

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-vaijnath, 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 18th August 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 Shiroadkar, 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