

DEPARTMENT OF HUMANITIES AND APPLIED SCIENCES

1. Academic Achievements

FE Sem II (2020-21 batch): **Overall Pass Percentage – 100%**

Average SGPA – 9.56

- ❖ Total 22 students secured score of SGPA 10
- ❖ Total 308 students scored SGPA 9 and above

FE Sem I (2021-22 batch): **Overall Pass Percentage – 100%**

Average SGPA – 9.76

- ❖ Total 154 students secured perfect score of SGPA 10
- ❖ Total 329 students scored SGPA 9 and above

2. Department Initiatives:

- ❖ E- Admission guidance cell was initiated by Department of Humanities and Applied Sciences for FE admissions. Several online webinars were organised for students who have just finished their XII boards and were looking forward to step in engineering. One such session was conducted by Mr. Jonathan Joshi, Co-founder & CEO, Eduvance and he enlightened students about several branches of engineering by providing details about branch, their future scopes and problems that it tackles on 28.08.2021. The session was very lively with great enthusiastic involvement of all the students. Around 250 students participated in the webinar and they gave good feedback.



- ❖ A Mock CET online exam on Maths, Physics, Chemistry for engineering aspirants who registered in our college website for admission was conducted on 24th Aug 2021. Solution and YouTube links for short cuts and tricks on how to solve the problems was also provided to the students who participated in the test. A second mock CET was also conducted on 8th Sep 2021.

❖ The online FE Induction Program was conducted successfully from 27.12.2021 to 30.12.2021 for the new joiners. The first day session started with Orientation program addressed by Principal and HODs of all the departments. Several speaker sessions and alumni sessions were conducted to give an exposure to the students regarding college, placements and industry requirements. Daily the day started with the yoga session by the NSS team of our college and student council students arranged sessions like robotics, resume building, designing and so on. Creative and cultural activities like music, media, games etc. were also conducted through online mode. Two UHV sessions were conducted with the help of expert speakers. The students enjoyed all the days and they gave a very good feedback



3. Academic/Technical achievements of students

Winners for FE BugSquash

Team FE MAC - Yash Shinde, Vivek Rasal, Sanket Sondawle.

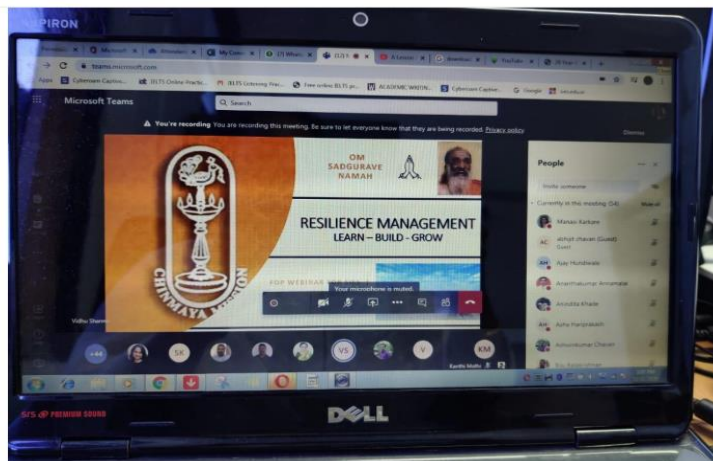
Team Regina Phalange - Rittika Pandey, Harshita Agarwal, SaiMeenakshi

Team Dark Horse Developers - Prajwal Dabekar, Apeksha Auti, Nivedha N

4. Seminars/Workshops organized/attended by Faculty of GST

❖ FDP organized by the department

- (i) A FDP on “Resilience Management” on 21st November 2020. The session was conducted by Leadership coach and Trainer Mr. Vidhu Sharma to build an awareness and build those resilience management skills to cope up with both professional and personal life pressures.

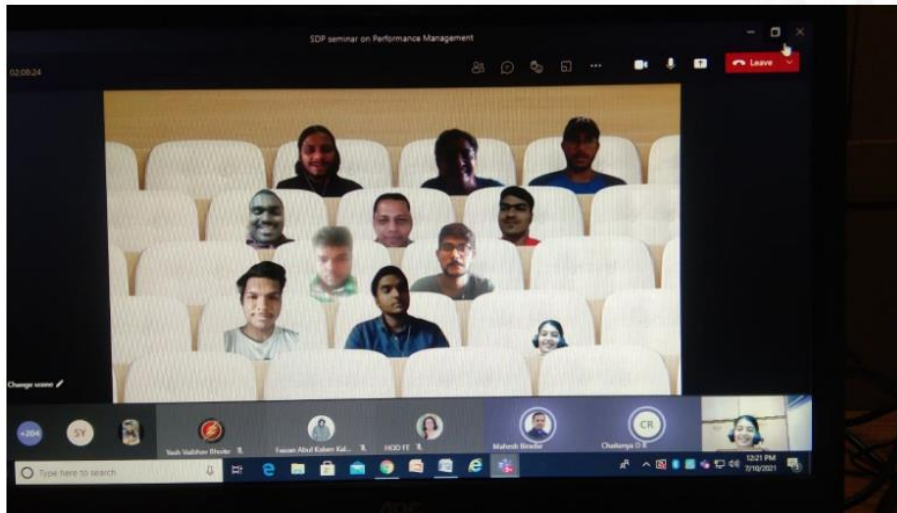


- (ii) A FDP on “Communication: A view less heard” was organized by H&AS department on 01.12.2021 for the faculties of GST. Mr. Jagdish Rattanani, faculty member at SPJMR and columnist and director for “Foundation of The Billion Press” was the resource person.



❖ **SDP organized by the department**

- (i) Organised an online UHV webinar on " Highway to dreams: tools to turn your dreams to goals" by Mr. Chaitanya, Analyst, Publicis Media and alumnus SIES GST on 10.07.2021

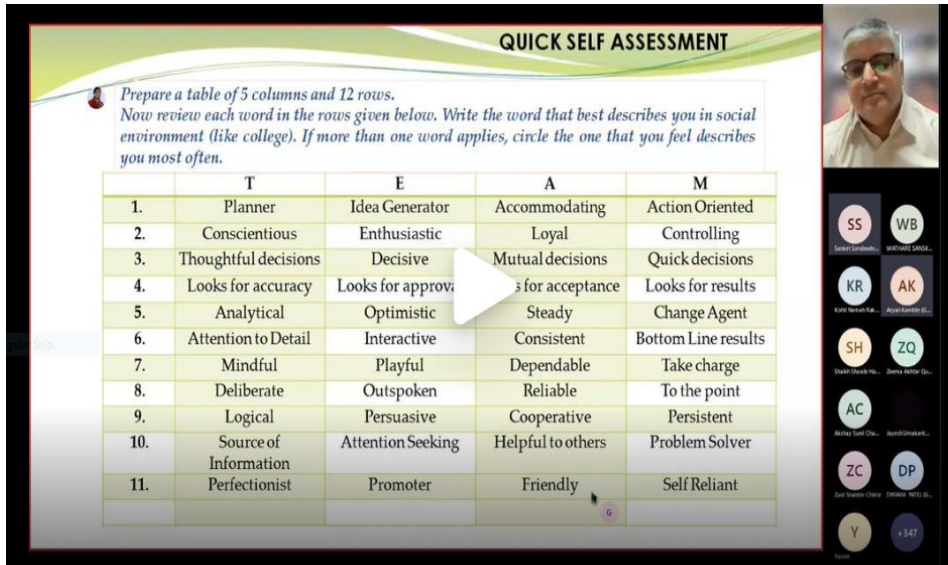


- (ii) Organised an online webinar on “Application of C programming in real life: an industry perspective” on 21.07.2021 by Mr. Pritam Negi Course Educator at GeeksForGeeks and alumnus SIES GST.



- (iii) Organised an online webinar on “An introduction to competitive programming using C language” on 24.07.2021.

- (iv) Organised an online UHV webinar on "Interpersonal Skills" by Mr. Vidhu Sharma, Corporate trainer on 28.12.2021 during FE induction program.



- (v) Organised a online UHV webinar on “Identifying your true guide” by Swamiji Chaitanya Das Prabhu, ISKCON Volunteer, on 29.12.2021 during FE induction program.



- (vi) Matrix event was conducted under the ISTE Students Chapter of SIESGST. This event is conducted every year exclusively for First year Engineering students which is a combination of PCM Quiz competition with fun and extensive problem-solving tasks on 09.04.2022.

- (vii) Promethean event was conducted under the Promethean Students' Chapter of SIESGST. It is a Poster Presentation Competition for FE to find Engineering Solutions to Environmental Problems on 23.04.2022.
- (viii) An online webinar “Learn from different MOOCs and showcase through LinkedIn Organised and delivered”, was conducted for FE students on 27.03.2022. Prof. Vijaya Patil organised and conducted the session.



- (ix) An online PTM was conducted for FE students on 21.05.2022. HOD Prof. Ashwinkumar Chavan addressed the parents regarding college vision mission, SEM I result, SEM- II IA1 result and plan of action, discipline rules, examination scheme etc. followed by class wise interaction of parents with the class in charges and respective faculties. Around 350 parents attended the meeting, and they gave good feedback about college and the faculties.

❖ Faculty Achievements:

1. Prof. Vijaya Patil was a recipient of the honour of an "Inspiring Women Awards 2022" from e Public News 24 in the STEM category for her contribution in the field of Applied Mathematics as a founder of you tube channel "The Math Virtuoso - master any concept of math in 20 mins"
2. Prof. Ashwin Chavan paper entitled "Some Results on Fixed Point Theorems In Complete Dislocated Quasi-Metric Space " published in the journal Advances And Applications In Mathematical Sciences - UGC Approved - May 2022.

3. Prof. Vijaya Patil

- (i) Published paper entitled “The making of box-office collection: qualitative insights from Bollywood” in Marketing Intelligence & Planning journal, Scopus indexed and UGC approved journal June 2022.
- (ii) Published conference paper entitled "Investigation of Blanking Clearance for IS277GI by Artificial Neural Network (ANN)" in IEEE Xplore 15-16, Jan 2022.
- (iii) Published conference paper entitled "Methodology for Identification of Quality of clean-Cut surface for IS2062HR sheet metal blanking using Random Forest" in IEEE Xplore 1-12, Dec 2021.
- (iv) Delivered a session as an expert in the orientation for subject MEDLO5012 - Statistical Techniques of University of Mumbai, for the branches Mechanical and Automobile Engineering on 16th of July in online mode from 11 am to 1 pm.

4. Prof. Mahesh Biradar, Prof. Somnath Pawar and Dr. Ramkishan Bhise published patent on “Design and development of deep learning algorithm for mammographic breast density for breast cancer prediction” on 08.07.2022

5. Prof. Mahesh Biradar published paper entitled "A study of enhancing security in healthcare using blockchain" UGC Care listed, Peer Reviewed and Refereed Journal-June 2022

6. Dr. Smitha Kumar presented paper on 7th International Conference on Innovation and Research in Technology and Engineering (ICIRTE 2022) – 8th and 9th April 2022.

7. Dr. G. Kanthimathi

- (i) Published paper entitled "Enhanced SHG performance of Cd 2+ doped DAST crystal featuring charge exchange owing metal ion-organic ligand for NLO applications" published in Inorganic chemistry communication journal Scopus indexed and UGC approved journal July 2022.
- (ii) Poster evaluator for two days in Poster Presentation at DAE Solid State Physics Symposium held at Bhabha Atomic Research Centre, Mumbai on 16-19, Dec 2021
- (iii) Poster presented in INUP-i2i Familiarization workshop held at IIT, Bombay 19-21, Jan 2022.

8. Dr Ramkishan Bhise published paper entitled "The portrayal of Indian freedom movement in R.K. Narayan’s waiting for the Mahatma" in Journal of Education: Rabindra Bharati University (Print only) ISSN : 0972-7175 (UGC Care listed, Peer Reviewed and Refereed Journal) March 2022.

❖ Program attended by faculties

1. Prof. Ashwin Chavan, Prof. Pratibha Sharma and Prof. Mahesh Biradar participated in the five days national level online “Workshop on Software in Mathematics and Statistics” (WSMS – 2021) on 02.08.2021 to 06.08.2021, organized by the Department of Mathematics, National Institute of Technology, Tiruchirappalli, Tamil Nadu.
2. Prof. Ashwin Chavan, Prof. Sumitra Iyer, Prof. Pratibha Sharma, Dr. Smitha Kumar and Dr. G. Kanthimathi attended one day webinar on “How to Conduct the AICTE Student Induction Program (SIP) 2021” on 20.09.2021.
3. Prof. Ashwin Chavan, Prof. Pratibha Sharma and Prof. Mahesh Biradar attended One Week Online Faculty Development Program (FDP) on "Advanced Mathematics Techniques in Engineering and Technology" from 18.10.2021 to 22.10.2021 sponsored by AICTE Training and Learning (ATAL) Academy, New Delhi and Organized by Department of Mathematics, M.D. University, Rohtak.
4. Prof. Ashwin Chavan and Prof. Pratibha Sharma attended ATAL Five days on "Statistical Foundations of Data Science and Machine Learning" from 27/10/2021 to 31/10/2021 at ICT, Mumbai
5. Prof. Ashwinkumar Chavan and Prof. Pratibha Sharma completed online Coursera course of 7 weeks on "Programming for Everybody (Getting Started with Python)" on April 2022.
6. Prof. Vijaya Patil and Dr. Smitha Kumar attended Five days Workshop on "KLA & IIT Madras Workshop on AI & HPC Technology in Semiconductor Manufacturing Confirmation" organised by IIT Madras and KLA from 27.09.2021 to 01.10.2021.
7. Dr. Geetanjali Mishra and Dr. Ram Bhise were Judges in National Conceicao Rodrigues Memorial Debate 2021 organized by Fr. Agnel, Bandra 08.10.2021.
8. Prof. Ashwin Chavan attended "Workshop on Performance Appraisal Management” conducted by SIES-CTD on 29.06. 2022.

9. Prof. Vijaya Patil
 - (i) Completed the 'Global Online Certification Course on Business and Operations Analytics' conducted by the National Institute of Industrial Engineering (NITIE), Mumbai.
 - (ii) Completed the 'Global Online Certification Program on Deep Learning in Finance' (NITIE), Mumbai.
 - (iii) Attended four Day workshop on Research organized by SIES Central Training Department & SIES college of Commerce and Economics (Autonomous), Ph D Centre on 10,17,22 and 23 Dec 2021.
 - (iv) Attended workshop on Research Methods using Design Science and Rigorous case study Approach by Prof Jayanth Jayaram from 18-20 Dec 2021.
 - (v) Seminar "New Editorial Policies - Decision Sciences Journal and Tips for Publishing in Top Tier Journals", organized by SIOM - Editors Choice 2021 | Webisode 1 on 22/09/2021.

- (vi) Webinar on industry-university partnerships for Sustainable Development Goals by WICCI Sustainable Businesses Council in partnership with Deakin University and the Australia-India Council, on 4/9/2021.
 - (vii) Coordinated for the webinar session on “Future scope of Engineering”.
10. Prof. Mahesh Biradar
- (i) Organized Cleanliness Drive in SIES GST campus along with PNS staff for occasion of NSS Foundation Day on 24/09/2021.
 - (ii) Organized Gandhi & Lalbhadhur Jayanthi Celebration by NSS volunteers on 2nd oct, 2021
 - (iii) Organized Social Awareness Skit by NSS volunteers on 24th oct, 2021.
 - (iv) Attended webinar on Age Vs Investment Portfolio conducted by CTD, SIES Speaker: Mr. P V Subramanyam and Mr. Abhishek on 23-oct-2021
 - (v) Attended Online National Level FDP On ADVANCED CONCEPTS OF OUTCOMES-BASED EDUCATION organized by Inpods India Private Limited during 6-8 October, 2021
 - (vi) Attended FDP on IOT: Our Connected World by Speaker: Mr. Hannan Satopay, IEEE Bombay TPAC Secretary on 30/11/2021.
11. Prof. Seema Khan organized
- (i) Webinar on "Soft skills for employability and Entrepreneurship" for the students of Third Year Engineering. The session was conducted by Dr Aparna Rao, Senior Project Manager, IIT Bombay's DS School of Entrepreneurship on 04/09/2021.
 - (ii) Organized Campus Recruitment for BE 2022 - EXTC, CE, IT, ME.
 - (iii) Organized 3-days workshop on Banking and finance by IDBI Intech on 03, 04 and 06 December 2021.
12. Dr. Smitha Kumar
- (i) Conducted Matrix and Promethean event for FE – April 2022.
 - (ii) Attended Five days FDP on "Green Technology & Sustainability Engineering" organized by ATAL from 21/09/2021 to 25/09/2021
 - (iii) Attended five days FDP on "Processing of Novel Materials" organized by ATAL from 22/11/2021 to 26/11/2021
13. Dr. G. Kanthimathi
- (i) Participated in DAE Solid State Physics Symposium held at Bhabha Atomic Research Centre, Mumbai on 16-19, Dec 2021.
 - (ii) Attended a UHV refresher course for five days conducted by AICTE from 30.08.2021 to 03.05.2021
 - (iii) Attended online FDP on Recent Advancement in Nanomaterial & Green Technology For Sustainable Engineering organized by Rajiv Gandhi Institute of Technology Mumbai from 06.10.21 to 08.10.21
 - (iv) Evaluated answer scripts of M.Sc. Nuclear Physics (second year) for Sri Sai Sathya Institute of Higher Learning, Andhra Pradesh
 - (v) Completed an eight-week coursera course on " Nanotechnology - A maker's course" on 26th Aug 2021.
 - (vi) Organised a online UHV webinar on "Interpersonal Skills" by Mr. Vidhu Sharma, corporate trainer on 28.12.2021 during FE induction program.
 - (vii) Organised a online UHV webinar on “Identifying your true guide" by Swamiji Chaitanya Das Prabhu, ISKCON Volunteer, on 29.12.2021 during FE induction program.

- (viii) Attended a three days online workshop on “Secrets to write a fund fetching research proposal” by Shah and Anchor Kutchhi Engineering college, Mumbai from 06.09.2021 to 08.09.2021.
14. Prof. Pratibha Sharma completed ATAL 5-days workshop on ‘Mathematical and Statistical Foundation for Business Analytics’, at National Institute of Industrial Engineering, Mumbai, from 18 Oct 2021 to 22 Oct 2021.
15. Dr. Ram Bhise
- (i) Completed training for Aviation organized by Aviation English Language Training Organization, Airports Authority of India, from 28 to 31st Oct 2021.
 - (ii) Completed successfully ATAL Academy FDP on " Developing Interpersonal Skills" from 06.12.2021 to 10.12.2021
 - (iii) Judge in National Conceicao Rodrigues Memorial Debate 2021 organized by Fr. Agnel, Bandra 08.10.2021
 - (iv) Invited as Subject Expert and Webinar given on the topic "Interview Skills" organized by Mukesh Patel School of Technology, Shirpur Campus
 - (v) Worked as Subject Expert for subject communication skills at USSC Interview at Universal college of Engineering, Vasai, Mumbai on 02 February 2022.
16. Dr. Arpita pal attended “Municipal solid waste management: Technology development to sustainability assessment” organized by H & AS Department, Lokmanya Tilak COE, Koperkhairane on 18.11.2021.
17. Dr. Pooja Singh was awarded K Shankar Meritorious Paper Award - 2021 for her research paper published on “Modeling and measuring common cause failures in measurement of reliability of nuclear power plant systems” by IEEE Bombay Section.