

DEPARTMENT OF HUMANITIES AND APPLIED SCIENCES
Annual Report 2023-24

Academic Achievements

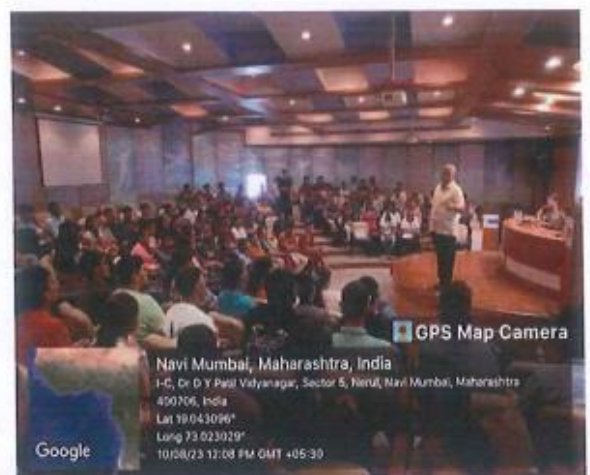
FE Sem I (2023-24 batch):

Average SGPA – 8.11

- ❖ Four students secured score of SGPA 10
- ❖ Seventy one students scored SGPA 9 and above

Departmental Initiatives:

1. The First Year Engineering (FE) Induction Program spanned five days, running from August 7, 2023, to August 11, 2023. The inaugural day commenced with an orientation program featuring a welcome address by our esteemed Honorary Advisor, Dr. P.V. Parameshwaran. Subsequent speakers included Principal Dr. Lakshmi Sudha, Vice Principal Dr. Aparna Bannore, FE Coordinator Prof. Pratibha Sharma, and Student Council In-charge Dr. Smitha Kumar. Starting from the second day, a diverse range of activities and seminars unfolded, encompassing Yoga sessions, UHV (Understanding Human Values) sessions, Disaster Management, Self-Defence, and an enlightening seminar on Drug Abuse Awareness. Students were introduced to various student council teams within the college, along with detailed insights into the activities and benefits associated with each team. The concluding day featured a memorable field trip to Karnala Fort in Navi Mumbai. Throughout the program, students actively participated in the events, expressing their enjoyment, and providing positive feedback on the overall experience.



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- The Department of Humanities and Applied Sciences (H&AS) established an admission cell and organized multiple online webinars focused on "Guidance for Engineering Admission." Throughout these webinars, department heads showcased comprehensive information about their respective branches, emphasizing the details and opportunities in the new emerging fields of engineering. The sessions covered guidelines for completing CAP and Institute-level forms, as well as the process of filling out option forms, with attendees having their queries promptly addressed. The webinars received positive feedback from both engineering aspirants and parents, who appreciated the valuable insights and guidance provided.
- Dept of H&AS co-organized a one week ISTE approved STTP on “NEP 2020 and Autonomy in HEI” from 18- 23, Dec 2023. The STTP saw participation around 86 attendees from SIES GST and various other colleges. Spanning six days, the entire program featured a structure of dual sessions per day – one in the morning and another in the afternoon. The program adopted a hybrid format blending offline and online modes of delivery.



Faculty's Achievements:

- Prof. Pratibha Sharma
 - Attended two weeks NEP 2020 Orientation & Sensitization program of UGC organised by Coimbatore Institute of Technology from 04.12.23 to 13.12.2023
 - Gave an oral presentation in international conference ICAMM 2023, IIT Indore during 18.10.2023-20.10.2023.

2. Dr. Pooja Singh

- (i) Project titled "Reliability Analysis of Safety Critical Systems using Artificial Intelligence" got approval from SCIENCE & ENGINEERING RESEARCH BOARD (SERB) for three years with INR 25,91,600.
- (ii) Coauthored a book –“A Practical Approach for Security Management for Industrial Safety Critical Applications” – Springer publication - May 2024.
- (iii) Delivered a talk as an Keynote ((ICITSC2024) held in Wuhan, China during March 7-8,2024.
- (iv) Delivered a talk as a Keynote Speaker: CIDT 2024, March 8-10, 2024 Wuhan, China.
- (v) Delivered a talk as an Keynote (IPEC2024) , Dalian, China during April 12-14, 2024
- (vi) Received "Woman Technologist of the Year" award by IEEE India Council for the activities in the field of 'Reliability and Safety of Life Critical Systems', Dec 2, 2023.
- (vii) Delivered a talk as a Keynote speaker: 3rd International Conference on Networking, Communications, and Information Technology (NetCIT2023), held in Wuhan, China during December 28-29, 2023.
- (viii) Paper “Security measurement of instrumentation systems: A case study of NPP” got published in Progress in Nuclear Energy, Elsevier, Vol. 165, Nov 2023.
- (ix) Paper "Reliability Analysis of Safety-Critical Systems using Optimized Petri Nets" got published in Progress in Nuclear Energy, Elsevier, Vol. 164, pp. 1-12, Oct 2023.
- (x) Delivered a talk as a Keynote speaker: 4th International Conference on Advances in Electrical Engineering and Computer Applications (AEECA2023), held in Dalian, China during August 18-19,2023.

3. Dr. Sandhya Bharambe

- (i) Syllabus team member for Syllabus Revision ‘NEP-2020’, University of Mumbai for Engineering Physics I & II, June 2024.
- (ii) Worked as a paper setter for Biotech and B. Tech courses at D Y Patil University, Navi Mumbai June 2024.
- (iii) Invited as a Resource person in Entrepreneur Development Enlightenment by Savitribai Phule Pune University on 22.02.2024
- (iv) Oral Presentation in International E-Conference IECIPBES-2023 on 28.10.2023.
- (v) Subject Expert of Mumbai University for the USSC Interview Conducted on 12.09.2023.

4. Dr. Ashwin Chavan

- (i) NEP syllabus committee member for Engineering Mathematics I and II, University of Mumbai, June 2024
- (ii) Worked as a paper setter for many subjects under D Y Patil University, Navi Mumbai, May 2024
- (iii) Invited as a resource person and delivered an expert talk on “Application of Higher Differential Equations" in the SVPKM's Institute of Technology, Dhule, June 2023.

- (iv) Invited as a resource person and delivered an expert talk on “Engineering Mathematics - I Orientation for FE students and Faculties” at Pravin Patil College, Mumbai on 12.10.2023.
 - (v) Attended 2 weeks NEP 2020 program of UGC organised by Coimbatore Institute of Technology from 04.12.23 to 13.12.2023
5. Dr Smitha S Kumar, Student Council Incharge, organized Matrix, SustainX, TML events for students.
6. Prof Mahesh Biradar published Chapter in Edited Book: Converging Horizons “ A Multidisciplinary Exploration” on Macroeconomic Perspectives: Growth, Inflation, and Unemployment by Shivay Publications ISBN 978-93-340-4256-6
7. Dr. G. Kanthimathi
- (i) Published paper on “Efficient degradation of methylene blue dye by doped Tin dioxide nanoparticles under UV light irradiation” in Galaxy link, Vol No -11, Issue No – 11, June 2023.
 - (ii) Published book chapter entitled “A study on principle and applications of electrochemical biosensor” on Application of Physics in recent trends of science, July 2023.
 - (iii) Published an article on “Empowering Learners: A Guide to Thoughtful MOOC Design” Adhigam - Vol VI of SIESLLD magazine, Mar 2024.
 - (iv) Subject expert for Academic audit in Department of Physics, K.C. College of Engineering , Thane, 04.07.2024.
 - (v) Completed NPTEL online course with Elite Certificate for “Microfabrication of sensor”, Oct 2023.
8. Dr. Ramkishan Bhise
- (i) Patent is Published on “English Vocabulary Computer-Aided Learning System Based on Associative Memory Design and Application” - Oct 2023.
 - (ii) Awarded “Lakshvedi Pradhyapak” by Manushbal vikars lokaseva akadmi on 05th Sept 2023.
 - (iii) Convener and Syllabus committee team Member of University of Mumbai for Syllabus Revision Rev-2024 ‘NEP-2020’ Scheme for Professional Communication Ethics –I, June 2024.
 - (iv) Convener and Syllabus committee team Member of UOM for Indian Knowledge System, June 2024.
 - (v) Convener and Syllabus committee team Member of UOM for subject Life ,Literature and culture, June 2024.
 - (vi) Advisory panel of Maharashtra Public Service Commission (MPSC).
 - (vii) Published book on “Universal Human Values and Professional Ethics” by Taran Publication with ISBN 978-81-19295-09-8.
 - (viii) Published book on “Curriculum development of ESL Programmes in Higher Education” by Taran Publication with ISBN 978-81-19295-07-4.
 - (ix) Worked as organising secretary at the 17th International and 53rd Annual Conference of ELTAI during 11.10.2023-14.10.2023 at the Uttaranchal University, Dehradun.

- (x) Invited as distinguished speaker at National Online Symposium on “Re-
envision the Principles and Philosophy of Swami Vivekananda” organized
Swami Vivekananda Chair, SVSU Meerut ,UP on 22nd November 2023.
- (xi) Invited as a panel member for the International Seminar on "Opportunities,
Challenges, Expectations for the Current Dynamic Teaching and Learning
Processes." Organised by St Justin college arts science college for women,
sivagangai ,Tamil Nadu on 01 November 2023.
- (xii) Reviewer for International journal “Edulec : education, language, and
culture journal” e-ISSN : 2809-313, Indonesia.

9. Dr. Arpita Pal

- (i) Reviewer for 2nd International Conference in Advances in Technology and
Management ICATM-24 - Apr 2024
- (ii) Judge for Elocution Competition conducted by Education Department M-
ward at Adarsh Vidyalaya, Chembur 05.12.2023.
- (iii) Vice-Chancellor Nominee as Subject Expert in Chemistry on the
University Staff Selection Committee interview panel in Shah and Anchor
Kutchi Institute of Technology 17.12.2023.
- (iv) Subject Expert for Recruitment and Academic audit at Shah and Anchor
Kutchi Engineering College, Chembur on 11.07.2023.

Doctoral Degrees:

Dr. Vimala Elengo was awarded Ph.D. Degree in English Literature (Cultural Studies) by the
University of Mumbai, June 2024.

Student’s Achievements:

Matrix winners

Winner	Team name	Name
Winner	TEAM PROMETHEUS	Suraj Gore
		Mooppanar Balaji
		Anajaperumal
		BinekarUtkarsh Mahadeo
First Runner up	Team ZAN	Nadaa Ahamed
		Zakiya Aliasgar Bootwala
		Aashika Karthikesan
Second Runner up	Zabois	Pradnyesh Kailash Morey
		Sarvesh Santosh Kondvilkar
		Krishna Santhosh Kumar
		Rampelli

Sustainx Winners:

Position	Names	Branch
Winner	Lavanya Thevar	IT
	Shreya Yadav	IT
	Akanksha Shinde	IT
First runner up	Shreya Patil	IT
	Atharva Gadekar	IT
	Varun Jain	IT
	Vaishanavi Kunjir	IT

Seminars/Workshops organized/attended by Faculty of GST

- (i) Faculty development program on “Ethics in Engineering” was conducted for all departmental faculties on 23.03.2024 by Department of H&AS. The resource person was Dr. Prasanna Nambiar, Former Principal, Don Bosco Institute of Technology, Mumbai. The program aimed to shed light on the ethical dimensions of engineering practices and to equip faculty members with tools to integrate ethical considerations into their teaching and research.



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- (ii) SustainX - Poster Presentation Competition event hosted by Promethean team is an annual tradition tailored specifically for First-Year Engineering students at the college. The main goals of SustainX 2024 were to encourage students to adopt a problem-solving approach, cultivate a profound awareness of environmental issues, and develop their creative design and presentation abilities during Jan-Mar 2024.



- (iii) The Team Promethean at SIES GST organised Matrix, an event exclusively tailored for first-year students. The primary objective of this event was to offer students a platform to prove and enhance essential skills including teamwork, cooperation, adaptability, and creativity. Dr. Smitha Kumar, the Students council in charge organized this entire event and Professor Seema Khan, the Training and Placement officer served as a distinguished judge for the Triple Threat Debate.



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- (iv) Most of the faculties of H&AS attended STTP on “NEP and Autonomy in HEI” from 18.12.2023 to 23.12.2023.
- (v) Prof. Pratibha Sharma, Dr. Ashwin Chavan, Dr. Kanthimathi, Dr. Pooja Singh, Prof. Aparna Ghadge attended FDP on "Wellness: A Holistic Approach" facilitated by Dr. Lalitha Dhareshwar organized by SIESCOM , on 07.12.2023.
- (vi) Dr. Arpita Pal, Dr. DL Pavani, Mr. Athang Joshi attended training session on IEEE Explore-ASPP Organized by SIES-GST on 02.12.2023.
- (vii) Dr.Arpita Pal and Prof. Pallavi Mane attended session on Indian Knowledge Systems organized by SIESLLD, Nerul on 09.11.2023.
- (viii) Dr.Pooja Singh and Prof. Athang Joshi attended session on Keeping Students Engaged organized by SIESLLD, Nerul on 07.11.2023.
- (ix) Dr. DL Pavani and Prof. Athang Joshi attended a session on “Critical thinking” organized by SIES College of Management Studies, Nerul on 16.10.2023.
- (x) Prof. Pallavi Mane and Prof. Vimala Elengo attended basic five days UGC-AICTE Universal Human Value STTP during 25.09.2023 to 29.09.2023.
- (xi) Prof. Aparna Ghadge attended One-week FDP on "Image processing" Organized by EduLakes Solutions LLP & IIT Roorkee, from 25.09.2023 to 29.09.2023.
- (xii) Prof. Pallavi Mane attended
 - (i) Six - Day National Level Faculty Development Program on “Funded Research Projects” on 18th - 21st October 2023, organized by ATLAS Skilltech University, Mumbai.
 - (ii) Attended session on To AI or not to AI: Leveling the playing field in an ELT Classroom on 26.11.2023, Organized by ELTAI.
 - (iii) Attended session on How to Improve Your Research Skills: Tools and Techniques on 01.12.2023, organized by LNMIIT Central Library, Jaipur.
- (xiii) Most of the faculties attended FDP on “Empowering Research: A Guide to Leveraging Open AI Tools for Scientific Inquiry” on 24.02.2024 at SIES GST.

Co-Curricular Activities

- (i) The Parent-Teacher meeting for First-Year Engineering, Semester I, took place on October 28, 2023. The meeting was organized on a division-wise basis, with Class In-charges and respective subject faculties engaging with parents. During the meeting, Class In-charges shared internal marks for IA-I and the students' overall attendance in lectures. Parents were also advised to encourage their wards to attend lectures and practical sessions regularly, aiming for good performance in IA-II. Parents actively participated in the meeting, expressing their appreciation for the college and faculty members for their dedicated efforts. Overall, the feedback received from all parents was positive.

- (ii) Parent Teacher meeting of First Year Engineering of Semester – II was conducted on 07.03.2024. The meeting was organized division-wise with the Class In-charge and respective subject faculties. During the PTM, Class In-charges communicated the internal marks of IA-I and the students' overall attendance in lectures to their parents. They also emphasized the importance of regular attendance in lectures and practicals to secure good marks in IA-II. Approximately 54 parents attended the meeting and expressed their appreciation for the college and the efforts of the faculties. The overall feedback from the parents was positive.

