

SIES GRADUATE SCHOOL OF TECHNOLOGY, NERUL, NAVI MUMBAI

Department of Computer Engineering

About Institute:

The SIES Graduate School of Technology has come of age with its sixteen batch passing out this year. It has made a mark in the technical education field as one of the best engineering colleges in Mumbai and ranked second in Navi Mumbai. GST students have excelled in all fields and have made their presence felt in a big way at the University, State and National levels.

Academic Achievements (if any):

Toppers of CE Department of SIESGST 2022-23:

Rank	Name	Degree
	DESHMUKH MINOTI MINAR	BE CE
	VAISHNAVI ANANDAKRISHNAN	BE CE
	POURNIMA THAKARE	BE CE

Collaboration (MoUs and other extraordinary achievements):

Two MOUs signed in year SH-FH 2022.

- Impact sure:** 19 July 2021, Duration: Signed for 5 years
 - Project Titled “**Key financial Data**” was successfully completed by faculty members Dr.Rizwana Shaikh, Prof.Ujwala Ravale, Prof.Pranita Mahajan in the duration Jan 22 to May 22.
 - Two Projects, one on “**BlockChain based invoice system**” and second one on “**Auto scaling of cloud services**” were assigned to the third year students for the duration of one year from July 2022-June 2023 under the guidance of Dr.Rizwana Shaikh.

- Expert lecture delivered to the company Impact-Sure **by Dr.Rizwana Shaikh.**
2. **Seva Technologies** :22 Oct 2021, Duration: Signed is for 3 years.

Institutional Social Responsibility (ISR):

ISR BEACON batch July to December 2022 started from 25 July 2022. 6 students enrolled for Web designing. Prof. Namrata Patel coordinating the activity.

Initiatives:

1. Establishment of “**Center of excellence**” in the field of emerging domains.
2. At least **4 major research proposal submission** to the funding agency
3. To develop at least **two software modules for automation of various processes** at Institute and department level.

Academic/Technical achievements of Staff:

1. **Dr. Deepti Reddy,Prof.Sunil K Punjabi,Prof.Suvarna Chaure,Prof.Prachi Bahurupi** published a provisional patent on “: A LOW-DENSITY POLYETHYLENE (LDPE) SORTING SYSTEM” in July 2022.
2. **Prof.Arathi Boyanapalli’s** Patent on “Device to detect Ovarian Cancer” with application ID 372990-001 accepted.
3. **Dr. Rizwana Siddiqui** filed and published a patent “An Ameliorated Electronic Mail Management System and Method” on 10 Oct 2022.
4. **Dr. Aparna Bannore** delivered technical talk on “Proxy Signature and Forensics” in IEEE sponsored FDP on “Research and Emerging Trends in Digital Forensics” on July 15,2022
5. **Dr.AparnaBannore** presented and published a paper titled "A Garbage Profiling System Using Mask R-CNN Deep Learning Algorithm," 2022 International Conference for Advancement in Technology (ICONAT), Goa, India,Dec2022.
6. **Dr. Rizwana Siddiqui** mentoring and working on two Industry projects on Blockchain and Cloud Computing along with the students.
7. **Dr. Deepti Reddy** published paper on “Student Behavior Models in Ill-structured Problem-Solving Environment” in the International [Conference on Artificial Intelligence in](#)

[Education](#) AIED2022 in June 2022, and published in Lecture Notes in Computer Science, vol 13355. Springer, Cham. https://doi.org/10.1007/978-3-031-11644-5_46

8. **Dr. Varsha Patil** published a paper titled “Real time convolution neural network for emotion classification” in international conference Breakthrough in Heuristics and Reciprocation of advanced technologies on April 7-8, 2022.

9. **Dr. Varsha Patil** published 4 papers titled “Real time water quality management using IoT”, “Eye disease classification using Deep neural network”, “Picking Robot”, “Fire and smoke detection system” in international conference on trends in Engineering, Applied science and management IC Team 2022 on April 8-9, 2022. The paper titled “Eye disease classification using Deep neural network” got the **Best paper Award**.

10. **Prof. Suvarna Chaure** Published a paper on “Clinical Healthcare System using Data mining”, IJREAM, May 2022.

11. **Prof. Sunil Punjabi and Prof. Suvarna Chaure** presented a paper in IEEE , 2nd International Conference on Intelligent Technologies titled “Forensic Intelligence- Combining Artificial Intelligence with Digital Forensics” on June 15-17, 2022.

12. **Prof.Suvarna Chaure** Presented a Paper on " Vaccine Supply Mgmt" IEEE, IC3SIS on 23rd June 2022.

13. AWS Academy Educator Badge was issued to **Prof. Suvarna Chaure** by AWS Academy on August 25, 2022.

14. **Prof.Suvarna Chaure** Completed Certification Computer Hacking Forensic Investigator CHFI thorough EC Council in Dec 2022.

15. **Prof. Sunil K Punjabi** Presented paper titled "Forensic Intelligence- Combining Artificial Intelligence with Digital Forensics" in IEEE, 2nd International Conference on Intelligent Technologies on 24-26 June 2022.

16. **Prof. Ujwala Ravale** presented paper in 2nd International Conference on Sentiment Analysis & Deep Learning titled “Breast Cancer Detection using Machine Learning” on 16th and 17th June 2022.

17. **Prof. Ujwala Ravale** Published a paper on Soil Monitoring and Fertilizer Recommendation System, IOSRJEN, June 2022.

18. **Prof. Kalyani Pampattiwar** paper titled- “CBSOACH: design of an efficient consortium blockchain-based selective ownership and access control model with vulnerability resistance

using hybrid decision engine” Accepted in SCI indexed International Journal of Computational Science and Engineering by Inderscience and listed in Forthcoming.

19. **Prof. Kalyani Pampattiwar** Paper titled- “An empirical evaluation of blockchain security models from a fuzzy statistical perspective in peer reviewed journal " International Journal. Of Blockchain and Cryptocurrencies " by Inderscience.

20. **Prof. Kalyani Pampattiwar** published a Book chapter titled,"Security and Privacy Facets of Electronic Health Record" in a book titled Unleashing the potentials of Blockchain Technology for Healthcare Industries.

21. **Prof. Kalyani Pampattiwar** filed for a software copyright dated 7 Dec 2022. Current status is under Scrutiny.

22. **Prof. Namrata Patel** presented a paper titled “Depression detection using ML” in international conference on trends in Engineering, Applied science and management IC Team 2022 on April 8-9, 2022.

23. **Prof. Namrata Patel** Published a paper on Attribute based privacy preservation AIC June –2022.

24. **Prof. Masooda Modak** published paper titled “Learning traits and capture mode of Learning disability with classification in e-learning for detecting learning Disability using Machine Learning” in svoous index journal International Journal of health sciences (IJHS) in May 2022, Vol 6 No S1/S2/S3/S4 with DoI/URL.

25. **Prof. Masooda Modak** Published a paper on “Depression Detection using ML” , International Conference on Trends in Engineering, Applied Sciences and Management (IC-TEAM) to be held on 08th-09th April 2022 at St. John College of Engineering and Management, Palghar, Maharashtra, India.

26. **Prof. Anindita Khade** published one research paper in Scopus indexed book “Intelligent Systems for Data Science” on 15th August 2022

27. **Prof. Anindita Khade** published research paper titled “Text based cyberbullying prevention using toxicity filtering mobile chat application and api” in IEEE conference-21 September 2022

28. **Prof. Anindita Khade** applied for 2 copyrights. Current status is under scrutiny.-12-12-2022

29. **Prof.Anindita Khade** conducted 1 session during ISTE-STTP on Demystifying Deep Learning in Fr.Agnel Vashi, 06-01-2023.

30. Workshop on Computer Networking is arranged by **Prof. Arathi Boyanapalli.** and **Prof. Namrata Patel** on 24 Sep 2022 by Industry Expert from LA Technologies: Mr. Shivram Iyer, Hrishikesh Srivastava, Arun Kumar, Ashitosh Phanase with hands on experience.

31. **Prof. Jyoti Chavhan and Dr. Rizwana S.** arranged a Guest lecture on Data Structure for SE students of Computer, AIDS, AIML, CSE on 8-Oct 2022 by Ms. Dhanashri Joshi,Software Engineer,nVent technologies.

32. **Prof. Reshma Koli and Prof. Sunil Panjabi** organized a guest lecture on “Agile a new approach to Software Development and Importance of Testing in IT Industries” for CE TE students on 7 Oct 2022 by Mr. Prasad Mendon, Senior Lead Analyst-BA, FIS-Global .

Academic/Technical achievements of students:

SR. NO.	NAME OF STUDENT	YEAR / SEMESTER	ACHIEVEMENT
1	Ramaswamy Shabarish	BE	THIRD RANK in Elocution (Marathi or Hindi or English)-MU Youth Festival
2	Anirudh Belwadi	BE	Bagged "Best Project to solve a big AEC problem" award in AEC Hackathon, Copenhagen, Denmark
3	Varun Sreedhar Srikrishna V Sanjana Kumar	BE	2nd prize in ByteCamp'22
4	Samiksha Iyengar	SE	Completed Frontend development training in Technical Coding Research Innovation
5	K Gauri, Pournami Pottekat, Kunal Soni and Kartekeyaan Raghavan	BE	Won cash prize of 5000/- being finalist in PRISM 2022 an AI based competition. Jan 2022.
6	Sarvesh Moraskar Gaurav Karande	BE	1st prize in Enigma-National Level Poster Presentation Competition, 28 Jan 2023
7	Prathamesh,Bhavika Wani	TE	Final round of 17 th Avishkar research Convention 27/12/23

Dr. Sunil Patil
I/c Director



Department of Students' Development
Vidyapeeth Vidyarthi Bhavan,
'B' Road, Churchgate,
Mumbai
Telephone No: 8369753642

Letter of Selection

To,
The Principal / Director / Head,
SIES Graduate school of technology

Dear Sir/Madam,

I am pleased to communicate you that the following participant(s) from your College/Institute/Department participated at 17th Aavishkar: Inter-Collegiate/Institute/Department Research Convention (Zonal Round), University of Mumbai and his/her/their Research Project(s) has/have been selected for 17th Aavishkar: Inter-Collegiate/Institute/Department Research Convention (Final Round).

The Details of the Result at the 17th Aavishkar: Inter-Collegiate/Institute/Department Research Convention (Zonal Round):

Zone	Engineering Colleges/Institutes
Venue	Shah and Anchor Kutchhi Engineering College, Chembur, Mumbai
Date of the Convention	December 23, 2022
Category	Engineering and Technology
Level	UG
Title of the Research Project	Interview Assistance and Assessment Virtual Bot
Result	Selected for the Final Round

The Details of Participant(s):

Sr. No.	Name of the Participant(s)	Date of Birth and Age	Class and PRN / PG Registration No.	Mobile No.	Email
1	Yashwante Pratham	06/01/2003 (Age:19)	TE/	9833364647	prathamyce120@gst.sies.edu.in
2	Singh Durgesh	16/04/2002 (Age:20)	TE/	9175556526	durgeshsce120@gst.sies.edu.in
3	Wani Bhavika	12/10/2002 (Age:20)	TE/	9619099367	bhavikawce120@gst.sies.edu.in
4	Shetty Devesh	16/03/2002 (Age:20)	TE/	8286239239	deveshshetty120@gmail.com

You are also informed to communicate the above mentioned student(s) to participate in the 17th Aavishkar: Inter-Collegiate/Institute/Department Research Convention (Final Round) as per the following Schedule. Also inform him/her/them to report to the Registration Desk at the following venue and time.

Schedule of 17th Aavishkar: Inter-Collegiate/Institute/Department Research Convention (Final Round):

Venue	Vidyalankar Institute of Technology, Wadala, Mumbai
Date	Tuesday, December 27, 2022
Registration Time	08:30 a.m.

Once again congratulation for the success and best wishes for further participation.
Thanking you,

Yours Sincerely,

Dr. Sunil Patil
I/c Director
Department of Students' Development,
University of Mumbai

Avishkar Finale

Sports achievements:

1. **Purva Ambre** of SE CE won the inter collegiate badminton tournament and stood third in the zonal level at University of Mumbai in Sept 2022.



Purva Ambre Badminton

2. Aniruddha Patil and Sahil Pillai from CE Department won the Champions Cup Cricket tournament which was held on 1st and 3rd October for SIES Nerul campus .



Champion's Cup

3. **Aniruddha Patil and Sahil Pillai team** from CE Department won the ICON inter-collegiate cricket tournament which was held on 25th and 26th November 2022.



ICON Intercollegiate Cricket Tournament

Cultural Achievement:

SR. NO.	NAME OF STUDENT	YEAR / SEMESTER	ACHIEVEMENT
1	Samiksha Iyengar	SE	Consolation in Cartooning-MU Youth festival
2	Sridhar Ananyaa	TE	FIRST RANK in Indian Classical Vocal Solo competition- MU Youth Festival

Technical Activities:

- **Six value added courses were conducted in AY 22-23**
1. **Competitive coding for DSA:** The Department of Computer Engineering organized a Value added course on “**Competitive coding for DSA**”, in May-June 2022, for second year engineering students from all branches, 34 students attended it.
 2. **Devops Technology:** The Department of Computer Engineering organized a Value added course on “**Devops Technology**”, in June 2022, for third year engineering students from

all branches.18 students attended it. Our Alumni **Ajit Kumar as a Devops Engineer At Deloitte conducted the session for one day.**

3. **Ethical hacking:** The Department of Computer Engineering organized a Value added course on “**Ethical hacking**” for the Second year and third year engineering students from all branches, for duration 27 June 2022 to 2 July 2022.33 students attended the SDP Industry expert Mr.Vikrant Pawar at Cyber – I consultancy services



SDP on Ethical Hacking

4. **Advanced Java :**The Department of Computer Engineering organized a Value added course on “**Advanced Java Programming** ” for the Second year and third year engineering students, for duration 25 Dec 2022- 29 Dec 2022. 12 students attended the SDP and industry resource person Mr.Piyush Atram, Tata Digital delivered the talk.

5. **Web and Mobile application development:** The Department of Computer Engineering organized a Value added course on “**Web and Mobile application development** “ for the Second year and third year engineering students, in Dec 2022.Industry expert Yashavi as a web developer and Anirudh Belwadi as a web developer at Full Team stack.

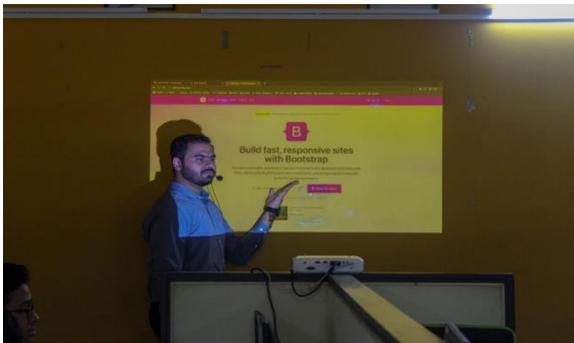


SDP On Web and Mobile Application

6. **Competitive coding:** The Department of Computer Engineering organized a Value added course on “**Competitive coding**” for the Second year and third year engineering students, in Dec 2022.

- **To improve problem solving, coding and soft skills in students**

1. Conducted session on **“Robotic process automation”** on 12 feb 2022.
2. Conducted Webinar on **“Soft Skills”** for third year computer engineering students on 5 march 2022.
3. Conducted Workshop on **“Python Basics and Big data Introduction”** on 26 march 2022.
4. Conducted **“Techno house competition”** from 31 march 2022 to 1 april 2022.
5. **“Innovations national level project competition”** conducted on 9 april 2022
6. CSI Conducted Workshop on **“Web Development”** on 30th September by **Mr.Abhishek Joshi, Mr.Anirudh Belwadi**, for second year and third year computer engineering students. Students were introduced to MernStack which is a very efficient web development framework where we can combine systems like MongoDB, Bootstrap, and Express in order to develop efficient and responsive websites that are cross-platform compatible.



CSI Workshop on Web Development

- **To develop two in-house projects for Institute /department automation:** Two in-house solutions for Mentor mentee scheme and faculty feedback as a part of department automation.

Doctoral Degrees:

10 faculty members are pursuing Ph.D.

Research Grants:

Seminars/Workshops organized/attended by Faculty of GST:

1. **Dr. Varsha Patil** attended International Conference on Trends in Engineering, Applied Sciences and Management IC-TEAM 2022,08th-09th April 2022.
2. **Dr. Varsha Patil** attended International Conference on “Breakthrough in Heuristics and Reciprocation of Advanced Technologies”, BHARAT-22, 7th and 8th April 2022.
3. **Prof. Anindita Khade** attended 5 days FDP on AI in Healthcare conducted by Infosys center of AI and COE IIT Delhi from June 6 -10, 2022.
4. **Prof. Masooda Modak** attended STTP ON “Applied Data Science & it's Applications” organized by Xavier Institute of Engineering from 6th Jan 2023 to 12th Jan 2023.

Co-Curricular Activities :

1. Manoj Inborajan successfully completed Internship from Life Bound Technologies Pvt. Ltd. from 28/6/22 to 30/7/22.
2. Ganeshan P A Nainar, Ashwini Ramakrishnan, Nishant Kathpalia and Madesh Kumar Naidu completed Internship under faculty for the problem statement Hybrid Algorithms for Chronic Kidney Disease Prediction in SH 2022.
3. Department of Computer Engineering in collaboration with IIC cell organized Poster presentation competition on the theme “Case Studies on Start-ups in India and its Impact” on 17 Aug 2022.
4. Nandita Nandakumar from BE CE attended AISYWLC 2022 annual conference hosted by IEEE Bombay at Pune from 7 Oct to 9 Oct 2022 and she got the complete sponsorship.
5. Kunal Soni, Pournima Pottekat, Gauri K. and Karthigeyan Raghavan secures 1st place in Cognition BE Mini Project Competition for the topic “AR Based Tourism”
6. Shetty Devesh, Singh Durgesh, Wani Bhavika, Yashwante Pratham secures 1st place in Cognition TE Mini Project Competition for the topic “Interview assistance and assessment”
7. Sushant Bhat, Aaditya Bonde, Mayank M, Ninad Konde secures 1st place in Cognition TE Mini Project Competition for the topic “DAQ System”

8. Iyer Jayaram Shivraj, Jadhav Apurv Dipak, Jadhav Soham Vikas secures 1st place in Cognition SE Mini Project Competition for the topic “Games for children with learning difficulty (with implementation of pseudo random algorithm)”

9. Kunal Soni, Pournima Pottekat, Gauri K. and Karthigeyan Raghavan participated in Google Developers Startup Bootcamp | University Edition 2022 entitled topic “Har Painting Kuch Kehti Hai” from 21st to 23rd November 2022.

10. Bhavika Wani, Prathmesh L. and Durgesh Singh got selected for the final round of Avishkar Competition.

11. Ayushi Kombe, Varun Shinde, Sruthisri Venkateswaran and Rishikesh Gharat participated in NIC internship selection.



NIC Internships

NSS

- International Yoga Day -
- National Integration Camp -
- Independence Day and Republic Day celebration -
- Waste Management (Compost Pits) -
- NSS Week -

- Blood Donation -
- Swachh Bharat Abhiyan -

Women's Development cell activities:

1. "Law based Seminar" by Gayatri Vishwanathan, Advocate, Mumbai was conducted on 16 Sep 2022.
2. "Act on Gender Sensitization" by Aarambh Drama Club SIESGST was conducted on 13 Oct 2022.
3. "Self Defence Workshop" was conducted on 11 Jan 2023.
4. Seminar on "The POSH ACT" by ADV. Vaishnavi Gujrathi was conducted on 13 Jan 2023.

Library:

TATVA-MOKSH-LAKSHY- The Annual Cultural Festival:

Training & Placement Activities:

Placement activities started from 12 Aug 2022 for BE students.

1. Organized "Placement Guidance Seminar" on 12th August 2022 for TE & BE Students of all branches. Seminar was delivered by Prof. Preeti Jog, Asst. Prof. & DY. TPO in Bharati Vidyapeeth.

2. Placement statistics

Year	Total Strength	Total Eligible	Placement Count	HE	No of Companies visited	Avg Package
2021-2022	108	83	79	19	23	6.5 LPA
2022-2033	107	81	59		9	

3. List of Companies visited: Reliance JIO, Ingram , GEP,LTI, Impact Sure,DarkHorse,TCS Digital,HDFC IT , nVent



Placement Guidance Seminar

Industry Interaction:

1. Expert Talk on **"IoT Home automation"** was organized by the Computer Engineering Department for third year computer engineering students on 13 April 2022, by **Mr. Santosh Kamble**.
2. Industry Expert Talk on **"Network Security and protocols"** was organized by the Computer Engineering Department for third year computer engineering students on 14 April 2022, by **Mr. Ram Varun Vennelaganti, Lead Data Scientist with ExcelR Solutions**.
3. Industry Expert Talk on **"Application of NLP in Finance domain"** was organized by the Computer Engineering Department for final year computer engineering students on 14 April 2022, by **Mr. Akarsh Verma, Platform Architect at Thoucentric Labs, Bengaluru, India**. Session carried out with explanation of Introduction of AI in Finance, Sentiment Analysis in finance, Market Mood Index and Case studies.
4. Industry Expert Talk on **"Introduction to Machine Learning Using Python"** was organized by the Computer Engineering Department for second year computer engineering students on 14 April 2022, by **Mr. Ram Varun Vennelaganti, Lead Data Scientist with ExcelR Solutions**.
5. Industry Expert Talk on **"Current trends in HMI"** was organized by the Computer Engineering Department for final year computer engineering students on 15 April 2022, by **Mr. Atul Jadhav, Founder, 9th Legend INC, Mumbai**.
6. Industry Expert Talk on **"Cyber Laws in India"** was organized by the Computer Engineering Department for third year and final year computer engineering students on 17 Sep 2022, by **Dr. Suman Kalani, Center for Corporate Laws and IPR, Center for Conflict Resolution, and Center for Robotics, Artificial Intelligence, and Law in her institution, SVKM's Pravin Gandhi College of Law**.

7. Industry Expert Talk on “**Agile a new approach to Software Development and Importance of Testing in IT Industries**” was organized by the Computer Engineering Department for third year computer engineering students on 7 Oct 2022 by **Mr. Prasad Mendon, Senior Lead Analyst-BA, FIS-Global** .
8. Industry Expert Talk on “**Data Structure**” was organized by the Computer Engineering Department for second year computer engineering, AIDS, AIML students on 8-Oct 2022 by **Ms. Dhanashri Joshi**.
9. Expert talk on “**Decentralized finance (DeFi)**” was conducted on 08/10/2022 by **Prof. Sudeep Tanwar, Professor**, Department of Computer Science and Engineering | Institute of Technology, Nirma University.
10. Cognition project competition judged by **Mr. Shridhar from GERENT Industry, Akash Gupta from Edcast Asia Pvt. Ltd., Sujata Khedker, TCS, Mr. Pratim Bawaskar, Sr.Manager Atos Syntel Ltd**. Total 30 students (10 groups) participated in the project competition.
11. **Industrial visit** from 26/12/2022 to 30/12/2022 to **Rajasthan**.
12. Expert talk on “**Cyber Security: An Industry Panorama**” was organized by the Computer Engineering Department for third year computer engineering students on 16 jan 2023 by **Gaurav Sharma Cyber security consultant, Vrisko Technologies, Navi Mumbai**.



COGNITION 2022 PHOTOS



HMI and IOT Expert Lecture

Alumni Activities:

1. Mr.Vignesh(2013-17) and Akriti Pathak(2016- 20 batch) the attended Reconnect: Alumni Meet on 9 July 2022 conducted in online mode and had discussion with current batc students.
2. Ajitem Joshi (2015-19)and A. Tejaswee(2015-19) conducted a webinar on “A Walkthrough to GATE CS” on 13 Aug 2022.
3. Seminar on Web Development /Designs under CSI conducted for second yearcomputer engineering students on 17 Sep 2022 by Miss Zainab Bubere(2022)
4. Conducted FullStack Development Workshop under CSI on 30 Sep 2022 by Mr. Anirudh Belwadi(2018-22) and Mr. Abhishekh Joshi(2022)
5. Cognition project competition judged by Mr. Akash Gupta, Sr. Software Engineer, CornerStone Technology, Mumbai (Alumni 2015 batch).
6. Mithilesh Poojary and CR Abubakkar (2022) delivered lectures on competitive coding.

