

DEPARTMENT OF HUMANITIES AND APPLIED SCIENCES
Annual Report 2022-23

Academic Achievements

FE Sem II (2021-22 batch): **Overall Pass Percentage – 80.83%**

Average SGPA –

- ❖ Total six students secured score of SGPA 10
- ❖ Total eighty seven students scored SGPA 9 and above

Departmental Initiatives:

1. An FE induction Program was conducted for the first year engineering students on 04.12.2022. Our Hon. Advisor Dr. P.V. Parameshwaran Sir addressed the students followed by Principal Dr. Atul Kemkar, Vice Principal Dr. Aparna Bannore, FE coordinator Prof. Pratibha Sharma and Student Council incharge Dr. Smitha Kumar's address. Two sessions were conducted the same day and students were introduced to the various facilities available in the college and also informed about the rules and regulations of the college.



2. On behalf of Admission Cell –SIES GST, Department of Humanities and Applied sciences had set up an admission cell and conducted several online webinars on “Guidance for Engineering admission”. During this webinar, all the head of the departments highlighted their branch details and scope emphasizing new emerging branch of engineering details too. Guidelines for filling CAP and Institute level forms, Option form filling were also given and their queries were resolved. Engineering aspiring students and parents appreciated the webinar and they gave good feedback for the webinar.

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- An online mock CET test for Maths, Physics and Chemistry was conducted for engineering aspirants on 04.08.2022. 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 Universal Human Values session on “Goal setting” was conducted exclusively for FE students by Department of H & AS with guest speaker Dr. Manasi Karkare. Three days the sessions were conducted for all the divisions of FE on 05, 06 and 11.01.2023.



- 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 25.03.2023.



Faculty's Achievements:

1. Prof. Pratibha Sharma
 - (i) Presented a paper at Alliance International Conference in Mathematical Sciences on 28th Apr 2023.
 - (ii) Successfully completed 12 weeks online NPTEL course and FDP on "Essentials of Data Science with R-software-I" with Elite and silver certificate, Jan-April 2023.
 - (iii) Successfully completed an online course on 'Statistical Methods for Decision Making' offered by Great Learning Academy.
2. Prof. Pratibha Sharma and Dr. Ashwinkumar Chavan completed online Coursera course of 7 weeks on "Programming for Everybody (Getting Started with Python)" on April 2022.
3. Prof. Ashwin Chavan
 - (i) Coauthored a book entitled "Engineering Mathematics I" - Tech Neo Publication for University of Mumbai FE syllabus.
 - (ii) Successfully completed an online NPTEL course cum FDP on "Data Analytics with Python" with an Elite and Silver certificate, in April 2023.
 - (iii) Developed one Udemey course named "Basics of Laplace transforms".
 - (iv) Developed one MOOC for FE students on Canvas platform named "Double Integration".
 - (v) Delivered expert talk on "Applications of Higher order differential equations" in SVKM's institute of Technology, Dhule on 04.06.2022.
4. Dr. Ramkishan Bhise
 - (i) Published book on "Universal Human Values and Professional Ethics" by Taran Publication with ISBN 978-81-19295-09-8.
 - (ii) Published book on "Curriculum development of ESL Programmes in Higher Education" by Taran Publication with ISBN 978-81-19295-07-4.
 - (iii) Awarded with State Level "Star Maharashtra Che Award" by MCM TV & Sai sagar Entertainment, Maharashtra on 16 October 2022.

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- (iv) Worked as Convener and also paper presented for three-day 16th International & 52nd Annual Conference from 8-10 December 2022 at Changu Kana Thakur Arts, Commerce and Science College, New Panvel, Navi Mumbai.
- (v) Paper presented in one day international conference at Shri Panditguru Pardikar college, Sirsala, Beed (MS) on 24 December 2022.
- (vi) Chaired session in National conference on Language and literature teaching skills on 15 April, 2023 at ADCET, Sangali.
- (vii) Invited as guest speaker (Resource Person) in National Seminar by Swami Vivekanand Chair, Swami Vivekanand Subharti University, Meerut, UP on 14th Feb 2023.
- (viii) Resource Person for Technical Session I: “AI and Science Fiction” in the Two-Day National Online Conference on Artificial Intelligence: VTM NSS College, Dhanuvachapuram on 22.03.2023.
- (ix) Invited as Resource person for the one-day seminar on 04 February 2023 at Sonubhau Baswant College of Arts and commerce, Thane.
- (x) Invited as the Resource person for the 11th Faculty Induction Program during the period 01- 28 sept 2022 by UGC-Human Resource Development Center, Dr. Harisingh Gour Vishwaviyalaya, Sagar (MP), India.
- (xi) Invited as guest lecture for law students on 21 January 2023 at Shri. Shivaji Law college, Parbhani.
- (xii) Keynote speaker for Students of Madrasah Ibtidaiyah Teacher Education Study Program, Faculty of Tarbiyah and Teacher Training UIN Sayyid Ali Rahmatullah Tulungagung, East Java, Indonesia.
- (xiii) Invited as Expert Lecture in one week “Soft Skill Training Programme” under ISTE Student Chapter at Saraswati Institute of Technology, Kharghar, Navi Mumbai on 01 August, 2022.
- (xiv) Invitation as Subject Expert in Communication Skills nominated by Vice Chancellor for University Staff Selection Committee Interview at New Horizon Institute of Technology and Management, Thane (W) on 07 September 2022, Vishwaniketan’s Institute of Management Entrepreneurship and Engineering Technology (VIMEET) Khumbivali dated 01 July 2022.
- (xv) Nomination as subject expert/Member of selection Board for Interview for direct recruitment to Kendriya vidyalaya sangathan (KVS, Regional office, IIT Powai, An autonomous body under Ministry of Education, Govt of India).

5. Dr. Pooja Singh

- (i) Received the IEEE India Council's "Woman Technologist of the Year" award on 10.11.2022.
- (ii) Received Prestigious IEEE K Shankar Meritorious Paper Award 22: Journal Professional Category in the IEEE Transactions & Journals by IEEE Bombay Section Members. The paper will be presented at the 5th IEEE Bombay Section Signature International Conference, scheduled during June 8-10, 2023.
- (iii) Published paper "An Effective Approach to Teach Instrumentation and Control Systems for Engineering Students," in IEEE Transactions on Education, , April 2023.
- (iv) Published paper on "Reliability and Performance Evaluation of Safety Critical Instrumentation & Control Systems of Nuclear Power Plant," in IEEE Transactions on Reliability, May 2023.
- (v) Published paper "Reliability and Performance Evaluation of Safety Critical Instrumentation & Control Systems of Nuclear Power Plant," in IEEE Transactions on Reliability, April 2023.
- (vi) Reviewed two papers in 4th International Conference on Communication Systems, Computing and IT Applications (CSCITA-23).
- (vii) Delivered a talk as an Keynote speaker: Asia-Pacific Conference on Image Processing, Electronics and Computers (IPEC2023) held in Dalian, China during April 14-16, 2023.
- (viii) Paper entitled "Dependability Analysis of Safety Critical and Control Systems of NPP", published in Nuclear Engineering and Design, Elsevier Oct 2022.
- (ix) Published a book chapter entitled "Nuclear Reactors - Spacecraft Propulsion, Research Reactors, and Reactor Analysis Topics" in book Reliability Analysis of Instrumentation and Control System, Oct 2022.
- (x) Was invited as a resource person and conducted a workshop on "Design and Development of Massive Open Online Course (MOOC): Series - II" organised by IQAC cell of SIESGST on 14.03.2023.

- (xi) Successfully completed an online course on “Coursera Introduction to Data Analysis” using Microsoft Excel after the assessment of quiz and submission of the project on 29th Nov 2022.

6. Prof. Vijaya Patil

- (i) was a recipient of the honor 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".
- (ii) 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.
- (iii) 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 July 2022.

7. Dr. Smitha Kumar

- (i) Successfully completed a four week online NPTEL exam on “Bio medical Nanotechnology” during Nov 2022.
- (ii) Reviewed the paper on 'Effective removal and recovery of lead from industrial wastewater using natural biomass’ for Journal of Science and Arts on 18.8.2022.

8. Dr. Sandhya Bharambe

- (i) Paper presented titled "Synthesis and characterization of nickel ferrite nanoparticles by using auto-combustion method in Spintronics based Advanced Nano-Materials"(SANM-22) December-16-17, 2022.
- (ii) Successfully completed 12-week online NPTEL on “Techniques of materials characterization” during Jul-Oct 2022.

9. Dr. G. Kanthimathi

- (i) Published paper entitled "Enhanced SHG performance of Cd²⁺ doped DAST crystal featuring charge exchange owing metal ion-organic ligand for NLO applications" published in Inorganic chemistry communication (Scopus indexed and UGC approved journal) July 2022.
- (ii) Topper with Elite+Gold certificate in an NPTEL course on "Designing online MOOC course" April 2023.
- (iii) Presented poster in INUP Nano familiarization workshop held by IIT-Bombay during Jan 23-25, 2022.
- (iv) Gave oral presentation in INUP Hands on training program held by IIT Bombay during 13-22, Feb 2022.
- (v) Presented a paper at International Conference on Multidisciplinary Approach in Technology and social development (ICMATSD-2023) on 25th May 2023.
- (vi) completed an online NPTEL course on "The Science of well being and Happiness" – April 2023.

10. Dr. Arpita Pal was a Judge for Elocution Competition conducted by Education Department at Adarsh Vidyalaya, Chembur on 22.12.2022.

11. Prof. Suman Sharma

- (i) Delivered guest lecture on SWOT -A tool for personal assessment organised by WICCI Uttarakhand -Mentoring and Soft Skills Council on 23.02.2023.
- (ii) Conducted a Guest Lecture and interactive session for diploma students of Saraswati Institute of Technology on Personality Development on 28.02.23.

Doctoral Degrees:

Dr. Ashwin Chavan was awarded Ph. D. on September 2022.

Student's Achievements:

Promethean winners

Shreni Budhale	CSE-IOT
Vasundhara Maheshwari	CSE-IOT
Pratiksha Pramod Samal	CSE-IOT
Shreyash Marathe	CSE-IOT
SriPranav R	CE
Vignesh Pillai	CE
T Naresh	CE
Mohammed Sami shariff	CE
Aryan Trimbakkar	ECS
Omkar Raut	ECS
Anurag Thakur	ECS
Ayaan Dwivedi	AIDS

Sports:

Shreyash Marathe	FE	Chess	Intra College Tournament	Winner
Pranjal	FE	Carrom	Intra College Tournament	Runner-up

Cultural:

Nischay Shetty	ME	Treasure Hunt	First Rank
Soham pote	AIDS		
Yash salunke	AIDS		
Ruchi Chavan	CE		Second Rank
Sharanya Maisa	CE		
Satish	CE		
Tanishq	AIML	Ninjutsu	First Rank
Abdullah	AIML		
Rishabh	AIML		
Jay venkatesh	AIDS		Second Rank
Om Vedak	AIDS		
Shabin	CE		
Shideshwar Sanjiv Chavan	FE ECS	Break Out	First Rank
Riddhesh Ramesh	FE ECS		
Pratiksha Samal	CSE(IOT)		Second Rank
Steffy Fernando	CSE(IOT)		

Technical:

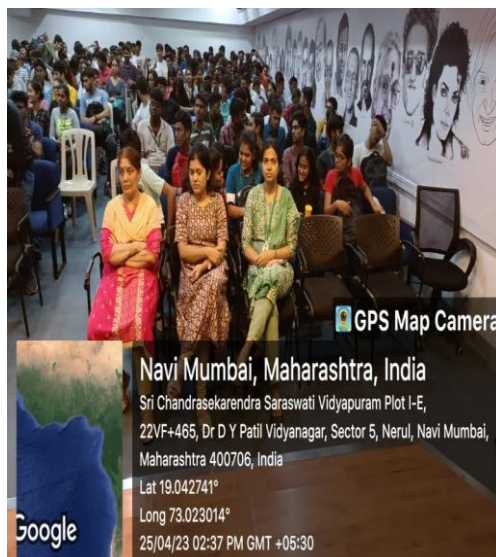
Rajneel choughule Shravani Shinde	FE AIML	Laser-Tag
	FE AIML	
Bibek Choudhary Advait Deshmukh	FE AIDS	
	FE AIML	

Seminars/Workshops organized/attended by Faculty of GST

1. A FDP was organised by Department of H& AS on Research in Digital Age By Dinesh Ku. Singh, Group Leader, TCS on 15th Oct 2022. Prof. Seema Khan and Prof. Mahesh Biradar were the coordinators for the webinar. All faculties of H& AS attended the webinar.



2. A SDP seminar was conducted for FE students on “Get Set Go-aL: Mapping Your Path to Success: Strategies for Achieving Your Career Goals” by Dr. Aman Panchal on 24th and 25th April 2023.



3. All faculties of H&AS attended FDP on “National Education Policy and its Implementation” by Dr. Suresh Ukarande conducted by IQAC-SIES CTD.
4. Dr. Arpita Pal, Dr. Kanthimathi, Dr. Pooja Singh, Prof. Aparna Ghadge attended webinar on “Finance Management and Planning” by SIESGST and SIES CTD on 14th Sep 2022.
5. Dr. Pooja Singh and Prof. Aparna Ghadge attended online National level Panel Discussion on Role of teachers in Holistic development of students on 23rd Aug 2022 and 8th September 2022.
6. Prof. Ashwin Chavan attended "Workshop on Performance Appraisal Management” conducted by SIES-CTD on 29.06. 2022.
7. Dr. Sandhya Bharambe
 - (i) Successfully completed ‘Te-Searchers’ 5 days FDP on “Quantum Physics leading way to Photonics during 10-14 October 2022.
 - (ii) Attended one week FDP on "Leadership Skills for enhancing Personal & Organizational Outcomes" conducted by G. H. Raisonni University, Saokheda, during 28/11/2022 to 03/12/2022.
 - (iii) Successfully completed the National level Faculty Development Program on "Analysis of Engineering System Using Creo" held from 15th Oct 2022 – 20th Oct 2022 organized by BVB's Sardar Patel College of Engineering in collaboration with SAE India Western Section, InvensysCAD Solution, and Indian Institution of Industrial Engineering.
 - (iv) Successfully completed STTP on "Implementation of NEP-2020 for University and College Teachers and obtained 'A' Grade, December 05-13, 2022.
 - (v) Completed STTP on “Updates in teaching learning techniques and research", 19-23 Dec 2022.
 - (vi) Attended National Webinar on NEP - Reforms in teaching, learning and assessment organized by K. J. Somaiya College of Science and Commerce, Mumbai, on 11th May, 2023.
 - (vii) Participated in the world record for "Virtual Yoga class" on International Yoga Day organised by Habuild on 21st June 2023.

8. Dr. G. Kanthimathi

(i) Attended one week FDP on Leadership Skills for enhancing Personal & Organizational Outcomes conducted by G. H. RAISONI UNIVERSITY, SAIKHEDA during 28/11/2022 to 03/12/2022.

(ii) Participated in Physics camp held in Tata Institute of Fundamental Research, Mumbai from 16.01.2023-20.01.2023.

9. Prof. Suman Sharma attended three days international program on Indian ELT: Imitative or Generative CKT College, Navi Mumbai on 08/12/22 to 10/12/22.

10. Prof. Aparna Ghadge attended FDP on “Data Analytics in Banking” on 24th Sep 2022.

Co-Curricular Activities

1. Parent Teacher meeting of First Year Engineering of Semester – I was conducted on 31.12.2022. Division wise PTM was conducted with Class -In charge and respective subject faculties. Dr. Atul Kemkar, Principal and Prof. Pratibha Sharma, FE corodinator, came and addressed all the divisions and he discussed about the failures of UT-1 and attendance. He also informed the parents to make their ward attend regularly the extra lectures and remedial planned to score good in UT-2. Around 280 parents attended the meeting and they appreciated college and faculties for their efforts. Feedback was taken and they all gave good feedback.
2. A PTM for Sem – II for First Year Engineering was organized on 13.05.2023. Division-wise meetings are conducted for parents with the class -In charge and their respective subject faculties. Parents were informed of the marks of UT-1 and the attendance status of their wards. Around 80 parents attended the meeting, and they appreciated the efforts of the college and faculties in organizing such a meeting and addressing the student’s performance and attendance. Feedback was taken and all the parents provided good feedback, indicating their satisfaction with the college and faculties.