attended Orientation for subject SEPM at RAIT, Nerul on Jan 09,2019 and Mini Project at Vivekanand Education Society's Institute of Technology on Jan 16,2019.

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DEPARTMENT OF HUMANITIES AND APPLIED SCIENCES

Annual Report 2018-19

1. Academic Achievements:

- FE Sem I: **Overall Percentage - 76%**
 - **Number of students who scored SGPA 9 and above - 27**
 - **Topper: Mr. Chaudhary Dinesh with SGPA 9.85**

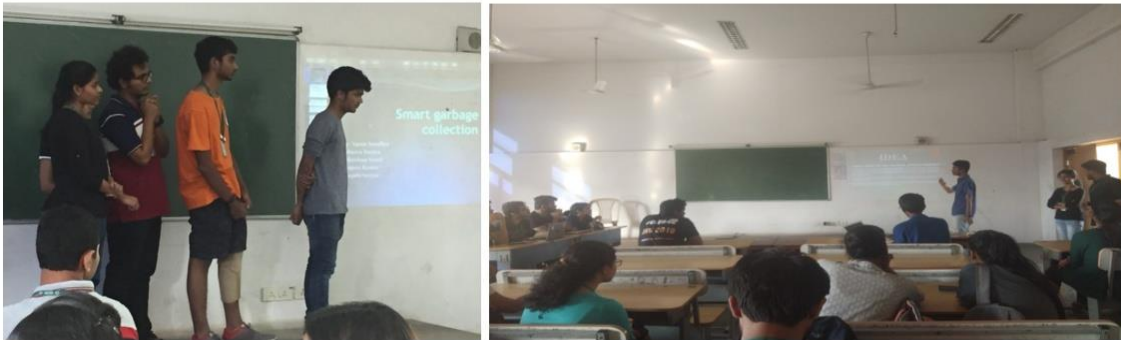
- FE Sem II: **Overall Percentage – 75%**
 - **Number of students who scored SGPA 9 and above - 21**
 - **Topper : Ms. Aakriti Sharma with SGPA 10**

2. Department Initiatives:

- A two week AICTE-ISTE approved short term training program (STTP) on “Transforming Higher Education Milieu – Towards Excellence” was organized by H& AS department for faculties of Engineering colleges of Mumbai university from 27th April to 10th May 2019. This STTP was planned to equip the teachers with proficiency in mentoring and guiding the students to achieve excellence. The STTP was inaugurated by Padmashri Prof. J B Joshi on 27th April 2019 and he delivered the Keynote Address on “**Prosperity through Science & Technology- Setting Goals**”. Eminent speakers like Dr. Prasanna Nambiar, Dr. Preeti Shirodkar, Prof. Usha Nair, Wing Cdr. (Retd) Dalbir Virdi and others delivered sessions.



- **SIESGST Project Idea Competition-Nirman** exclusively for FE started on 25th Feb 2019 to prepare them for Smart India Hackathon (SIH) National competition in coordination with Students council. The initial screening was done by local panel during 6-7 Mar 2019, where students presented their idea and six teams were selected for the final round. The final presentation was judged by Mr. Suraj Pattinge, Head, R&D, Saral Design on 26.03.2019 along with Dr. Vijay Katkar and Mr. Sunil Punjabi, SIES GST and best two presentations were awarded.



- **Google sites (e resume) competition** started on 25th Feb 2019. The faculty mentors of FE assessed the student's sites and had sent the best three sites created by their mentees to local panel during 4-10, March 2019. The best one was selected and was awarded on 26.03.2019.
- A Field Trip to Effluent Treatment Plant (CETP), Koparkhairane was organized to **Inculcate Sensitivity towards Environmental Conservation** for all the first year students from 20.02.2019 to 28.02.2019. Students accompanied by faculties visited the plant and understood the working mechanism of the plant and the various stages of effluent treatment.



- Communication of Vision and Mission of the Institute to the parents of first year students during Parent-Teacher meeting conducted on 16.02.2019 at SIES-GST auditorium. They were also informed about various initiatives taken by the institute such as value based education, strengthening Industry–Institute Interactions and various activities planned for students by Students Council of SIES GST.
- **Five days Orientation Program** was organized for all the First year students from July 30 to Aug 3, 2018 which covered Traditional Orientation Program, Field Trip to Shantivan Ashram - Panvel, Tree Plantation, a resume building workshop using Google Sites, LinkedIn and Github, a dance workshop, a session on Competitive Programming, Photoshop workshop, Sports sessions etc. Expert talks on “Meteorological Instruments” by Mr. **K.S.Hosalikar**, Deputy Director General of Meteorology, Disaster Management sessions by experts and First Aid sessions were also conducted. A workshop on “Empowering Your Energies” by Ms. Pooja Krishna, an expert trainer from Oyster HR solutions and Interaction sessions with Alumni were also held.



3. Academic /Technical Achievements of Students:

- Ms. Aakriti Sharma of Computer Engineering branch scored **10 SGPA** in SEM-II University of Mumbai Examination.
- Mr. Manvith Kotian, Mr. Afhan Mullah from FE-MECH made it to top 10 teams in Bytecamp – Hackathon, 24 hours hackathon held during FEB 23-24, 2019.
- Mr. Varun Shridhar, Ms. Shrikrishna Veturi, Mr. Atharva Surve **First Prize in Matrix**” an intercollegiate quiz conducted by SIESGST.
- Mr. Anirudh Belwadi, Ms. Ishita Kaul, Ms. Shreya Mukharji **Second Prize in “Matrix**” an intercollegiate quiz conducted by SIESGST.

4. Cultural / Sports achievements:

- Mr. Anirudh Belwadi, Mr. Anirudh Iyer, Mr. Siddharth Sridar and 2 more FE students played main role in the charity concert, **“Concert Eve”** organized by Students’ Council to raise funds and to publicize the Dream run charitable Marathon conducted on Mar 1, 2019.

5. Faculty achievements/Research grants:

- Dr. Smitha Kumar, Dr. G. Kanthimathi and Dr. Snehal Kargirwar received **UGC Minor Research Grant** from UoM. The amounts sanctioned were Rs. 30000, Rs. 45000 and Rs. 40000 respectively.
- Dr. Manasi Karkare, Ms. Vijaya Patil, Dr. Smitha Kumar passed a NPTEL online course on **“Patent Drafting for Beginners”** – April 2019.
- Ms. Pratibha Sharma passed a NPTEL online course on **“Data analysis and Decision Making”** – April 2019.
- Prof. Ashwin Chavan completed a NPTEL course on **“Transform Calculus and Its Applications in Differential Equations”** with Elite + Silver certificate – April 2019.
- Dr. G. Kanthimathi completed a NPTEL exam on **“A Brief Introduction to Superconductivity”** with Elite certificate – April 2019.
- Dr. Snehal Kargirwar passed a two week NPTEL course on **“Introduction to Research”** – April 2019.

- Dr.Snehal Kargirwar, published a chapter in book "**Polymer Nanocomposites in Biomedical Engineering**" (**Springer Publications**)ISBN 978-3-030-04740-5 page 331-373, April 2019.
- Ms. Vijaya Patil attended National Symposium on "**Applications of Mathematics in Science and Engineering**" sponsored by TEQIP-III, MHRD, Govt. of India and organized by Department of Mathematics and Mechanical Engineering, VJTI, Mumbai, India, March 29-30, 2019 with poster "**Application of Levenberg-Marquardt Backpropagation (LM-BP)**".
- Ms. Vijaya Patil presented paper for the conference **IEMECON 2019** on 13 - 15 March 2019, "Experimental Investigations of Optimum Sheet Metal Blanking Clearance for IS2062HR Steel Using Artificial Neural Network", published in **IEEE Explore**.
- Ms. Vijaya Patil published research article "**Artificial Intelligence in Evaluating Financial Performance of a Firm: Bollywood Industry**", Journal of Applied Science and Computations, Volume VI, Issue II, February 2019.
- Prof. Mahesh Biradar & Prof. Ashwin Kumar Chavan presented a paper entitled "**Applications of Elzaki Transform to Solve Integral Equations**" in the National Conference on "Recent Trends in Mathematics" at Vaidyanath College, Parli-vajnath, Beed Dist., Maharashtra.
- Ms. Sandhya Bharambe presented paper "**Comparative Study of Synthesis Techniques of Nickel Substituted Cobalt Ferrites Using Structural Data**" in International conference (ICMES 2018) at Shivaji University, Kolhapur on 7 & 8 Dec 2018.
- Dr.Ramkishan Bhise represented Indian SF communities in **Asia Science Fiction Association** held at **China** during Sep 2018.
- Dr.Snehal Kargirwar published paper on International Journal of Modern Physics B entitled "**Polyaniline /Zno Nanocomposites For The Removal of Methyl Orange Dye From Waste Water**" during July 2018.

6. Seminars/ Workshops Organized by Department:

- An Orientation Program on “**AMCAT Employability Assessment**” by Mr. Ankur Srivastava was held for all students of FE on 16th Mar 2019



- A seminar on “**Career in JAVA**” was organized for first year CE and IT branch students on 29 Jan 2019. The resource person was Mr. Rajiv Gupta (Sun certified Personal & Senior Software Developer).



- A seminar organised by the department for the teaching faculty of SIESGST on “**Recent Trends in the IT Industry and pre-requisites for fresher to become a part of the industry**”, by Mr Avinash Krishnamurthi, Corporate Career Management, Human Resources, Tata Consultancy Services on 18thAugust 2018.



- SDP entitled “**Moral Awareness Program: Cyber Ethics and Youth Relationship**” was organized on 04 Sept 2018. Speaker for the session was Mr. Abishek Clifford, Founder & CEO of NGO - RESCUE 108.



- SDP entitled “**Healthy Gender Attitude**” was organized on 27 Sept 2018. Speaker for the session was Dr. Swati Shirodkar, Head of Department (OBGY), MGM Medical College, Aurangabad.
- An SDP entitled “**Industry Interaction with Experts**” was organized on 06 Oct 2018. Speaker for the session was Mr. Prashant Zade, Application manager, Emerging Graphics India Pvt. Ltd.



7. Seminars/ workshops attended by department faculty:

- Seven days FDP for FE Student Induction Program (Level 1) on “Universal Human Values” at A. P. Shah Institute of Technology, Thane during 18-24 June 2019 attended by Ms. Sandhya Bharambe, Dr. Smitha Kumar, Mr. Ashwin Chavan, Dr. Savita Katiyar, and Dr. G. Kanthimathi.
- Three days FDP for FE Student Induction Program (Level 0) on “Universal Human Values” at A. P. Shah Institute of Technology, Thane during 6-8 June 2019 attended by Dr. Manasi Karkare, Ms. Sandhya Bharambe, Dr. Smitha Kumar, Dr. Savita Katiyar and Dr. G. Kanthimathi.
- Two weeks STTP on “ Transforming Higher Education Milieu – Towards Excellence” attended by Dr. Manasi Karkare, Prof. Seema Khan, Dr. Geetanjali Mishra, Dr. Vijay Songire, Dr. Ram Bhise, Dr. Snehal Kargirwar, Dr. Kanthimathi organized by H& AS department for faculties of Engineering colleges of Mumbai university from 27th April to 10th May 2019.
- Dr. Manasi Karkare and Ms. Sumitra Padmanabhan attended a session by Dr. Anil Sahastrabuddhe under “Leadership Talk series” by AICTE on 22 April 2019.
- Dr. Manasi Karkare, Ms. Sumitra Padmanabhan Dr. Kanthimathi, Dr. Snehal attended workshop on Here Maps technology by 100000 startup NASSCOM on 31 March 2019.

Dr.Manasi Karkare:

- Attended workshop on “Prevention of Sexual Harassment at work place” at Thane Belapur Industry Association at Rabale on 15 Nov 2018
- Attended a seminar on “Getting started with NBA” by Archana Thosar, COEP, Pune on 27 Nov 2018.

Ms. Vijaya Patil

- Attended Third National Conference on Industrial Engineering and Technology Management (NCIETM) in National Institute of Industrial Engineering (NIIE) Mumbai, on Nov 30 – Dec 1, 2018

Dr.Manasi Karkare & Dr. G. Kanthimathi

- Attended workshop on “Bringing Nanoworld together” at IIT Bombay during Nov 28-29, 2018.

- Attended INUP familiarization workshop on Nano technology at IIT Bombay during Nov 30- Dec 1, 2018.

Dr.Sadhana Tiwari

- Attended AICTE approved FDP on Computational Methods for integral and Differential Equations, Dec 10-16, 2018 at IIT BHU, Varanasi.

Dr. Snehal Kargirwar and Dr. Ramkishan Bhise

- Attended awareness program on “Environmental Hazards of Electronic Waste” under Digital India Initiative on 5th and 6th October 2018 at Maharashtra Pollution Control Board, Mahape.

Ms. Sandhya Bharambe

- Participated in AICTE-ISTE sponsored STTP on “ Inclusion of Nanotechnology” held at Somaiya college from 02nd to 07th July 2018

**DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION
ENGINEERING**

Annual Report 2018-19

1. Academic achievements:

- Dr. Preeti Hemnani has completed her Ph. D.
- Prof. Kintu Patel has enrolled for Ph. D.
- Prof. Vishal Gaikwad has enrolled for Ph.D.

2. Collaborative/MOUs':

- NMMC- 50000 RESEARCH GRANT FOR STUDENTS
- Department has taken initiative to sign MoU between SIESGST and Eduvance Vanmat Technology Pvt. Ltd. on 16/3/2019.

3. Department Initiatives:

- Inauguration of a MTT-S (Microwave Theory & Technique Society) chapter under IEEE SIES GST.
- Initiatives towards new COE.
- Soft submission of software related practicals.

4. Academic / technical achievements of students:

- Atharva Karnik of SE A EXTC successfully completed TWO NPTEL courses on Computer Architecture & Engineering thermodynamics.
- Diksha Adke of SE A EXTC successfully completed TWO NPTEL courses on Computer Architecture and engineering thermodynamics
- Vishal Raj of BE A EXTC successfully completed NPTEL course on hardware modelling using verilog.
- Nivedita Lokhande of TE A EXTC successfully completed NPTEL course on soft skills.
- Jiten Kunder of BE A EXTC won GST FERIA 2.0
- Aditya Shanbhag and Yuvaraj Mudaliyar of BE-B EXTC conducted workshop for SIES GST students.
- **Industry Internship**

Company Name	No. of Students
Eduvance	34
MCGV Technologies, Vashi, Navi Mumbai	04
Dynalog India Limited, Vikhroli, Mumbai	04
L & T pvt.Ltd.,Mahape	04
Central Railway	04
ONGC	05

5. Cultural / sports achievements:

- Harsh Agarwal of SE A EXTC was among top4 in TML tug of war.
- Pratik Hegde of BE B won prize in Marshall Arts.
- Pooja Iyer of SE A EXTC won 2nd place in duet singing competition in TML-2018.
- Diksh Adke of SE A EXTC has successfully completed her Praveshika Purna of Classical music Madhyama Pratham.
- Vibha Rawan won 1st prize in intercollegiate folk dance competition in Pillai's COET Panvel.
- Sanchita Hole wins prize in solo singing competition.

5. Faculty achievements/Research grants:

Minor research grants:

Following faculties got minor research grants from Mumbai university.

Sr. No.	Principal Investigator	Topic	Grant(Rs.)
1	Shishir Jagtap	Compact Remote Controlled based multipurpose frequency reconfigurable antenna for long distance communication.	25000
2	Kintu Patel	UAV based Structural flaw detection using ANN.	25000
3	Shishir Jagtap	Asset Monitoring and Tracking using RFID System.	35000
4	Pratiba Joshi	IOT based Wireless Sensor Network(WSN) for metropolitan cities to monitor air pollution level.	2000
5	Vishal Gaikwad	An Intelligent Green Energy Based IoT Sensor Node for Data Monitoring using WEMOS D1 MINI	20000

- Dr. Atul Kemkar and Dr. Preethi Hemnani reviewed papers of the 3rd Biennial International Conference on Nascent Technologies in Engineering organized by Fr. C. Rodrigues Institute of Technology, Vashi, Navi Mumbai,(India) in its premises in association with IEEE on January 4-5, 2019.
- Dr. Atul Kemkar published paper titled "IoT based garbage monitoring System" in 4th International Conference on Recent Challenges in Engineering and Technologies organized by IFERP Pune in April 2018.
- Dr. Atul Kemkar has coordinated and attended Faculty Development Program on a blooming field of GeoInformatics titled "GeoInformatics 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
- Dr. Preeti Hemnani published paper titled "The Building of NQR/NMR spectrometer" in International journal of Electrical and Computer Engineering June 2018.

- Prof. Biju Balakrishnan Invited speaker at K J Somaiya Institute of Engg. and Tech., Sion on 7-2-2018 on the topic: Overview of digital Communication and bridging the research gap.
- Prof. Biju Balakrishnan Invited speaker at K J Somaiya Institute of Engg. and Tech., Sion on 2-4-2018 on the topic: Analog and digital Communication beyond the syllabus.
- Prof. Vandana S. published paper titled “Human Skin as Touch Screen” in International Journal of emerging technology and innovative research in May 2018.
- Prof. Swati Rane published paper titled “A survey of Nonlocal means image denoising technique and its variants” in ICIETS-International conference on Innovations in Engineering, Technology science 20-21 Sept, 2018 by IEEE.
- Prof. Sonal Hutke and Prof. Hema Raut published paper titled “Design of RF Energy Harvesting System for Low-Power Electronic Devices” on 2018-10-22 in UGC approved IOSR Journal of Engineering.
- Priyanka Kadam, Prashnat L. Ahire published paper titled “Improving quality of service of WSN network by data Aggregation” in International conference Equinox 2018 on 26/09/2018.
- Prof. Pranavi M conducted Guest Lecture on EDC-I at Vasandada Patil College of Engineering, Sion on 19/10/2018.
- Prof. Abhishek Kadam organized webinar on RTL Design & Functional Verification by Sivakumar P R CEO, Maven Silicon at SIES GST on 21st Aug 2018.

7. Seminars/workshops organised by departments:

- Extc department has organized One week AICTE-ISTE approved STTP on "Neural Network and Deep Learning use Tensor Flow" from 1st Jan 2019 to 5th Jan 2019.



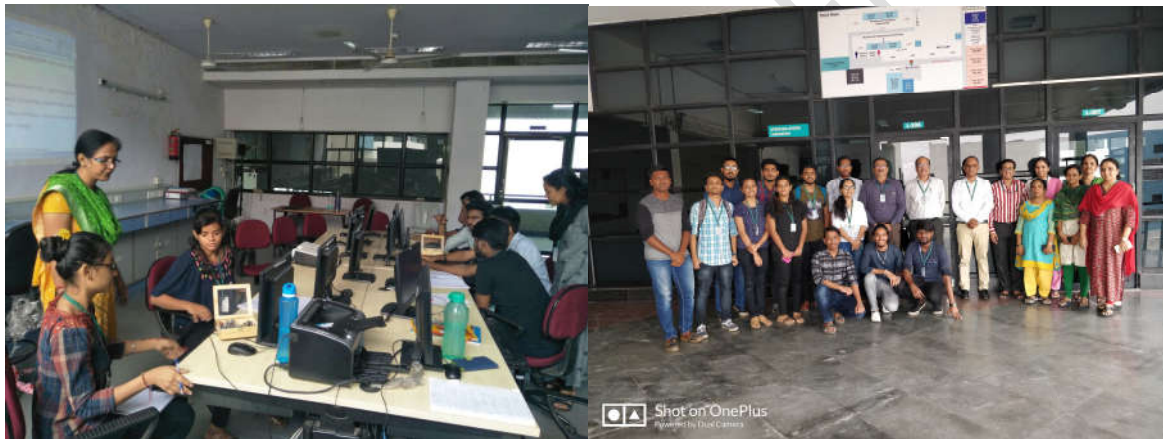
- Extc department has organized a Faculty Development Program on a blooming field of Geo-Informatics titled "Geo-Informatics and related open source software" by SIES Graduate school of Technology, Nerul Navi Mumbai and Graduate School of Engineering, OSAKA City University, Japan from 10-12 Jan'2018.



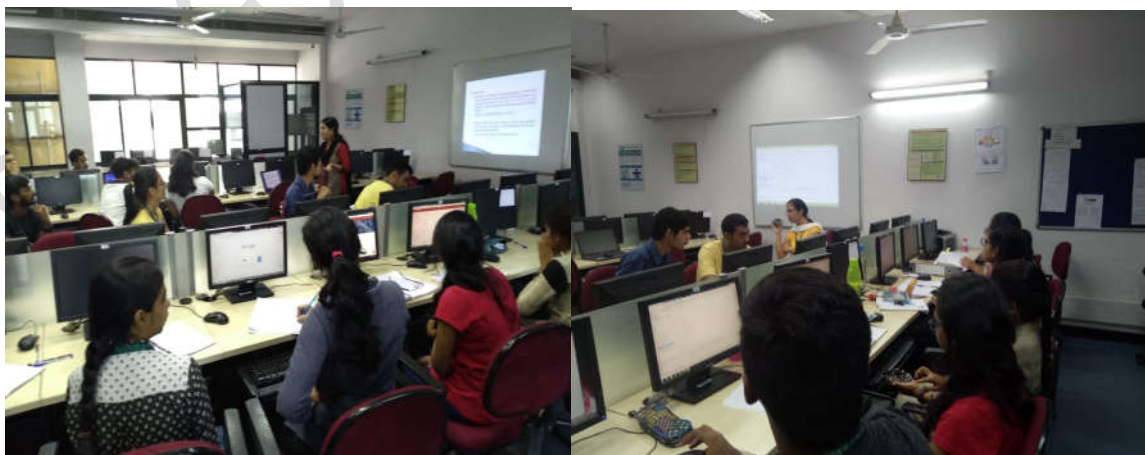
- Seminar by Alumni Mr. Ameya Kale on “Life after Engineering” dated 2nd April 2019.



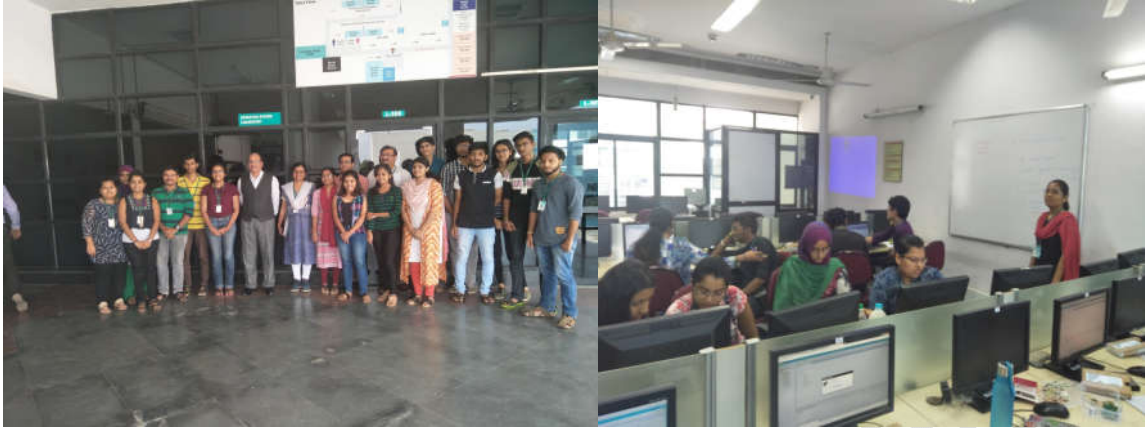
- Faculty Members of Department of EXTC, under COE IOT conducted workshop on IOT from 18/6/2018 to 22/6/2018.



- Dr. Preeti H, Pranavi M, Sonal J, Abhishek K conducted SDP on FPGA design using VHDL from July -September(3days) at SIES GST with participation of 14 students.



- Prof. Shubhangi K. organized 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.



- Prof. Pushkar Sathe, Hema Raut conducted SDP on Embedded systems- ARM Mbed workshop from 19-21 Dec. 2018 (3days) at SIES GST with participation of 12 students.



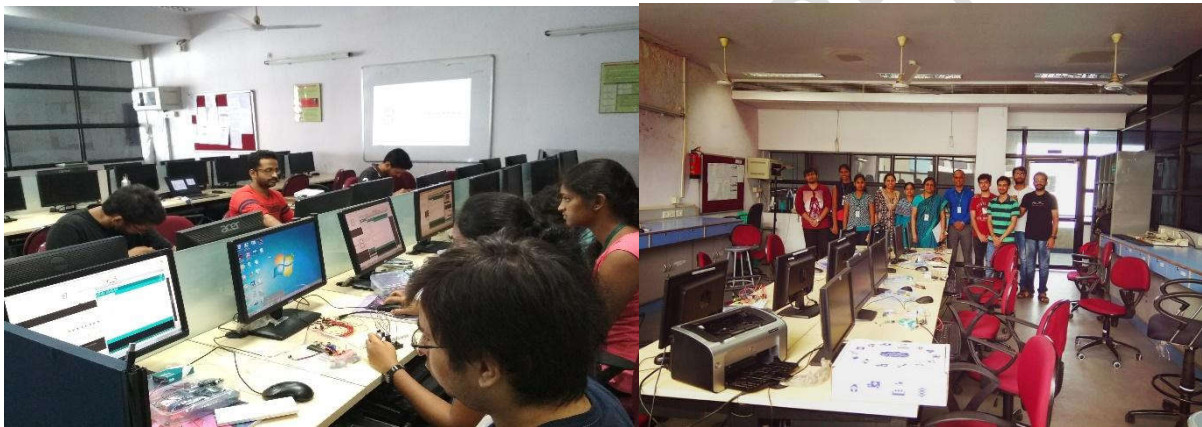
- Prof. Shishir Jagtap, Prof. Vandana Sawant conducted SDP on Advanced antenna design using IE3D on 1st July 2018 at SIES GST with participation of 18 students.



- Prof. Shishir Jagtap, Prof. Vandana Sawant conducted SDP on Antenna design using IE3D from 18/6/2018 to 22/6/2018 at SIES GST with participation of 8 students.



- Prof. Vishal Gaikwad conducted SDP on Arduino and Introduction to IoT from 20/06/2018 to 23/06/2018 at SIES GST with participation of 9 students.



- Prof. Biju Balakrishnan conducted SDP on Orientation on Course file, Handbook, Personal file and Mentor-Mentee scheme on 04-07-2018 at SIES GST with participation of 5 faculties.



- Prof. Biju Balakrishnan, Prof. Madhuri Kulkarni conducted SDP on Analog and Digital Communication mini project competition on 29 sept. 2018 at SIES GST with participation of 40 teams (147 students).



- Prof. Biju Balakrishnan, Prof. Madhuri Kulkarni conducted SDP on Radiation, sources, hazards and solutions mini project competition on 06 Oct. 2018 at SIES GST with participation of 40 teams (147 students).



IEEE Events

- Department has organized more than 30 various events under IEEE Student branch for SE, TE and BE students in 2018-19 academic year. Some of the many events which served as a very knowledgeable and interesting experience for all the students are;
- FPGA workshop, Machine learning workshop, Drone workshop, Arduino workshop, IoT workshop and MTT-S Student Chapter Inauguration and some seminars.
- FPGA workshop was conducted by scientists from Tata Institute of Fundamental Research, the aim of workshop was to provide a platform for students to learn, design and implement digital system on FPGA using VHDL.



- A workshop on IoT was conducted by Dr. Sourabh Mehta (IEEE Bombay Section).
- Machine Learning workshop conducted by a Prof. Santosh Chapneri, St. Francis Institute of Technology. This workshop provided practical foundation level training that enables immediate and effective participation in big data and data science and it covered the basic algorithms that helps us to build and apply prediction functions with an emphasis on practical applications.



- Drone workshop, Arduino workshop were conducted by our Technical team of IEEE-SIESGST.
- A very informative guest lecture was conducted by Prof. Aiyappan Pillai, an Excom member, IEEE Bombay Section.
- “Technical Talk & Interaction: Design and Development of Analog Instruments” was conducted by the Director of Electronic Enterprises Mr. Arun P. Wagle.
- On 10th October 2018 IEEE Day was celebrated in SIES GST by heads, volunteers and members of IEEE. The Chief Guest of the event, Taskeen Nadkar gave a visionary speech.



- Industrial Visit at GMRT, Narayangaon.



- Industrial visit was arranged for third year students at MTNL, Pawai on 6/2/2019.



- Industrial visit was arranged for third year students at SAMEER IIT, Bombay on occasion of Science Day 28/2/2019.

8. Seminars/workshops attended by department faculty:

- Dr. Preethi Hemnani attended seminar on Elsevier Research Solutions by Elsevier Connect At Elsevier on 20-12-2018.
- Dr. Preethi Hemnani, Prof. Abhishek Kadam, Prof. Pranavi Mhatre attended workshop on Introduction to Mentor Graphics HEP by Kamalesh Pansare at Trident Tech Labs on 23-24 Aug 2018.
- Prof. Vishal Gaikwad attended workshop on IoT Application Design by Mr. Rather Sajad at AP Shah Institute of Technology on 26/12/2018 to 28/12/2018
- Prof. Shubhangi kharche, Prof. Swati Rane, Prof. Anuradha Pawar, Prof. Vaishali Mangrulkar, Prof. Pratibha Joshi attended seminar on design thinking and data science by Mr. Shreevastav at ISDI Lower Parel Mumbai on 25/09/2018.
- Prof. Abhishek Kadam attended workshop on advanced topics in embedded system and Robotics at IITB Eyantra Team on 27/08/2018 to 31/08/2018.
- Prof. Swati Rane attended seminar on Digital Image Processing by Dr. Suyash Awate /Dr. Ajit Rajwade at IITB from July-Nov 2018.
- Prof. Prashant L. Ahire attended Faculty Development Program on Computer Vision and Machine Learning by Prof. Aparajita Ojha, IIITDM, Jabalpur Prof. K. M. Bhurchandi, VNIT, Nagpur at Shri Sant Gajanan Maharaj College of Engineering from 03/12/2018 to 07/12/ 2018.
- Prof. Anuradha Pawar attended Developer Weekend on AR/VR/MR, ML, design thinking and Blockchain by Mr Javed Khatri, Mr Nilay Chandra, Mr Abhilash Ashok at SIES GST Nerul on 07/09/2018 to 08/09/2018.
- Prof. Priyanka Kadam attended workshop on Ethical hacking by Kyrionix from 29/09/2018 to 30/09/2018.
- Prof. Priyanka Kadam, Prof. Anuradha Pawar, Prof. Vaishali Mangrulkar, Prof. Madhuri Kulkarni, Prof. Nita Patil attended STTP on Computer Network and Security by Prof. Lakshmisudha, at SIES GST on 15/11/2018 to 22/11/2018.
- Prof. Sonal Hutke attended workshop on Practice on HFSS Antenna design tool at K. J. Somaiya College Sion, Mumbai from 09-10 March 2018.

- Prof. Biju Balakrishnan attended seminar on Onscreen marking (OSM) and conduction of University Exams by Dr. Arjun. P. Ghatule at CK Thakur College, New Panvel Mumbai on 1/10/2018.
- Prof. Pranavi Mhatre attended webinar on RTL Design & Functional Verification by Sivakumar P R CEO, Maven Silicon on 21st Aug 2018.
- More than 15 faculties completed different NPTEL courses.

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SIES GST ANNUAL REPORT

DEPARTMENT OF COMPUTER ENGINEERING

Annual Report 2017-18

1. Academic achievements:

- TE CE Girl student's team containing Vrushali Alugade, Tanaya Badave, Rutuja Patil, Rakshita Bakalkar, Akansha Pradhan, Arpita Rane secured 8th position in Smart India Hackathon all over India. Smart India Hackathon is National Level Project Competition organised by MHRD collaboration with AICTE on 30th March 2018



TE CE Students team Bharat Katuriya, Aarti Borse, Riona Almeda, Ketan Gotamare won 1st prize in Deep Blue Project Competition organised by Mastek -Majesco in 2018



- Dr. Rizwana Shaikh received “Best HOD of the year” award by TECHNEXT India 2018, organized by CSI in collaboration with IIT Bombay.
- Prof. Masooda Modak secured PhD admissions in Sardar Patel Institute of Technology (SPIT) Andheri, Mumbai in academic year 2017 - 18.
- Prof. Kalyani P. received Gold certificate and top 1% rank in Computer Organization course, conducted by NPTEL in December 2017.

- Prof. Masooda M. received Gold certificate and top 5% rank in Computer Organization course, conducted by NPTEL in December 2017.

2. Collaborative/MOUs':

- An MoU was signed with 9th Legend Inc., Mumbai, on April 17 to March 2019 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.
- An MOU was signed with Microsoft ATS, Mumbai from February 2018 to March 2020. Due to this collaboration students should get benefit of different courses offered by Microsoft.
- An MOU was signed with Prior Web Private Ltd., Mumbai from June 2018 to June 2020 for Industry collaboration facilitating internship, expert talks to students and faculty.

3. Department Initiatives:

- Department organised the National Level Project Competition, “INNOVATIONS 17”, conducted by CE department under CSI, March 2017. 20 groups from all over India had participated.



- CE department has started conducting workshops under Students Development Programs on open source technologies such as; LINUX, LAMP, R, PYTHON and various security tools etc for students of all departments during Vacations. Eight such workshops and corresponding internships are conducted during the year.



- To improve placements and technical skills of students, technical quizzes and aptitude lectures are conducted as a part of CSI activities. Seven such activities are conducted in the form of technical workshops and coding competitions.
- Establishment of mentor-mentee scheme to strengthen student teacher relationship.
- (DAB) Department Advisory Board formed and meeting is conducted to bridge the academic and industry gap. Recent topics are identified for workshops and guest lecture for motivating students for higher studies and placement.
- External academic audit conducted by Prof. Kalbande from SPIT, Mumbai in August 2017.

4. Academic / technical achievements of students:

- TE CE Girl student's team containing Vrushi Alugade, Tanaya Badave, Rutuja Patil, Rakshita Bakalkar, Akansha Pradhan, Arpita Rane secured 8th position in Smart India Hackathon all over India. Smart India Hackathon is National Level Project Competition organised by MHRD collaboration with AICTE on 30th March 2018.



- TECE Students Team Kamleshwar Raghava, Vipul Singh Suryavanshi, Aarti Borse, Bharat Katuriya Participated in National Level Project Competition Smart India Hackathon for hardware stream in BITS Pillani, Rajasthan.



- TECE Students team Bharat Katuriya, Aarti Borse, Riona Almeda, Ketan Gotamare won 1st prize in Deep Blue Project Competition organised by Mastech in 2018.
- TECE student's team participated at Zonal Level for Zee 24Taas Young Innovator Awards 2017-18.
- Preetam Negi from TE CE has completed 13 various courses on R offered by DataCamp and is working as alpha tester for DataCamp Dec 2017.
- Aakansha Pradhan and Rutuja Patil from TE CE won 1st prize in MINDSPARK.
- Omkar Prabhu from TE CE Passed CCDSAP foundation exam and Codechef certified DS & algorithms programme NOV 2017.
- Sayali Patil from TE CE achieved Best Intern Award for Internship in IoT from Smt. Kashibai Navale College of Engineering, Pune.
- R.S. Kamal from BE CE Won 2nd prize in Laser Tag(Gaming) in innovations, Won 1st Prize in black line follower.
- Bharat Kathuria from TE CE winner in coding competition organised by CSI chapter in 2018.
- Shubham Tarate student of SE CE active member of BAJA team of SIESGST won 1st prize in IIT Ropar, Punjab and Talegaon Pune.

5. Cultural / sports achievements:

- Aakansha Pradhan from TE CE stood 1st in Debate Competition in 50th intercollegiate youth festival.

- Pratiksha P from TE CE stood 1st in District level Debate competition conducted by MU.
- Swarika from SE CE, winner in 'Make your Fair' held in cognition 17.
- Ajit Kumar from TE CE secured silver medal in athletics competition at K J Somaiya, Mumbai and VJTI Mumbai.
- Ajit Kumar from TE CE won first prize in Arm Wrestling at Cognition 17.
- Kumaran from BE CE won first prize in men's basket ball and 3rd in chess, TML, 2018.
- Kavya V TE CE won 2nd prize in Throw ball, in TML, 2018.
- Yogesh Singh from BE CE Runner Up in inter college - Lakshya Cricket.
- Rishi Thakur from BE CE secured 2nd position in intra college - Human foosball

6. Faculty achievements/Research grants:

I. Research grants: Eighteen 18 faculties have prepared and submitted minor research proposals to Mumbai University

- An IOT Based System for Water Quality Monitoring. (Mrs. Pranita Mahajan, Mrs. Prachi shahane).
- Efficient Authentication scheme for National e-Governance services : Mrs. Aparna Bannore.
- White Blood Cell Disorder Identification using Deep Neural Networks. (Mrs. Ujwala Ravale, Mrs. Preeti Godabole, Ms. Yashashree Bendale).
- FQMS(Food Monitoring System)An Efficient Way for monitoring Food quality Management. (Mrs. Varsha Patil, Mrs. Asmita Shejale, Mrs. Namrata Patel , Mrs. Kranti Bade)
- Smart Adaptive IOT based parking system. (Mrs. Anindita Achint Khade, Dr. Rizwana Shaikh, Mrs. Masooda Modak, Mrs. Kalyani Pampattiwar).
- Intelligent System for Women security. (Mr. Sunil K. Punjabi, Mrs. Suvarna Chaure, Mrs. Ujwala Ravale, Mrs. Deepti Reddy).
- Opinion Mining For Government Policy Formulation. (Mr. Amit Pandhare).

II. Online Courses:

- Prof. Pranita Mahajan received Elite certificate in courses "Introduction to Research" and "Introduction to Machine Learning" offered by NPTEL. Completed three courses on "Introduction to R track", offered by Datacamp.
- Prof. Roopal Mamtora completed "Introduction to Machine Learning" course offered by NPTEL.
- Prof. Prachi S. completed, "Introduction to Data Analytics" course offered by NPTEL.
- Prof. Namrata P. received Elite certificate, "Computer Organization" and "Cloud Computing Laboratory", courses offered by NPTEL.
- Prof. Prachi S. completed, "Introduction to Data Analytics" course offered by NPTEL.
- Prof. Kalyani P. received Elite certificate, "Cloud Computing", course offered by NPTEL.
- Prof. Masooda M. received Elite, "Cloud Computing", course offered by NPTEL. Completed Introduction to R and Introduction to Python course offered by DataCamp.
- Prof. Sunil Kumar P. completed, "Information Security", course offered by NPTEL.
- Prof. Kranti B. received Elite certificate, "Design Algorithm", course offered by NPTEL.
- Prof. Aparna B. received Elite certificate, "Information security 3", course offered by NPTEL.

- Prof. Ujwala R. received Elite certificate, “Information security 3” and “Design Algorithm”, course offered by NPTEL.

III. Publications: Fourteen Faculties have published the papers in various journals and Conferences.

- Prof. Rizwana Shaikh, “Measuring Data security for a cloud service”, 3rd International Conference on Computing, Communication and Automation (ICCUBEA-2017) Pune, 17-18 Aug 2017.
- Dr. Rizwana Shaikh, Prof. Massoda Modak, Prof Roopal M and Prof. Kalyani P, “Real Time Pothole Detection using Android Smartphone and IOT based Approach, “International Conference on Electrical, Electronics, Computers, Communication, Mechanical and Computing (EECCMC)”, vellore, Tamilnadu IEEE.
- Prof. Rajesh Kadu, “Authentication and Secure Communication in CSS Cognitive Radio Networks” IPASJ International Journal of Computer Science (IJCS), ISSN: 2321-5992, Volume 5, Issue 10, October 2017, Impact Factor: 3.414. 2. 5.
- Prof. Rajesh D. Kadu, “Detection of Spectrum Sensing Data Falsification Attacker in CSS Cognitive Radio Networks” 3rd IEEE international conference on Computing, Communication, Control and Automation (ICCUBEA 17), Pune, 17-18 Aug 2017.
- Prof. Aparna Bannore, “Conference on Intelligent Information Technology, Dec 2017, (ICIIT 2017), Chennai, India. Springer CCIS”
- Prof. Deepti Reddy, “FATHOM: TEL environment to develop divergent and convergent thinking skills in software design”, Advanced Learning Technologies (ICALT), 2017 IEEE 14th International Conference on. IEEE, 2017.
- Prof. Roopal Mamtora, “A Sneak Preview of Sentiment Analysis, International Conference on Smart City and Emerging Technologies (ICSCET 2018)”, Universal College, Kaman, Vasai, IEEE(In press), Publisher:IEEE.
- Prof. Prachi S and Prof. Preeti Goadabole, "Cognitive Approach for real time monitoring of CO and CO2 emissions in vehicles", UGC Approved ,Journal for Advanced Research in Applied Science, Volume 5 Issue 1, Jan 2018.
- Prof. Suvarna Chaure, Prof. Ujwala Ravale, Prof. Namrata Patel and Anindita k., “SMART TRASH: An Efficient Way for monitoring Solid Waste Management, IEEE-CTCEEC conference. August 2017.

7. Seminars/workshops organised by department:

I. Faculty Development Programme:

- Computer Engineering Department has conducted AICTE-ISTE Approved 6 days STTP on “Cyber security and digital forensics”, from 03/07/2017 to 07/07/2017.
- Prof. Pranita Mahajan organized 2 day workshop, on, “SSP on Introduction to Machine Learning”, under IIT Remote Centre on 16th and 17th Dec 2017.

II. Student Development Programmes:

- Prof. Kalyani P, Prof. Roopal M, Prof. Ujwala R, Prof. kranti B and Prof. Namrata P have conducted five day workshop on Basic Linux and Latex from 19th June to 23th June. 19 students are attended the workshop.
- Prof. Kalyani P, Prof. Masooda M, Prof. Roopal M, and Prof. Namrata P have conducted five day workshop on LAMP from 19th June to 23th June. 26 students are attended the workshop.

- Prof. Pranita Mahajan and Prof. Monika Sharma have conducted five day workshop on R Programming from 5th June to 9th June.
- Prof. Pranita Mahajan, Prof. Anindita Khade, Prof. Prachi Shahane, Prof. Yashashree Bendale conducted Data mining with R workshop for TE students from 11th Dec to 15th Dec 2017.
- Prof. Suvarna Chaurse, Prof. Aparna Bannore, Prof. Preeti Godabole, Prof. Ujwala Ravale have Conducted Ethical Hacking Workshop and Security for TE students from 11th Dec to 15th Dec 2017. 11 students have participated in the workshop.
- Prof. Pranita Mahajan, Prof. Yashashree Bendale Conducted Introduction to R workshop for SE students from 20th Dec 2017 to 23rd Dec 2017. 17 students have participated in the workshop.
- Prof. Kalyani P, Prof. Masooda M, Prof. Roopal M, and Prof. Namrata P have conducted five day workshop on LAMP from 20th December to 24th December.
- Prof. Rizwana Shaikh, Prof. Masooda M and Prof. Kranti B conducting workshop of Python for TE Students from 19th January onwards.
- Prof. Pranita Mahajan conducted one month internship for Third year students in which students have completed two projects titled “Placement prediction” and “Contribution of attendance towards result”.
- Prof. Varsha Patil Conducted SDP on Image Processing at D.Y Patil’s RAIT college on 27 Dec 2017
- National level project competition, “INNOVATIONS 17”, conducted by CE department under CSI, March 2017. 20 groups from all over India had participated.
- Mr. Stephen, Suven Technologies conducted Workshop on Bootstrap 3 Framework on 5th August 2017- (50 students participated for the workshop)
- CSI council students have conducted Coding Competition on Java programming for Third Year Students on 8th Sep and 15th Sep 2017. 30 students have participated.
- CSI council students have conducted Coding Competition on C programming for Second year students on 8th Sep and 15th Sep 2017. 30 students have participated.
- CSI council students have conducted web designing Competition on C programming for Second year students on 15th Sep 2017. 20 students have participated.
- Mr. Dilip Balasubramanian, We Can Educate, conducted “Image Processing using Python” 4th Sep to 14th Sep 2017. (09 students participated).
- CSI Council, PC Assembly Workshop on 22nd September 2017.

III. Internship:

- Fourteen BE students have completed outhouse internship from various industries.
- Two students from SE have completed 6 weeks internship from AIESEC, Poland and AIESEC Bulgaria.
- Prof. Pranita M and Prof. Monika S conducted one month R internship for BE students in July 17.
- 5 students from SE have completed outhouse internship from Expert hub, Pune during 22 Dec to 29 Dec 2017.
- Two students from TE have completed 1 month and 3 months internship from Reliance industry (12 Dec to 12 Jan 2018) and Droid Techknow.com (15 Nov 2017 to 15 Jan 2018).
- Four students have completed in house internship on Data mining with R under Prof. Pranita Mahajan.

IV. Guest Lectures organised by department:

- Mr. Kapil Kadam from IITB, delivered seminar on the topic “Animation and Blender Software” for the Second year students of Computer Engineering Department on April, 21, 2017. Total 104 students have attended the session.



- Mr. Abhilash Agarwal, Data Analyst at MIRRAW delivered seminar on, "Data Analytics", for the final year students on 23/02/2018.



- Mr. Shrikant Gavande, PeetaByte Technologies delivered Guest Lecture on NoSQL and Big data Hadoop 13-04-2017.
- Mr. Suhas Deoghare, L&T Infotech, Mumbai delivered Guest Lecture on Product Development on 21-04-2017.
- Dr. Sameer Sahasrabuddhe, Senior Project Research Scientist, IIT Bombay delivered Guest Lecture for HMI on 21-04-2017.
- Mr. Dilip Balasubramanian Head of we can education delivered a lecture on Advent of Embedded System, on 06/10/2017. Total 54 students have attended the lecture.

8. Seminars/workshops attended by department faculty:

- All faculties attended Seminar on IONCUDOUS on 17th August 2017.
- Six faculties have attended workshop on IONCUDOUS on 17th and 18th Aug 2017.
- All faculties have attended FDP on "Funding Agencies and preparation of Research proposals", on 19th Aug by Dr. Vikas Phalle Assoc Prof. Mech Engg Dept. VJTI.
- 17 faculties has attended FDP on "Writing and Publishing Research Articles" by Dr. B. K. Lande on 3rd February.
- Dr. Rizwana Shaikh has attended Two days FDP on Remote Sensing and GIS in Rural Agricultural Systems. IEEE GPRS Section, DBIT , Kurla on 22-23 September.
- Prof. Ujwala Ravale has attended Two-Week AICTE approved FDP Foundation Program in ICT for Education for 3rd August to 07 September and Two-Week AICTE approved FDP Pedagogy for Online and Blended Teaching-Learning Process from 14th September to 12th October 2017.
- Prof. Vaishali Bhujade on "Efficient, Effective, Engineering Labs and Performance Management" on 19th DEC.2017 and FDP on "Challenges in Cloud Computing Applications" by Mr. Manoj Kulkarni, Director of Mensa Consulting Services Pvt. Ltd, on 29 Nov 2017.
- Prof. Yashashree Bendale FDP on "Challenges in Cloud Computing Applications" by Mr. Manoj Kulkarni, Director of Mensa Consulting Services Pvt. Ltd, on 29 Nov 2017.
- faculties attended FDP on Introduction to Machine Learning under Saptahaant Shikshak Prashikshan (SSP) on 16th 17th December conducted by IIT Khargapur.
- Prof. Deepti Reddy attended Open Source Software Experience (POSSE) workshop at the University of Bologna Italy from July 1 -2, 2017.

- Prof. Masooda Modak Attended AICTE Sponsored Two Days National Seminar on ‘Technologies for Development of Rural Areas’ on 27th and 28th Nov. 2017 at Sardar Patel Institute of Technology’
- Prof. Roopal Mamtora, Prof. Varsha Patil, Prof. Suvarna Chaure and Prof. Asmita S. attended on Training the trainer: Aptitude in June 2017.
- Dr. Rizwana Shaikh, Prof. Pranita Mahajan, Prof. varsha P, Prof Rajesh Kadu, Prof. Preeti G and Prof. Deepti Reddy attended training on IONCUDOUS on 17th and 18th August 2017.
- Prof. Sunil K Punjabi has attended CII- Principals Conclave: Building Institutions of Excellence: on 20th November 2017.
- Prof. Sunil K Punjabi attended One day CII WR Higher Education Summit 2017, 23 August 2017, Vivanta by Taj President, Cuffe Parade, and Mumbai.
- All faculty members have attended seminar on funding agencies, 19th August 2017.

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DEPARTMENT OF PRINTING AND PACKAGING TECHNOLOGY

Annual Report 2017-18

1. Academic achievements:

University Rankers:

- Aparna Vinod – B.E. Printing & Packaging Technology – CGPI 8.83
- Sailu Shaji – B.E. Printing & Packaging Technology – CGPI 8.72
- Gokul Raju – B.E. Printing & Packaging Technology – CGPI 8.60

2. Collaborative/MOUs':

- An MoU was signed with Mercury Industries Limited in September 2017 for Industry-Academia collaboration under which 4 months internships have been granted for 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 17th Dec, 2016 to 16th Dec, 2017 for granting additional Softwares and licences for Artios CAD, Deskpack, Cape Pack, Studio Visualizer and Plato.

3. Department Initiatives:

- Department organized 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.



- Printweek India hosted its Flagship Jury Week for the Printweek India Awards in SIESGST between 18th September, 2017 to 21st September, 2017 where top print buyers, brand managers and print technologists assembled to judge 1000+ samples from all over India.



4. Academic / technical achievements of students:

- Ms. Aparna Vinod 2017 passout student from B.E PPT won the coveted student of the year award 2017, on November 2, 2017 conducted by Printweek India Magazine at St. Regis Hotel, Mumbai.



Sudhanva Jategaonkar and Hetal Vyas of Haymarket presenting the Student of the Year Award to Aparna Vinod, SIES GST

5. Cultural / sports achievements:

- Shrushti Patil (SE), Tejal J (TE), Shraddha K(TE), Pavanraj T (TE) Won 1st Position in One act Play Hindi Zonal Round in University of Mumbai Competition.
- Yashashree Patil from T.E PPT Won 3rd position in Collage making, Zonal Round in University of Mumbai Competition.
- Niraj Kori and Pavan Kulkarni from T.E PPT Won 1st Position in One act Play Marathi Zonal Round in University of Mumbai Competition.

6. Faculty achievements/Research grants:

- Prof. Prasad B. Iyer was elected as the Chairman of Education Committee under Indian Plastic Institute, Mumbai Chapter for Year 2017 -18.
- A consultancy project is 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.
- Dr. Sandesh Ramteke is appointed as a Visiting Faculty for M.E Plastic Engineering Program at Institute of Chemical Technology, Matunga, Mumbai since September 2017.

7. Seminars/workshops organised by departments

- 2-day certified training program on Lean Six Sigma Green Belt and Lean Management was conducted and 9 students participated in AMSIMR Ghatkopar by 3V Consultants on September 1-2, 2017.

- One SDP conducted by Dr. Sandesh Ramteke titled Technical paper writing on 9th October, 2017 for 58 Third year PPT students.
- Seminar on Benefits of Lean Six Sigma by XLNC Academy (for 45 students from Second, Third and Final year PPT) on 13th October, 2017.
- ISO 9001:2008 Internal Quality Auditor Training (13 for students from Third and Final year PPT) on 23rd and 24th October, 2017.



- Seminar by Alumni on the ReConnect 2018 day in January: Ms. Sukanya Ganapuram gave a seminar on Roadmap to Success in Printing & Packaging Industry and Ms. Anuradha Iyer & Mr. Harsh Sharma gave a seminar on Industry's Expectations.



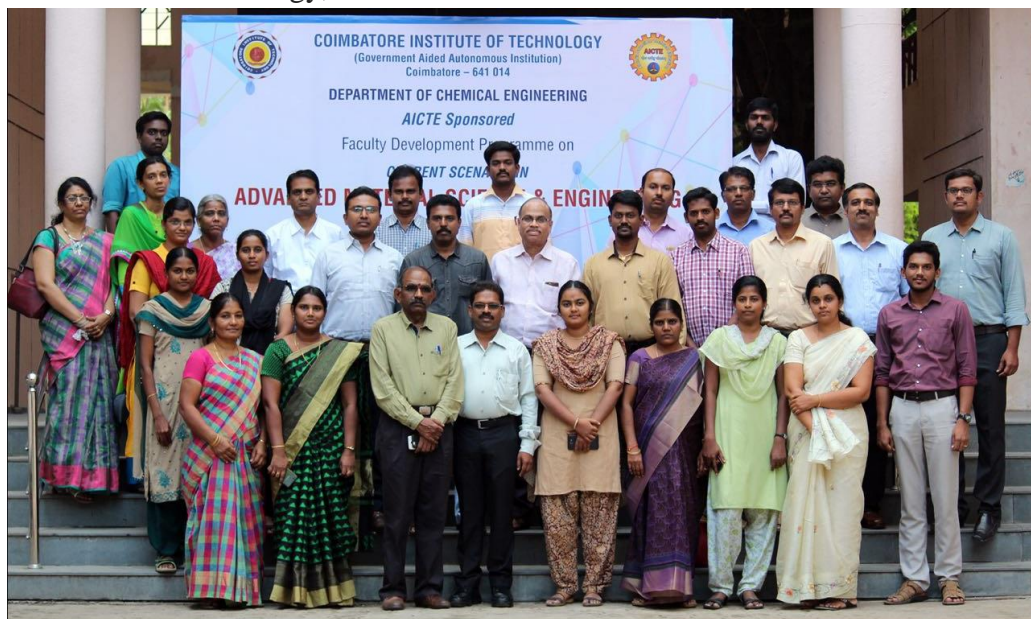
- A new Alumni Interaction Series (AIS) is planned to be started from March 2018 for current students to interact and learn from their seniors about careers and industry expectations.
- One-day Seminar by Industry experts is planned to be conducted in April 2018 under Indian Plastics Institute (IPI) student chapter.

8. Seminars/workshops attended by department faculty:

- Prof. Prasad B. Iyer and Prof. Subramanian S R attended Training on Value Based Teaching Learning Process on Aug 2, 2017 organized by SIES CTD.



- Prof. Sagar Waghmare, Prof. Subramanian S. R. and Prof. Avinash Singh attended a seminar titled “Funding Agencies and Preparation of Research Proposal”, by Dr. V M Phalle, on 18th August, 2017 organized by SIESGST.
- Prof. Prasad B. Iyer attended the CII Higher Education Summit 2017, on Aug 23, 2017 at Hotel Taj Vivanta, Mumbai.
- Prof. Prasad B. Iyer attended the IntelPack 2017 Exhibition for Printing & Packaging Industry on Sept. 27, 2017, at Bombay exhibition Centre, Goregaon.
- Dr. Sandesh Ramteke attended AICTE Sponsored two weeks FDP Program on Current Scenario in Advanced Material Science and Engineering from 30th October to 12 Nov, 2017, organized by Coimbatore Institute of Technology, Coimbatore.



- Prof. Prasad B. Iyer attended the PrintWeek India Awards night on Nov 2, 2017 at St. Regis Hotel, Mumbai.
- Prof. Prasad B. Iyer and Prof. Katyayini Tembadmani attended Print Business Outlook Conference 2017, on Dec 16, 2017, organized by NPES (The Association for Suppliers of Printing, Publishing and Converting Technologies) and BMPA (Bombay Master Printers’ Association) at Hotel Lalit, Mumbai.
- Prof. Gaurav Fasate and Prof. Avinash Singh attended the PAMEX 2017 Exhibition for Printing & Packaging Industry on Dec 19, 2017, at Bombay exhibition Centre, Goregaon.
- Prof. Prasad B. Iyer, Prof. Gaurav Fasate and Prof. Swati Dutt attended the Print Summit 2018 conducted by the BMPA at Nehru Centre Auditorium, Worli on Jan 17, 2018

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DEPARTMENT OF MECHANICAL ENGINEERING
Annual Report 2017-18

1. Academic achievements:

- Kalpesh Sontakke has achieved all India First rank at examination conducted by NPTEL on Introduction to Airplane performance.
- Sixteen students have secured admission in MS program abroad.
- Total 10 students appeared and passed examination conducted by NPTEL.

2. Collaborative/MOUs':

- MoU was signed with Perpetual Gravity Labs Pvt. Ltd., Navi Mumbai.
- MoU was signed with Indian Biodiesel Corporation, Baramati, Pune.

3. Department Initiatives:

- Department organised guest lecture series under Industry-Institute Interaction with Wartsila India Private Limited on topics – IC Engines 4 stroke (January 30, 2018), IC Engines 2 stroke (February 20, 2018) and Automation (March 13, 2018) – for third year and final year students.
- Department organised student development program on Ansys-Finite element analysis software and impartent training on alternate Saturdays for total duration of 30 hrs in Januray-February 2018.
- Special attention was given for weaker students to improve results of some subjects like Mathematics and Thermodynamics of Third semester. The results show improvement of 10% and 27% increase respectively.

4. Academic/technical achievements of students:

- A Team of 25 members of mechanical engineering students represented at BAJA Student India 2016 at Indor, MP from January 22-30, 2018.





- Mr. Mudassir Suhail from T.E. (Mechanical) has attended Master Trainer Workshop under SAGY, Workshop ON PKKVVY-TI, Pune on January 19, 2018.
- A team of 6 members of third year mechanical engineering students are qualified for national level competition 'GOKART' at Coimbatore, Kerala during February 9-19, 2018.

5. Cultural/sports achievements:

- Mr. Mudassir Suhail (T.E. Mech) has attended National Integration Camp, Ahmedabad, Gujarat in the month of September 2017.
- Aditya Patil (BE Mech), Rajat Mahadik (SE Mech) and Zahid Waghu (SE Mech) won bronze medal in relay at national level athletics competition held at VJTI Mumbai on 11th December 2017.
- Aditya Patil (BE Mech) and Rajat Mahadik (SE Mech) got 4th position in relay at national level athletics competition held at K J Somayya College of Engineering, VidyaVihar Mumbai on 11th December 2017.
- Our college cricket team lead by Aditya Patil (BE Mech) finished as runner up in the inter college season bell cricket tournament organised by SIES GST at cross-maidan CST on 1st Feb 2018.

6. Faculty achievements/Research grants:

- Prof. Lokpriya Gaikwad published paper in international journal Institution of Engineers Series-C, (Springer), Vol. 98, No. 1, in October 2017.
- Prof. Ganesh Kadam and Prof. Onkar Potadar presented paper in international conference COPEN-10, IIT Madras, Chennai, 6-9th December 2017.
- Prof. Ganesh Kadam and Prof. Onkar Potadar presented paper in international conference iCMMD 2017 at MIT Aurangabad, 11-12 December 2017.
- Dr.Kaustubh Chavan published paper in Optik - International Journal for Light and Electron Optics, Volume 147, Pages 373-384, October 2017.
- Dr.Kaustubh Chavan and Dr. Pradip Patil presented paper in international conference ATSMDE at VJTI Matunga, 21-22 December. 2017.

7. Seminars/workshops/industry visits organised by departments:

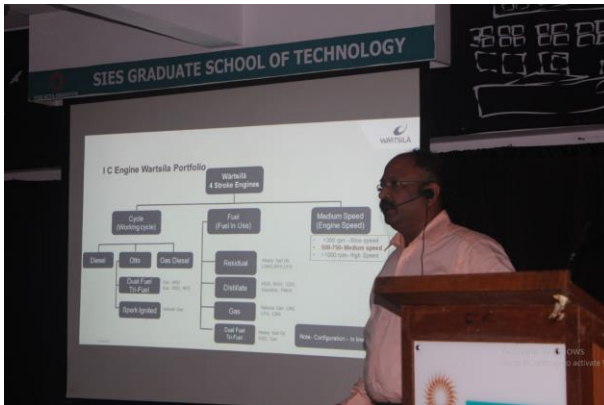
- A SDP was organized for final year Mechanical Students on topic 'Project Selection' by Mr. Prakash Garud - an Industrial consultant on October 07, 2017.

- An ISTE/AICTE approved one week STTP in association with SMC Pneumatics Ltd. was organized for all Mechanical Faculties on ‘Mechatronics and Industrial Automation’ from 1-5 Jan 2018.



- A SDP was organised for training students on ‘Ansys - a finite element analysis software’ on alternate Saturdays for total of 30 hours duration in January-February 2018.
- A SDP was organized for third year and final year mechanical students consisting of series of seminars on ‘4 stroke IC Engine’ by Mr. Sachin Pathak from Warstila Ltd. on 30 January 2018, ‘2 stroke IC Engine’ by Mr. Shekkey Prince Asirvatham A from Warstila Ltd. on 28 February 2018, and ‘Electrical and engine automation’ by Mr. Mandar Birje from Warstila Ltd. on 23 March 2018.





8. Seminars/workshops/FDPs attended by department faculty:

- Prof. M. Ali Ansari participated in two days FDP Program on ‘Mechatronics and Instrumentation’ organized by SMC, Belapur, Navi Mumbai, 18-19 September, 2017.
- Dr. Kautubh Chavan and Prof. Ganesh Kadam participated in one day seminar on ‘Importance of ONGC in Ensuring Energy Security for Sustaining Economic Growth’ by School of Business UPES Dehradun, 3rd November 2017.
- Dr. Kautubh Chavan participated in one week QIP Short Term Course on ‘Renewable Energy’ by VJTI Mumbai, 25th-30th December 2017.
- Prof. Ganesh Kadam and Prof. M. Ali Ansari participated in one week QIP Short Term Course on ‘Advanced Manufacturing Processes & Management Practices’ by VJTI Mumbai, 23rd-28th December 2017.
- Mechanical department all faculties participated in ISTE/AICTE approved one week STTP in association with SMC Pneumatics Ltd. was organized for all Mechanical Faculties on ‘Mechatronics and Industrial Automation’ from 1-5 Jan 2018.

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DEPARTMENT OF INFORMATION TECHNOLOGY

Annual Report 2017-18

1. Academic achievements:

Toppers:

Final Year:

- 1st Arjun Kapoor - BE (Information Technology) – CGPA 9.54
- 2nd Ravena Edassery - BE (Information Technology) – CGPA 9.23
- 3rd Vandana Jain -BE (Information Technology) – CGPA 9.15

Third Year:

- 1st Aishvarya Nair -TE (Information Technology) – SGPA9.58
- 2nd AakanshaDijendra -TE (Information Technology) – SGPA 9.32
- 3rd AbhinayaRajan - TE (Information Technology) – SGPA 9.2

Second Year:

- 1st Sara Nayak -SE (Information Technology) – SGPA 9.35
- 2nd PrajktaZaavde-SE (Information Technology) – SGPA 9.02
- 3rd ShakthiMudaliar- SE (Information Technology) – SGPA 8.85

Faculty Achievements:

- Prof.Varsha Mali has completed Post Graduate Diploma in Data Science.

2. Collaborative/MOUs':

- Department of Information Technology has signed MoU with ATS InfoTech Pvt. Ltd, a Microsoft-AEP on Feb 21, 2017.
- Department of Information Technology has signed MoU with IoTPro, Bangalore on 29/07/2017.
- Information Technology Department has signed MoU with Emtron Technologies Pvt. Ltd on 17/2/2018.
- Information Technology Department has signed MoU with Lab System (I)Pvt. Ltd-Pioneer in Digital Forensics in India, Mumbai on Apr 20, 2018.
- Information Technology Department has signed MoU with 9th Legend Inc on Apr 01, 2017.

3. Department Initiatives:

- IT Department has organized AICTE-ISTE approved STTP on “Data Analytics with R Programming” from 03-07, July 2017.



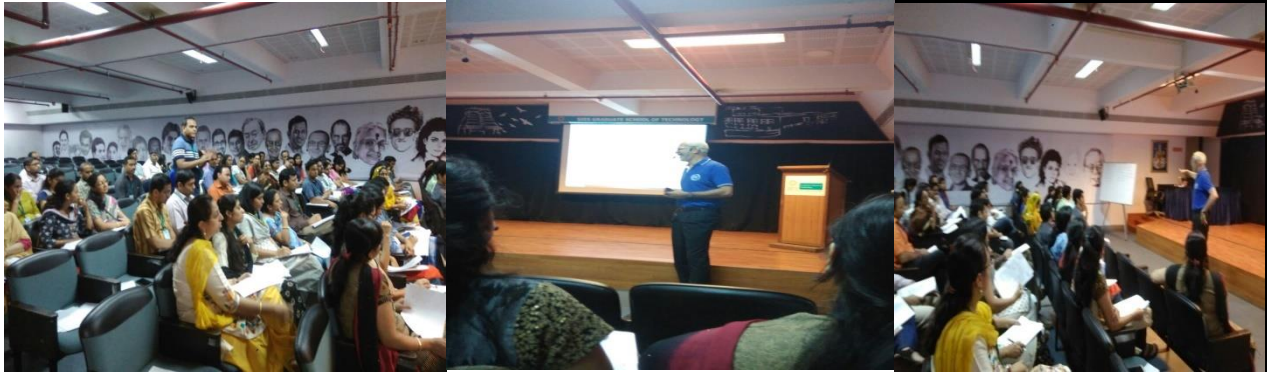
- IT Department has organized AICTE-ISTE approved STTP on “Machine Learning, Data Analytics and Python” by the Department of Information Technology from Jan 01-06, 2018.
- IETE Students’ Forum of SIES Graduate School of Technology organized National Level Technical Paper Presentation “TECHXTER 7.0” on March 01,2018.



- Department has organized one FDP on Challenges in Cloud Computing Application by Mr.Manoj Kulkarni ,Mensa Consulting Services Pvt. Ltd. on 29th Nov 17.



- Department has organized Faculty Development Program on “Mentoring Workshop” by Mr. P. Rajasekharan from Realyze Consulting Services on 3rd March 2018.



- Department has organized Orientation programme on “Computer Organization and Architecture & Microprocessor Programming Lab” on 10th January 2018 on behalf of University of Mumbai. Total 29 faculty from various colleges have attended the Orientation programme.



- Department has organized Student Development Program (SDP) on “Advanced Java” 18-23, Dec 2017 for TE IT/CE/EXTC students.



- Department has organized SDP on “Python Programming” from 20/01/2018 – 17/04/2018
- Department has organized SDP on Web Application Development using Django Framework (advanced) on 10/2/18 for CE/IT students.

4. Academic / Technical achievements of students:

- Mr. SarabhMulik of TE IT has selected for Project Deep Blue Competition Season 3.
- Mr. SarabhMulik of TE IT has completed and certified in course Web Technologist Level-1 with 94.7%.
- Mr. SarabhMulik of TE IT has completed and certified Android OS-Programming Level-1 with 74%.
- Mr. KoustubhModhave of TE IT has selected for Project Deep Blue Competition Season 3.

- Mr. Rahul Choudhary of TE IT has selected for Project Deep Blue Competition Season 3.
- Ms. Bhakti Jadhav of TE IT has selected for Project Deep Blue Competition Season 3.
- Mr. Sharan Iyer of TE IT has acquired Elite in NPTEL (Cloud Computing).
- Ms. Pooja Galgali of BE IT has acquired Elite in NPTEL (PYTHON).
- Mr. Emmanuel got First rank in Webmaster competition in Cognition 17 at SIES GST, Nerul.
- Ms. Priyadarshini Muthyala of BE IT won second place in quabble (Debate) competition at SIES GST, Nerul in 2017.

5. Cultural / Sports achievements of students:

- Ms. Reethika Renganatham of SEIT won 3rd Prize at Zonal level Singing Competition.
- Ms. Shrutika Iyer of TE IT secured 1st Prize in Fashion Show, KC College.
- Ms. Shrutika Iyer of TE IT secured 2nd Prize in Fashion Show, LTCOE.
- Mr. Samyak Bhat of BE IT secured 2nd in classical instrumental (Nonpercussion instrument) at University competition (Youth festival).
- Mr. Sagar Joshi won First place for counter strike 1.6 (Game) at SIESION Nerul on 15th Jan 2018.
- Mr. Jay Gautam of SE IT has secured 2nd position in Intercollegiate Cricket Tournament.
- Mr. Suraj Hedla of BE IT selected as a Runner up for Carrom Competition at SIES GST in 2017.
- Abhishek Avadhani runner up in Lakshya Rink Football at SIES Graduate School of Technology Nerul on 26th Jan 2018.
- Mohammed Yasin got 3rd place in Taekwondo at University of Mumbai on Feb 2018.

6. Faculty achievements/Research grants:

- Prof. K. Lakshmisudha has published a paper on "Research Analysis on Optimization of Energy Consumption in Wireless Sensor Networks", Advances in Wireless and Mobile Communications, Advances in Wireless and Mobile Communications. ISSN 0973-6972 Volume 10, Number 5 (2017), pp. 829-840.
- Prof. K. Lakshmisudha has Published a paper on Journal of Computational and Theoretical Nanoscience, Volume 14, Number 9, pp. 4268-4277(10). DPRA- FC: Dynamic Probabilistic Rate Allocation and Flow Control Algorithm during Congestion in Wireless Sensor Network., September 1, 2017. Indexing: Till 2016 (SCI).
- Prof. Seema Redekar has published a paper on "Luciferin Intelligent Light Systems", IJREAM, Vol 03, Issue 08, Nov 2017.
- Prof. Stuti A. has published a paper on "Luciferin Intelligent Light Systems" IJREAM, Vol 03, Issue 08, Nov 2017.

- Prof.PranjaliThakare has Published a paper entitled "Analyzingbehavioural attributes of driver and implementing safe driving model" in ieee explorer digital library with ISBN 978-1-5090-5677-4
- Prof. K. Lakshmisudha presented paper on “Ultrasonic navigation based blind aid for the visually impaired using sensors”, IEEE conference organized on 21st and 22nd September by Saveetha Engineering college, Chennai.”
- Prof.K.Lakshmisudha has completed pre thesis (synopsis meeting) for Ph. D on 7/2/2018 from Sathyabama Institute of Science and Technology, Chennai, Tamilnadu.
- Prof. Leena Ladge has registered for Ph.D and completed course work from SPIT, Mumbai.

7. Seminars/workshops organised by departments:

- Prof. Leena Ladge was convener of STTP on “Data Analytics with R Programming”, July , 03-07,2017.
- Prof.Mrinal Khadse & Prof.Varsha Mali has Organized AICTE-ISTE approved STTP on “Data Analytics with R Programming” 03-07, July 2017.
- Prof.MrinalKhadse Organized alumni interaction with students on Jan 6,2018.

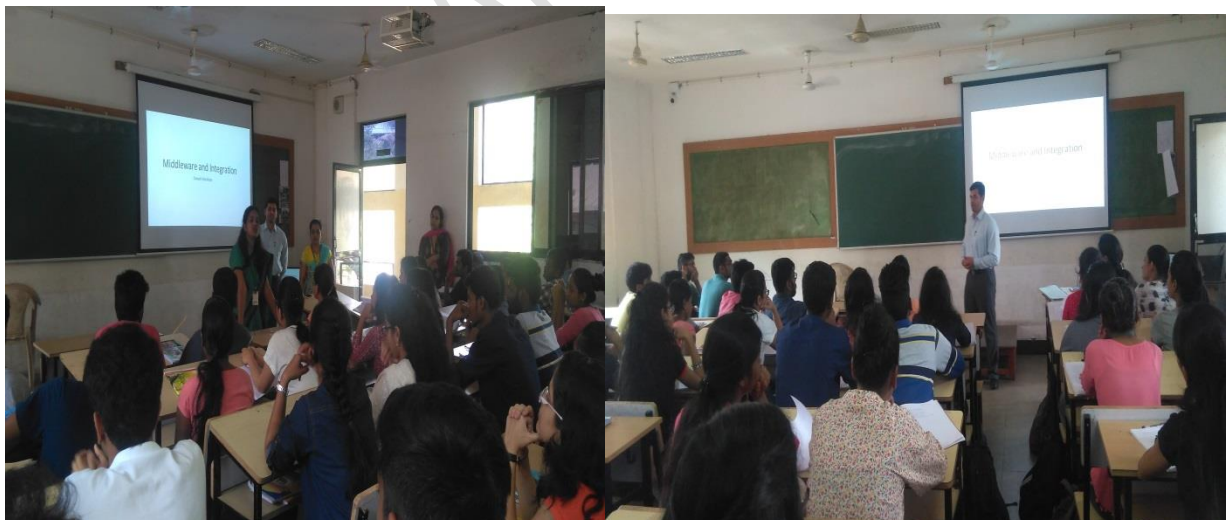


- Prof.K.Lakshmisudha&Prof.Deepali has Organized and attended FDP on Challenges in Cloud Computing Application by Mr.Manoj Kulkarni,Mensa Consulting Services Pvt. Ltd. on 29th Nov 17.
- Prof.MrinalKhadse ,Prof. Seema Redekar&Prof. Amit Conducted SDP on “Advanced Java “ 18-23, Dec 2017 for TE IT/CE/EXTC students.
- Prof. Vijay Katkar& Prof Varsha Mali conducting SDP on “Python Programming” from 20/01/2018 – 17/04/2018
- Prof. Savita Lohiya organised Seminar on technical paper writing for TE IT students.
- Conducted Higher Studies Awareness Seminar Prof.Lakshmisudha and Prof.Stuti Ahuja for for TE IT students on 13/04/2018.

- Gap bridging seminar on "Security in Linux", for SE IT students by Mr. Samuel, Information Security Consultant, SA on 05/04/2018
- Internship awareness Seminar for SE & TE IT by Dr.Janathan Joshi,CEO, Eduvance.on 04/04/2018.
- Gap bridging seminar on “Project Guidance Innovative Project Ideas & Guidance” for TE IT students by Mr. SiddharthRanganathan, Ingram Microgram 04/04/2018
- Gap bridging seminar on “Software Testing Tools “ for BE IT students,by Mr. Rajat Acharya (Software Engineer ,LnT Infotech) and Mr. SinitKole (Software Engineer, BNP Paribas) 27/03/2018



- Gap bridging seminar on “Middleware and Integration “for TE IT students by Mr. SaneshVelekkate Software Engineer L & T Infotech,Airoli. 26/03/2018



8. Seminars/workshops attended by department faculty:

- Prof. K.Lakshmisudha has attended STTP on “Data Analytics with R Programming” at SIESGST, July 03-07, 2017.
- Prof. K.Lakshmisudha has attended Orientation on 20th July 2017 at TernaEngg College.
- Prof. K.Lakshmisudha has attended Seminar on "value based teaching learning process" on 2nd August 2017 at SIЕСCOMS, Nerul.
- Prof. K.Lakshmisudha has Organized and attended FDP on Challenges in Cloud Computing Application on 29th Nov 17.
- Prof. K.Lakshmisudha was a resource person for faculty orientation program for the revised SE IT CBCGS syllabus on 20th July, 2017 for the Subject of “Principle of Communications” organized By Terna Engineering College.
- Prof. K.Lakshmisudha was Speaker for seminar on technical paper writing for TE CE Students.
- Prof. Leena Ladge attended STTP on “Data Analytics with R Programming”, at SIESGST, July , 03-07,2017.
- Prof. Leena Ladge attended AICTE Sponsored Two Days National Seminar on “Technologies for Development of Rural Areas”, at SPIT, Andheri, July , Nov 27-28, 2017.
- Prof. Leena Ladge attended AICTE –ISTE approved One week CAS program on “Numerical Techniques in Engineering Research”, at SPIT, Andheri, July , Dec 11-15, 2017.
- Prof. Leena Ladge was resource person for faculty orientation program for the revised syllabus SE IT CBCGS on 20th July, 2017 for the Subject of “Logic design” , “Digital Design Lab”, & “Principles of communications ”organized By Terna Engineering College.
- Prof. MrinalKhadse attended STTP on “Data Analytics with R Programming” , , July03-07, 2017.
- Prof. MrinalKhadse has completed 6 week FDP 101x and 201x on "pedagogy for online and blended teaching learning process ICT" by IIT Bombay.
- Prof. Savita Lohiya attended seminar on "Value based teaching learning process" on 2nd August 2017 at SIЕСCOMS, Nerul.
- Prof. Savita Lohiya has completed 6 week FDP 101x and 201x on "pedogogy for online and blended teaching learning process ICT" by IIT Bombay.
- Prof. Savita Lohiya has attended STTP on “Data Analytics with R Programming” at SIESGST, July 03-07, 2017.
- Prof. Seema Redekar has attended STTP on “Data Analytics with R Programming” at SIESGST, July03-07, 2017.

- Prof. Seema Redekar has attended FDP on Challenges in Cloud Computing Application on 29th Nov 17.
- Prof. Saritha L.R has attended STTP on “Data Analytics with R Programming” at SIESGST, July03-07, 2017.
- Prof. Saritha L.R has attended FDP on Challenges in Cloud Computing Application on 29th Nov 17.
- Prof. SamitShivadekar has attended STTP on “Data Analytics with R Programming” at SIESGST, July03-07, 2017.
- Prof. Varsha Mali has attended STTP on “Data Analytics with R Programming” at SIESGST, July03-07, 2017.
- Prof. Varsha Mali has attended FDP on "Cloud computing and its challenges" on 22nd Nov 2017 FDP on "Cloud computing and its challenges" on 22nd Nov 2017.
- Prof. Bushra S. has attended STTP on “Data Analytics with R Programming” at SIESGST, July03-07, 2017.
- Prof. Bushra S. has attended FDP on Challenges in Cloud Computing Application on 29th Nov 17.
- Prof. Stuti A. has attended STTP on “Data Analytics with R Programming” at SIESGST, July03-07, 2017.
- Prof. Stuti A. has attended FDP on Challenges in Cloud Computing Application on 29th Nov 17.
- Prof. Stephy B. has attended STTP on “Data Analytics with R Programming” at SIESGST, July03-07, 2017.
- Prof. Stephy B. has completed 6 week FDP 101x and 201x on "pedagogy for online and blended teaching learning process ICT" by IIT Bombay.
- Prof. Stephy B. has attended FDP on Challenges in Cloud Computing Application on 29th Nov 17.
- Prof. Deepali G. has attended FDP on Challenges in Cloud Computing Application on 29th Nov 17.
- Prof. PranjaliThakare has completed 6 week FDP 101x and 201x on "pedagogy for online and blended teaching learning process ICT" by IIT Bombay.
- Prof. PranjaliThakare has attended FDP on Challenges in Cloud Computing Application on 29th Nov 2017.
- Prof. PranjaliThakare got Elite Certificate in NPTEL course entitled "Introduction to Internet of Things.
- Prof. Amit P. has attended STTP on “Cyber Security and digital forensics” at SIESGST, July03-07, 2017.
- Prof. Amit P. has attended FDP on Challenges in Cloud Computing Application on 29th Nov 17.

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DEPARTMENT OF HUMANITIES AND APPLIED SCIENCES

Annual Report 2017-18

1. Academic Achievements:

- FE Sem I: Overall Percentage - 76.21 %
 - Number of students who scored SGPA 9 and above - 10
 - Topper: Mr. Chavan Ninad Vikrant with SGPA 9.89
- FE Sem II: Overall Percentage – 75.34 %
 - Number of students who scored SGPA 9 and above - 18
 - Topper : Ms. Mandal Sarita Sisir Kumar with SGPA 9.56

2. Departmental initiatives:

One of the departmental objectives was to involve students in activity-based learning. Taking this into account, a series of seminars, workshops, expert talks and orientation programs for the students was conducted by the Department of Humanities and Applied Sciences. A handful of initiatives taken by the internal faculties of the department are mentioned below:

- A Seminar on “Soft Skills” from 13 June to 15 June 2018 conducted by Dr. Manasi Karkare and Dr. Geetanjali Mishra, SIES GST.



- A Seminar on “**G suite for Education**” conducted by Ms. Sumitra Padmanabhan, SIESGST on 13 June 2018.



- A Seminar on “**Team Building**” on 17 Mar 2018 conducted by Dr. Manasi Karkare and Dr. Geetanjali Mishra, SIESGST.



- A Seminar on “**Art of writing letter**” on 17 Mar 2018, conducted by Dr. Ramkishan Bhise and Dr. Vijay Songire, SIESGST.



- A Seminar on “**Tracing a Curve**” on 17 Mar 2018, conducted by Mr. Mahesh Biradar, SIESGST.



- Expert talk on “**Stress Management**” given by Mr. Vidhu Sharma, Freelance consultant, on 22 Feb and 23 Feb 2018.



3. Academic/Technical Achievements of Students:

- Mr. Atharva Karnik, Ms. Diksha Adke had completed online course offered by MITX (Massachusetts Institute of Technology) with 97% and 98% score on Introduction in Aerospace Engineering.
- Mr. Vijay Anant was winner of “Speak for India” competition in District level, Dec 2017.
- Mr. Aakash Chavan won First prize in Maze Runner and third in Castle Maths - Intercollegiate event in K. J. Somaiya College, Dec 2017.
- Mr. Kanishk Govil, Mr. Ashutosh Mishra & Mr. Sadish Nadar got First prize in Counter strike, Chanakya College, Sep 2017.

4. Cultural / Sports achievements:

- Mr. Rishabh Kannamvar won **second prize in Hoopfest** organised by Amity University
- Mr. Rishabh Kannamvar was a **Winner in Basket ball** – Organised by Pillai’s group of institution
- Ms. Mansi Khamkar **represented state level** in Soft ball.

5. Faculty achievements/Research grants:

- Dr. Ramkishan Bhise invited as a speaker to participate in two panel discussion and **chair one of the panels in the APSFC on (Asia-Pacific Science Fiction Convention)** organized by Future Affairs Administration on 19 and 20 May, 2018 at China Science and Technology Museum of Beijing, China.
- Dr. Ramkishan Bhise worked as an **External examiner for subject life skills** at VJTI, Matunga, Mumbai on 19 April 2018.
- UGC **Minor research Project proposal**, Mumbai University sanctioned to Ms. Sandhya Bharambe (Amount sanctioned Rs. 60,000), March 2018.
- Dr. Vijay Songire published a Paper “**Optimism in Alice Walker's Meridian and Shashi Deshpande's Moving On**”, Conference proceeding, Research Journey: Multidisciplinary International research E- Journa Issue, March 2018 .
- Dr. Ramkishan Bhise worked as a Convener for National Level Workshop on “**Enhancing Professional Communication Skills: From A Teacher To A Trainer**” Organized by Smt P. N. Doshi Women's College, Mumbai on 24 Mar, 2018.
- Dr. Ramkishan Bhise worked as a Convener for one Day **Interdisciplinary International conference on Recent Advances in Languages, Literature and Social Sciences** on 17 February 2018 at Maulana Abul Kalam Azad Research Centre, Majnu Hill, Aurangabad.

- Dr. Ramkishan Bhise worked as a **Guest Editor** for special issue on the occasion of One Day International conference on **“Recent Advances in Languages, Literature and social sciences** (17 Feb 2018) Chronicle of Humanities and cultural studies (A Bimonthly Refereed International Journal - UGC approved).
- Dr. Ramkishan Bhise published a book **“Recent Advances in Languages and Social Sciences”** New Man Publication, 17 Feb 2018.
- Dr. Ramkishan Bhise was invited as a **Judge for an “Intercollegiate Book Review competition** organized by the Library department of Patuck-Gala College of commerce and Management, Santacruz, Mumbai on 27 Jan 2018.
- Dr. Manasi Karkare was nominated by Vice Chancellor of Mumbai University as a **“Subject Expert of Applied Physics”** for conducting Interviews for the post of Associate Professor at Datta Meghe College of Engineering, 18 Jan 2018.
- Dr. Manasi Karkare presented a paper **“Effect of metal doping on bandgap of anatase titanium dioxide nanoparticles”** at Global meet on Advances in Design, Materials and Thermal Engineering (GMADMT 2018 held at Saraswati College of Engineering, Kharghar on Jan 11 and 12, 2018)
- Dr. Ramkishan Bhise was invited as a **Judge for the Debate competition** organized during college week celebration USTAV-2017 at Smt. P. N. Doshi Women’s College of Arts, Ghatkopar, Mumbai on 16 Dec 2017.
- Dr. Manasi Karkare published a book **“Applied Physics - Volume 1”** I.K. International Publishing House Pvt. Ltd., New Delhi, 1 Aug 2017.
- Dr. Manasi Karkare published a paper in Asian Journal of Advanced Basic Sciences **“Effect of Metal Doping on Band Gap of Titanium dioxide Anatase Nanoparticles”**.

- Ms. Sandhya Bharambe published a paper in IJCPs - International Journal of Chemical and Physical Sciences **“Exploration of Synthesis Techniques to Tailor Properties and Applications of Nano Iron Based Metal Oxides”**.
- Dr. Ramkishan Bhise published a paper in Chronicle of Humanities & Cultural Studies (Chcs) **“History and Myths In Future of Science Fiction”**
- Mr. Mahesh Biradar published a paper in International Multilingual Research Journal **“Application of Elzaki Transform to Solve Integral Equations”**
- Mr. Ashwin Chavan published a paper in International Journal of Research and Analytical Reviews **“On Application of Fixed-Point Theorem for Solving Initial Value Problems and Integral Equations”**

6. Seminars/workshops organised by Department:

- **Summer Internship for FE EXTC – Dr. Atul Kemkar**

An orientation Program on “Summer Internship” for EXTC students was organized by Department of Humanities and Applied Sciences on April 20, 2018. Dr. Atul Kemkar, HOD, Department of electronics and telecommunication highlighted the students about the summer internship on “C ++ programming”. Prof Shivakumar explained the students about online NPTEL courses and value-added courses. He also gave idea about aptitude test and the need for it while facing interviews. Prof. Vivek gave details regarding C, C++ programming and also the hands-on training to be given to the students during internship.



- **Orientation Program – CE – Dr. Rizwana Sheik**

Department of Humanities and Applied Sciences has organized orientation program for first year students of CE Branch on April 20, 2018. Dr. Rizwana Shaikh, Head of Department of CE talked on Gap between Academia and Industry, the current scenario, Industry Projects, Market demand, provision for improvements and opportunities for Computer engineering students.

- **Interaction with HOD - ME - Dr. Nehate Rupendra**

SIES-GST, Department of Humanities and Applied Sciences organized orientation program for first year students of MECH Branch on April 20, 2018. Dr. Rupendra Nehate, Head of Department of ME highlighted the students on topics like entrepreneurship, centre of excellence, start-ups, placements, opportunities for ME students.

- **Internship awareness – IT – Prof. Lakshmi Sudha**

An internship awareness program has been organized by the Department of Humanities and Applied Sciences for first year students of IT Branch on April 20, 2018. Internship awareness seminar is held to assist the students to identify different opportunities for their internship in IT Engineering. Prof. Lakshmi Sudha, Head- Department of IT Engineering talked on Internship for IT students and its importance. Prof. Leena highlighted the students about the future scope of IT engineering.

- **Orientation Program – PPT – Prof. Prasad Balan Iyer**

Department of Humanities and Applied Sciences has organized a student Development Program for first year students of PPT Branch on April 13, 2018. Prof. Prasad Balan Iyer, Head of Department of PPT addressed on “The importance, future prospects of printing and packaging technology”. He also highlighted that students would be given various projects during vacation, based on the subjects to be learnt in their upcoming semesters.

- **Seminar on Solar Cells - Mr. Senthil Kumar, EXTC**

Student’s seminar on “Solar Energy” held on 3 Oct and 5 Oct 2017, by Mr. Senthil Kumar, EXTC Department.

- **FDP training on Ioncudos Software - Mr. Ashwin Chavan, H & AS**

The newly implemented software Ioncudos has many modules related to finding attainment level of every teaching learning activity. A session was conducted on April 26, 2018 in the Department of Electronics and Telecommunication to demonstrate the different activities, modules under Ioncudos.

- **Awareness session on Latex for FE faculties – Ms. Sumitra Padmanabhan, H & AS**

Awareness session on latex for First year faculty members was held on July 19, 2017. The session covered basic commands in latex for creating reports, test papers and focussed on use of Share Latex which is an open source tool. She also explained the various format used in Latex for publishing research articles.

7. Seminars/Workshops attended by Department faculty:

- A seminar on **“How to write and publish research articles”** by Dr. B.S. Lande on Feb 3, 2018 attended by Dr. Manasi Karkare, Ms. Asha Raj, Ms. Pratibha Sharma and Dr. G. Kanthimathi.
- Two-Week AICTE approved **FDP on “Pedagogy for Online and Blended Teaching-Learning Process”** from 14 Sep to 12 Oct, 2017 attended by Dr. Manasi Karkare, Mr. Mahesh Biradar, Mr. Ashwin Chavan, Dr. Snehal Kargirwar and Dr. Ram Bhise.
- Two-Week AICTE approved **FDP on “Foundation Program in ICT for Education”** from 3 Aug to 7 Sept 2017 attended by Dr. Manasi Karkare, Dr. Geetanjali, Mr. Mahesh Biradar, Mr. Ashwin Chavan and Dr. Snehal Kargirwar.
- AICTE-ISTE approved one-week Short Term Training Program on **"Data analytics with R Programming"** from 3 July to 7 July 2017 attended by Dr. Manasi Karkare, Ms. Asha Raj, Ms. Pratibha Sharma and Dr. G. Kanthimathi.

Dr. Manasi Karkare

- **“Workshop on Leadership Strategies for Mission 2025”** on 27 March 2018 by Prof. Vijayan of Central Training Department.
- Seminar on **“Sexual Harassment at work place”** by Ms. Shailaja Patil at SIESCOMS on Jan 12, 2018 by Central Training Department

Ms. Asha Raj, Ms. Pratibha Sharma & Mr. Ashwinkumar Chavan

- **Orientation Programme of Applied mathematics-III (CE&IT)** on 20 July 2017 in VIT, Wadala.
- **Orientation Programme of Applied mathematics-III (MECH)** on 03 Aug 2017 in MGM COE, Kamothe, Navi Mumbai.

Mr. Mahesh Biradar & Mr. Ashwinkumar Chavan

- Two-week AICTE sponsored Short Term Course on **“Fixed Point Theory and Dynamical Systems”** from 20 Nov to 30 Nov, 2017 at IIT (BHU), Varanasi, Uttar Pradesh.

Ms. Seema Khan & Dr. Geetanjali Mishra

- ISTE Approved **STTP on Contemporary Trends & Practices in Interpersonal Communication and Business Arbitration** from 03 April to 05 May 2018 at Thadomal Shahani Engg. College.

Dr. Savita Katiyar

- One day National conference on **“Trends and Challenges in Architectural coatings”** on 10 Feb 2018 at ICT, Matunga.

Dr. G. Kanthimathi

- One day **Mentoring workshop** conducted by Central training, SIES on 3 Mar 2018.

Dr. Snehal Kargirwar

- One-week UGC approved **STTP on Research Methodology** from 20 - 25 Nov, 2017 at Zunzunwala College, Ghatkopar.

**DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION
ENGINEERING
Annual Report 2017-18**

1. Academic achievements:

50000 research grant to students by NMMC.

2. Collaborative/MOUs':

- MOU with IoT-PRO, Bangalore dated 29/07/2017.
- Teleman Institute of wireless Technologies pvt. Ltd., Thane dated-30/10/2017.
- MOU with Emtron Technologies.
- MOU with DLink.

3. Department Initiatives:

- To increase SE & TE students participation in skill development programs by 50%
- To improve faculty participation in research activities by 50%.
- To initiate a process for strengthening core competency of students

4. Academic / technical achievements of students:

- Sanjeeb Bharali and Team have been selected for finals of Smart India Hackathon conducted by AICTE.



- Sanjeeb Bharali and Team published paper in IEEE conference ICECA held during 29-31 March 2018, Coimbatore, Tamilnadu. They also won Third prize in nation level project competition “Electrowiz”.



- Aamir Khan of SE EXTC won 2nd prize in Inquisitive-(National level Quiz) Under Techopedia 2017 Organized by IEEE SIES GST 15/09/2017 to 16/09/2017.
- Krishnanand Jha of SE EXTC won First prize in circuit-Mania Under Techopedia 2017 Organized by IEEE SIES GST15/09/2017 to 16/09/2017
- Sharath Chandra of BE EXTC has successfully completed NPTEL course on -Marketing Research & Analysis with ELITE certificate.
- Errumsetty Bhavya Priya of BE EXTC has successfully completed NPTEL course on Fundamentals of Database Systems with ELITE certificate.
- **Industry Internship**

Company Name	No. of Students
Eduvance	70
ExpertsHub Industry Skill Development Centre,Smt.Kashibai Navale CoE,Pune	04

5. Cultural / sports achievements:

- Mr. Edison Durai, Mr. Rahul Nadar & Mr. Anurag Shenoy of TE EXTC secured First place in intra-collegiate football tournament.
- Mr. Tamil Arasan of TE EXTC secured second place in intra box cricket tournament.
- Mr. Vivek Kadian of TE EXTC won Silver Medal in intra collegiate volleyball tournament.

6. Faculty achievements/Research grants:

- Minor Research project titled as “Human Skin As Touch Sensor” with Principal Investigator Prof. Vandana Sawant and co-investigator Prof. Pratibha Joshi. Prof Pratibha Joshi Presented Poster at Univesity.

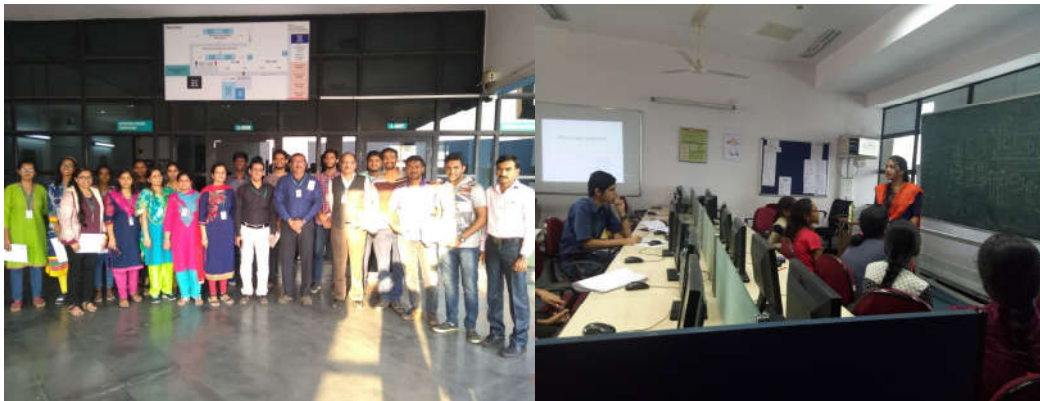


- Prof. Preeti Hemnani published paper in Int. J. Instrumentation Technology, Vol. 2, No. 1, pp.34–49(IJIT), Inderscience, published paper in Lecture Notes on Data Engineering and Communications Technologies, Springer, published paper in International Journal of Electronics and Computer Engineering, Scopus Indexed.
- Prof. Shubhangi Kharche published paper on “ Effect of radio link and network layer parameters on performance of Zolertia Z1 motes based 6LoWPAN” July 3-5, 2017, 8th ICCCNT, IIT Delhi, published paper in International Journal of Pure and Applied Mathematics, published paper in Helix, The Scientific Explorer.
- Biju Balakrishnan published paper in IEEE Explore Digital Library, Feb 15, 2018, pp 018-022 and in IEEE Explore Digital Library, Feb 15, 2018, pp 049-052.

- Prof. Vandana S. published paper in Journal of Emerging Technologies and Innovative Research (JETIR) 2018 JETIR May 2018, Volume 5, Issue 5.
- Prof. Priyanka Kadam published paper on “ Bandwidth Comparison for SIP and IAX Protocol through Asterisk”, IJIACS ISSN 2347 – 8616, Volume 6, Issue 10, October 2017.
- Prof. Siva E. secured All India Rank 1 in NPTEL course on "Analog Circuits & Systems through spice simulation”
- Prof. Preetee Khuperkar secured ELITE with GOLD medal in NPTEL course on “Introduction to research”.

7. Seminars/workshops organised by departments:

- Value Added Course on “Embedded System & IOT” was conducted by EXTC department for two weeks from 19 June to 10 July 2017. The speakers were Dr. Jonathan Joshi and Mr. Ganesh Gore, C.E.O and C.T.O of Eduvance. Total 69 students has successfully completed the course.
- Three days Hands on Training on FPGA Design using VHDL from December 20-22, 2017, by Prof. Preeti H, Prof. Preetee K., Prof. Sonal J, Prof. Pranavi M.



- Three days Hands on Training on Embedded system from December 20-22, 2017, by Prof. Pushkar Sathe.
- Three days workshop on Arduino based Embedded system design & introduction to IOT from December 26-28, 2017, by Prof. Vishal Gaikwad.
- Prof. Shishir J. and Prof. Vandana S. conducted workshop on Antenna design using IE3D on 3, 17 and 19th Feb 2018.



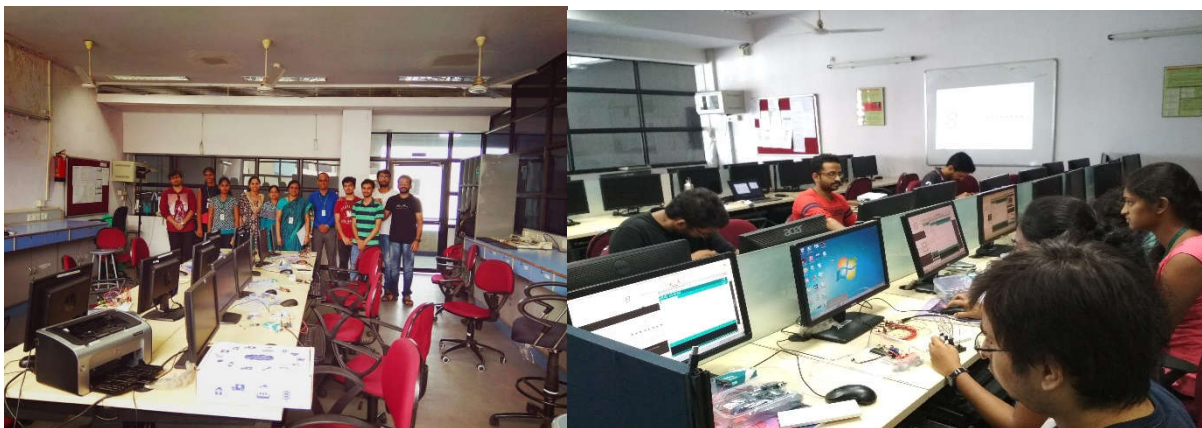
- Three days workshop on C & C++ from December 26-28, 2017, by Prof. Vivek Ramakrishnan.
- Prof. Shishir J. and Prof. Vandana S. conducted workshop on Antenna design using IE3D on 20 to 22nd June 2018.



- Prof. Pushkar Sathe, Vaishali Mangrulkar, Pranjali Thakre, Leena Ladge, Pratibha Joshi, Kintu Patel, Vishal Gaikwad conducted workshop on Internet of Things from 18 to 22nd June 2018.



- Prof. Vishal G. conducted workshop on Arduino based Embedded system design from 20 to 23rd June 2018.



IEEE Events

- 2 days Hands on workshop for “Internet of Things (IOT)” Mr. Niraj Kapase from 29/07/2017 to 30/07/2017.
- IEEE SIES GST organized Inquisitive (National level Quiz), Circuit Maniacs Under Techopedia 2017 on 15th & 16th Sept.2017
- IEEE SIES GST organized Sqabble (Debate) Under Techopedia-6 -- Judge by Guest of honor Mr. Jayamohan R. Nair Deputy Manager from ONGC.
- 4 weeks, R and Python programming by Sahaj S. and chaitanya MDO (IEEE student council) for the students of SE & TE EXTC.
- More than 25 various events were organized under IEEE SIES GST Student chapter.



7. Seminars/workshops attended by department faculty:

- More than 10 faculties completed different NPTEL courses.
- STTP on FPGA design using VHDL from 07th July'17 to 12th July'17. All faculty members had attended the program.
- FDP on "Efficient, Effective, Engineering Labs and Performance Management" 19th DEC. 2017 by Prof. Govind B. Lohiya.
- FDP on "Writing and Publishing Research Articles" on Jan 20, 2018 by Dr. B. K. Lande.
- Prof. Madhuri Kulkarni & Prof. Priyanka Kadam attended workshop on “Pedagogy for online and blended Teaching learning process” Sept 14- oct 2017.
- Prof. Madhuri Kulkarni & Prof. Priyanka Kadam attended workshop on “Foundation Program in ICT in Education” Aug 3-Sept 7 2017.
- Prof. Priyanka Kadam attended 4th International Conference on Advancement in Engineering, Applied Science and Management (ICAEASM-2017) on 8th Oct 2017.
- Prof. Nita Patil & Prof. Pratibha Joshi attended STTP on Sensor Technology and Innovations in Dec 2017 at K. J. Somaiya college of Engineering, Vidyavihar.

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