SIES
RISE WITH EDUCATION

Graduate School of Technology

SIES GRADUATE SCHOOL OF TECNOLOGY

(DTE CODE-3211) | Affliated to the University of Mumbai | AICTE Approved | NAAC Accredited | NBA Accredited

Region Wise Rank :
14

Top 125 Private
Engineering Institute:
42

Top 170 Engineering Institutes Rank : **49**

2022

INFORMATION BROCHURE

✉ www.siesgst.edu.in

📍 Nerul, Navi Mumbai

Establishment	:	2002
Parent Society	:	South Indian Education Society (S.I.E.S High School)
		3, KA Subramaniam Road, Brhmanwada, Matunga, Mumbai,
		Maharashtra 400019.
Name & Address	:	SIES Graduate School of Technology
		Plot No. 1/C/D/E , Sri Chandrasekarendra Saraswati Vidyapuram Sector-V,
		Nerul, Navi Mumbai, Maharashtra 400706
Status	:	Un-Aided, Non-Autonomous, Linguistic Minority-Tamil
Approved by	:	All India Council for Technical Education (AICTE), New Delhi and
		Directorate of Technical Education (DTE), Maharashtra
Recognised by	:	All India Council for Technical Education (AICTE), New Delhi and
		Directorate of Technical Education (DTE), Maharashtra
Affiliation	:	University of Mumbai
Grade	:	B++ by NAAC
Telephone Nos.	:	022-61082400/02/27/17/19
Fax	:	2771 87 790
E-mail	:	principalgst@sies.edu.in
Website	:	http://siesgst.edu.in/
Area	:	6.5 acres
Airport	:	Santacruz Airport (25 km)
Railway Station	:	Nerul (E) (2.6 km)
Bus Stand	:	Nerul Bus Depot (0.5 km)

The Parent Body

The South Indian Education Society (SIES) established in 1932 at Matunga, is a pioneer in the field of education in this metropolis. The Society has been serving the cause of education and has carved for itself a niche, as a provider of quality and value based education from Nursery to Doctoral level in a wide variety of fields.

The institute seeks to achieve it's educational mission by focusing on the modes of inquiry, which strengthens thinking skills and provides extensive field experiences,and thus brings together theory and practices.

"This society should sincerely serve the cause of education and the educational needs of the common man of this cosmopolitan city" this was the SIES mission set by our founder Shri M.V. Venkateshwaran in 1932.

Learning, and Computer Science and Engineering (Internet of Things and Blockchain with Cyber security) and Post Graduate Courses in Artificial Intelligence and Data Science and Information Security have also been introduced.

SIES GST is approved by AICTE, DTE and is affiliated to the University of Mumbai. The institute is accredited by the National Assessment and Accreditation Council (NAAC). Four of its courses: Electronics & Telecommunication Engineering, Computer Engineering, Information Technology and Mechanical Engineering accredited by the National Board of Accreditation (NBA). It has also been accredited by Tata Consultancy Services (TCS).

SIES Graduate School of Technology, an integral part of this well-established community started in the year 2002, is located in the list of educational hubs in Navi Mumbai imparting quality based technical education, offering four year Bachelor of Engineering courses in Electronics and Telecommunication Engineering, Computer Engineering, Information Technology, Mechanical Engineering, Electronics and Computer Science, Artificial Intelligence and Data

The institute has the reputation of being known for its discipline and integrity. The faculty is sincere and enthusiastic, with a blend of experienced and young professionals dedicated to teaching. The college follows strict norms regarding attendance & punctuality and no compromises are made in following the discipline and regulations of the institute. The students are sincere and studious which is reflected in excellent results and placements.

Vision & Mission

Vision

"To be a centre of excellence in Education and Technology committed towards Socio-Economic advancement of the country."

Mission

- To impart advanced knowledge in Engineering and Technology.
- To transform young minds towards professional competence by inculcating values and developing skills.
- To promote research and ensure continuous value addition among students and employees.
- To strengthen association with the industry, research organisations and alumni to enhance knowledge of current technologies.
- To promote next-generation technocracy and nurture an entrepreneurial culture for social-economic growth.

MESSAGE FROM THE HON. ADVISOR

Greetings from SIES GST!

The South Indian Education Society (SIES) which was established in 1932 at Matunga, Mumbai, is a pioneer in the field of education in this metropolis. It has been at the forefront in the field of education for more than 85 years, presently imparting quality education through 20 disciplines. The Society has been serving the cause of education and has carved for itself a niche, as a provider of quality and value-based education from Nursery to Doctoral level in a wide variety of disciplines and now working on a mission to provide education to 50,000 students by 2022. The institute seeks to achieve the educational mission by focusing on the modes of inquiry, which strengthens thinking skills and provides extensive field experiences, to bring together theory and practices.

The SIES established the Graduate School of Technology (GST) in the year 2002 at Nerul, Navi Mumbai with a view of promoting technical education and being a pioneer in the field of Engineering and Technology Education. The SIES Graduate School of Technology is committed to high standards of Engineering Education. Our aim is to advance in the various facets of learning opportunities by providing multiple study options through a perfect blend of Academic Excellence, Teaching-Learning Processes and Teacher-Student Mentoring based on our Quality Management System which will enable learners to thrive in the rapidly evolving environment. Right from its inception, the underlying vision has been to excel through high-quality programs in teaching, learning, research, and development. We rank amongst the best Engineering colleges in Navi Mumbai and Thane region, and we are known for our discipline and integrity. The well-developed infrastructure and highly committed and talented teaching and support staff create interest among students towards a conducive learning environment. Each department at the Institute possesses highly advanced state-of-the-art laboratories. We have a blend of young and accomplished teaching faculty members with many of them having doctoral qualifications and with deep professional and consulting experiences.

The collective experience of our faculty members – in academics, industry, and research helps in imparting higher education in an interesting way that is both enjoyable and scholastic.

The students are encouraged to be self-learners, gaining experiential learning through involvement in various academic, research, extra and co-curricular activities to build a strong personality with high values and an unshakable character.

Our past students have distinguished themselves in diverse fields in India and abroad and are continuously contributing to the alma mater by conducting value addition courses and by providing valuable inputs through regular interaction to improve the system.

In this digital era of education where it is difficult to have a single yardstick of quality, we at SIES, strive continuously for sustenance and enhancement of quality in every field of its activity with a vision of making SIES 'synonymous with learning'.

- Dr. P.V. Parameswaran
Former Dean - Faculty of Technology at the University of Mumbai
First Principal of SIES Graduate School of Technology.

"Education is one thing no one can take away from you." —Elin Nordegren

AWARDS and RECOGNITION to SIES GST

- NAAC accreditation grade B++
- National Board of Accreditation (NBA) accreditation to four courses: Electronics & Telecommunication Engineering, Computer Engineering, Information Technology and Mechanical Engineering
- Recipient of the D.L. SHAH QUALITY AWARD 2016
- Recipient of the BEQET PRESIDENT AWARD 2017 -3RD PRIZE for project BEACON 2017
- 4 Star Rating by MHRD's Innovation Cell (Government of India) in MHRD-II

MESSAGE FROM THE PRINCIPAL

SIES Graduate School of Technology (SIES GST), an integral part of the well-established community, started in the year 2002. The institute is located amidst the educational hub of Navi Mumbai, imparting quality-based technical education, offering eight courses for the Bachelor of Engineering in Electronics and Telecommunication Engineering, Electronics and Computer Science, Computer Engineering, Information Technology, Mechanical Engineering, Artificial Intelligence and Data Science, Artificial Intelligence and Machine Learning, and Computer Science and Engineering (Internet of Things and Blockchain with Cyber security) and two Master of Engineering courses Artificial Intelligence & Data Science and Information Technology in Information Security.

SIES GST envisions itself to be a centre of excellence in Education and Technology, committed to the Socio-Economic advancement of the country. We are committed to high standards of Engineering Education, whilst complying with the requirements laid down by the statutory and regulatory bodies. Our aim is to continuously enhance learning opportunities by providing multiple study options through a perfect blend of academic excellence, teaching-learning process, teacher-student mentoring, based on our quality management system that enables learners to thrive in a rapidly evolving environment. The institute strives to develop every facet of the learner and provides holistic development to the students by striking a perfect balance between academics and co-curricular.

The student council of SIES GST, over the years, has provided the students firsthand experience in organising and managing skills through various events and activities. These experiences are beyond academics and every student should make the most of this opportunity.

The institute has a very strong industry-institute interaction which ensures that every student gets an opportunity to learn the latest trends and best practices of the industry which ensures that they don't stand in awe of their peers in this competitive world. To align with the curriculum, the institute has state-of-the-art infrastructure and laboratories. Spacious green and clean campus, a good library and a peaceful atmosphere ensure that learning becomes a memorable experience.

Success is not something which we achieve in a day or year as it is a process of achieving your goals and feeling good about yourself. The definition of success changes from one individual to another.

To succeed in life one needs good health, peace within oneself, wisdom to make the right decisions, a sense of fairness and honesty, and above all, the desire to do better every day, so never leave the zeal to learn and innovate and always tread the right path.

"The art challenges the technology, and the technology inspires the art."

-DR. ATUL KEMKAR
PRINCIPAL

1. Experienced Faculty

Faculty members are well experienced in their domains and always open to adding up to their expertise. The college also deputes the faculty members to Faculty Development Programmes to ensure continuous up-gradation. Our teachers conduct various programs such as SDP, seminars, workshops, and many such interactive and extracurricular activities.

2. Placement & Internships

One of the most common and biggest issue freshers have to deal when they are applying for the job is work experience. Getting a degree is not good enough for a student to secure a good job, they need practical experience and here internships and projects play a crucial role for them. SIES provides students with in-house internship opportunities and also conducts internship drives. It also gives students an opportunity to work on departmental projects which in turn help them to gain experience in working on real life projects. Utmost importance is given to placement related activities to ensure that all successful graduates receive suitable placements. Some of the companies that come to our college are:- Infosys, L&T Infotech, Wipro, Mahindra & Mahindra, Reliance Jio, Capgemini, etc.

3. All round development approach

Our college gives great importance to students' all round development. Our college appreciates and supports students to take part in academic as well as non academic competitions across various genres. Our college students have participated and won various technical competitions such as Deep Blue, Smart India hackathon, Anveshana, ACM ICPC, etc. SIES also encourages students to participate in different inter college sports and cultural competitions.

4. Accreditation

Accreditation for an engineering program signifies to students that the program outcomes of NBA approved colleges have met stringent quality standards. It is an indicator to aspiring students of the college's level of commitment to excellence.

SIES GST is approved by AICTE, DTE and is affiliated to the University of Mumbai. The institute is accredited by the National Assessment and Accreditation Council (NAAC). Four of its courses: Electronics & Telecommunication Engineering, Computer Engineering, Information Technology and Mechanical Engineering is accredited by the National Board of Accreditation (NBA). It has also been accredited by Tata Consultancy Services (TCS).

5. Well Equipped Laboratories

24X7 Lab facilities available for students for experimentation and research with upgraded tools. The college extends its laboratory facilities to students beyond college hours. Students are free to use the resources for their own research work or practice related to the theory taught in classrooms. The labs also boast of upgraded tools and resources to enable students to pursue any experiment without any limitations.

6. Strong Student-Teacher relationship

The key highlight of our institute is the strong student-teacher relationship. We at SIES GST, believe not only in educating our students but also parenting them. A teacher's role is to guide, give advice, and to support the student. With this purpose a well structured mentor-mentee system has been developed in the college. Students are constantly motivated and guided by the teachers to come out of their comfort zone and achieve success.

7. Holistic Development

"Education cannot be effective unless it helps a child open up himself to life." We at SIES help students explore beyond academics for holistic growth and development which is imperative in today's competitive world. Every student is unique and getting an opportunity to perform out of their comfort zone is how we curate our events and activities of varying backgrounds

BEYOND THE CLASSROOM

We believe that education is not just confined to a classroom. It incorporates everything, from the academic schedule to some intriguing activities like drama, music, writing, sports, social service, learning various technical skills and much more.

SIES GST provides students with a broad environment that encompasses all types of learning skills. Thus, this smart initiative turns into a huge accomplishment for our college as well as its students by supporting and augmenting their learning experience and accomplishing positive educational results for our students.

To cultivate quality education and for the advancement of our students, we provide more indulging learning, increase opportunities for our students to master learning with online materials and also try to develop our students' digital and autonomous learning. We at SIES GST try to shape a comprehensive learning environment for all our students. We believe that the right environment assists students to cultivate their skills in a better way and also helps them meet their requirements.

In today's world, as virtual classrooms have taken over, we believe that it is substantial to meet every student's needs. Our teachers create a virtual and safe space to back our students and expand their basic learning environment.

Infrastructure

Library: More than 28,000 volumes and around 5600 titles with an automated Bar-Coding system and a computer-enabled digital library giving access to more than 7000 international journals through the Multimedia Centre. Libraries store the energy that fuels the imagination because knowledge is in the air and every student learns something new with each visit.

Canteen and Cafe: The canteen and cafeteria offers snacks, beverages and lunch at very cheap prices. Besides, the canteen space is ideal for congregational activities of students. Canteen is the place where students enjoy their lunch with their friends and have fun. As it is provided with switch boards, some students work on their laptops while enjoying snacks. Cafeteria is the refreshment place for the students. The coffee helps them stay energetic for the whole day.

Gym: The facility of a well equipped gymnasium with modern services of a professional trainer is available in the campus. With a very minimal membership amount, every student can apply for membership of this place.

Internet: The Institute provides 24x7 Connectivity to the Internet in order to enable students to make use of online resources. The campus is Wi-Fi connected with 155Mbps broadband connectivity and access is also made available in all Labs, Library and the Computer Center.

Language Laboratory: The language laboratory is an audio-visual installation used as an aid in modern language teaching. Here students develop new skills.

Infrastructure

Computer Centre: Provides advanced computing facilities to the academic and administrative community of the college and plays a critical role in helping to keep the college at the leading edge of information technology by continuously enhancing and upgrading its facilities. It is equipped with the latest hardware and software facilities with modern computers, all well networked with a 24-hours internet facility. It is not only a platform for the students to sharpen their computer skills but also provides support and guidance to the students taking up projects in the software field.

Exam Cell - The place where all the students turnup for procuring all the information related to exams; for filling up the exam forms and collecting marksheets.

GST Auditorium: A spacious and acoustically perfect 150 seater well-equipped auditorium with all the modern facilities. Various seminars, project presentations, festival inaugurations and different competitions are conducted here. This is one of the most beautiful places on campus.

Courses at the campus

SIES GST offers a choice of 8 degree courses of 4 years belonging to branches of modern science and technology. The courses and their annual intakes are as follows:

Sr No.	Program	Intake	Year of Establishment
UNDERGRADUATE COURSES			
1	Electronics and Telecommunication Engineering	60	2002
2	Information Technology	60	2002
3	Computer Engineering	120	2002
4	Mechanical Engineering	60	2011
5	Electronics and Computer Science	60	2020
6	Artificial Intelligence and Data Science	60	2021
7	Artificial Intelligence and Machine Learning	60	2021
8	Computer Science and Engineering (IOT and Cyber Security including Blockchain)	60	2021
POSTGRADUATE COURSES			
Sr No.	Program	Intake	Year of Establishment
1	Artificial Intelligence and Data science	18	2021
2	Information Security	18	2021

Admission Procedure

The SIES Graduate School of Technology established in 2002 is managed by the South Indian Education Society which has been accorded the Tamil Minority status as per the provisions in the Constitution. Seats are available in the following categories-
a) South Indian Linguistic Minority (Tamil) (51% of sanctioned intake)
b) CAP/All India (29 % of sanctioned intake)
c) Institute Level (20 % of sanctioned intake)
d) Against vacant seats after CAP rounds.

A. South Indian Linguistic Minority (Tamil)| (51% of sanctioned intake):

Admissions under the linguistic minority (Tamil) category will be done at the Centralized Admission Process (CAP), Directorate of Technical Education/Admission Regulating Authority on merit, based on the MHT-CET 2022 score and as per the guidelines laid down by the Directorate of Technical Education (DTE)/Admission

Candidates eligible for admission to the First Year Engineering under this category shall satisfy the general eligibility conditions as per the Maharashtra State Govt. Regulations of Admission & Fee Act 2015 (Mah. Act No.XXVIII of 2015).

B. CAP/All India – Centralized Admission Process | (29 % of sanctioned intake):

The open category seats will be filled by the eligible candidates who satisfy the general eligibility conditions and are from the State of Maharashtra. Candidates under the All India Quota should satisfy the general eligibility conditions and must have obtained the required MHT-CET 2022 or JEE Main Paper I score. Candidates under the J & K migrant quota should satisfy the general eligibility conditions for admission. The candidate belonging to this type is required to appear for the MHT-CET 2022 or JEE Main Paper I. The CAP shall be conducted by the DTE /Admission Regulating Authority and eligible candidates are advised to follow the online admission procedure

Courses at the campus

C. Institute Level | (20 % of sanctioned intake):

All the admissions under the institute level (management) quota shall be done in a fair and transparent manner and on merit. The eligible candidature will be as per the guidelines given by Directorate of Technical Education/Admission Regulating Authority via their information brochure 2022.

D. Against vacant seats after CAP rounds:

Vacancy within the sanctioned intake due to the non-reporting (All India, MS seats, Minority in CAP), non-allotment (All India, MS seats, Minority in CAP) and cancellations, if any (under any category), will be filled as per the ARA/DTE guidelines 2022-23.

Percentage of seats available under CAP/Institute/Minority/All India Quota is decided by the Directorate of Technical Education/ Admission Regulating Authority, Mumbai. The exact distribution of seats available under the above mentioned categories shall be notified by the Directorate of Technical Education/Admission Regulating Authority, Mumbai before submission of application forms. However, it is made extremely clear that if, after issuance of this brochure, any seat(s) and admission(s) allocation difference exists, a separate notification will be made with appropriate details.

Candidates will be eligible for admission to the First Year Engineering Course as per the eligibility conditions listed below (Refer DTE/Govt. GR notification 2022-23 for details):

1. Candidate should be of Indian Nationality.

2. Should have passed the Higher Secondary Certificate HSC (Std.XII) examination of the Maharashtra State Board of Secondary and Higher Secondary Education or its equivalent examination with subjects English, Physics and Mathematics as compulsory subjects along with one of the Chemistry or Biotechnology or Biology or Technical or Vocational subjects and obtained at least 45% marks (at least 40% marks, in case of backward class categories and candidates with disability belonging to Maharashtra State only) in the above subjects taken together; and should obtain non zero positive score in JEE Main Paper I or the candidate should have appeared in all the subjects in CET and should obtain non zero score in CET conducted by the Competent Authority. However, preference shall be given to the candidate obtaining non zero score in JEE (main) Paper I over the candidates who obtained non zero score in CET.

OR

Passed Diploma in Engineering and Technology and obtained at least 50% marks (at least 45% marks, in case of Backward class categories and persons with disability candidates belonging to Maharashtra State only).

SEAT DISTRIBUTION MATRIX

SR NO.	Program (Bachelors of Engineering)	Intake capacity	Institute Level (20%)	Minority Quota (51%) Through CAP	CAP Quota (29%)	Supernumerary Seats	
						J & K	TFWS
1	EXTC	60	12	31	17	1	3
2	IT	60	12	31	17	1	3
3	CE	120	24	61	35	1	6
4	MECH	60	12	31	17	1	3
5	ECS	60	12	31	17	1	3
6	AIDS	60	12	31	17	1	3
7	AIML	60	12	31	17	1	3
8	CSE	60	12	31	17	1	3

SR NO.	Program (Post Graduate Courses)	Intake capacity	Institute Level (20%)	Minority Quota (51%) Through CAP	CAP Quota (29%)	Supernumerary Seats	
						J & K	TFWS
1	AIDS	18	4	9	5	0	0
2	IS	18	4	9	5	0	0

First Year Engineering Department

The First Year Engineering syllabus of Mumbai University comprises various subjects, as a prerequisite to prepare the students for all branches of Engineering. The FE department of GST excels at teaching the concepts behind core engineering, with emphasis on applied Mathematics & Sciences. The faculty is dedicated and actively involved in mentoring the young, impressionable minds. The academic programs of this department are organized so as to meet the requirements of the fast growing technology. First year students are nurtured to build their foundation, by our expert faculty.

Objectives:

• The first year department caters to the requirements of the first year engineering students, by providing proper guidance and motivation.

• The department aims at developing the student's academic potential and to arouse confidence in them, leading to a successful career.

• The department also trains the student to improve the cognitive and mental ability in problem solving.

Induction program for First Year Engineering students:

SIES GST has been conducting the induction program for the newbies since 2018. This helps them build bonds with other students and faculty members, and expose them to a sense of larger purpose and self-exploration. The event is planned by the First year department along with the students of higher classes. It is a well planned event to educate the new entrants about the environment in the institution,and connect them with the people in it. Student induction program engages with the new students in the first week of their college and the regular classes start only after the completion of the program. Students are made aware of the

Dr. AshwinKumar Chavan
Head of the Department

institutional policies, processes, practices, culture and values, and their mentor groups are formed with the senior students and faculty members.

Various activities are planned and conducted during the Induction Program such as :

• Universal Human Values.
• Physical Activity like Yoga and sports activities.
• Familiarisation with College, Dept./Branch.
• Visits in Local Area
• Extra-Curricular Activities in College.
• Lectures & Workshops by Eminent People.
• Creative and Literary Activities.
• Feedback and Report on the Program.
• Language and Mathematics proficiency tests.
• Introduction to various professional chapters and clubs.
• Interaction with Alumni.

First Year Engineering Department

Special Initiatives:

- Use of modern ICT tools for education including Google Classroom, online quiz, videos, mobile as a learning device, online lectures etc.
- Aptitude / soft skill training from first year onwards for higher studies/placements.
- "Matrix" – intercollegiate quiz competition exclusively for the first-year students.
- "Promethean- An Engineer's Solution to Environmental Problems." - A poster presentation competition exclusively for the first-year students.
- Effective implementation of the Mentor-Mentee Scheme for individual guidance and personality development of students.
- Remedial lectures anytime based on student's need as well as request.
- Very good communication with parents through mentors and accommodating parents' feedback for further improvement.
- Arranging field visits e.g. Effluent Treatment Plant, Installation of Solar Panels and Compost Pits etc.
- Scholarships for meritorious and needy students.
- Encouraging and motivating the first-year students to participate in conferences, technical events, project competitions, intercollegiate debate & quiz competitions, cultural programs, university sports etc.

Student's Achievements:

- Om Choramle, Aryan Babar from IT & EXTC resp participated in the event Big Boss.
- Zaid Chikte, Vinit Joshi, Tabdel Tanmay from AIML, AIML & EXTC resp participated in the event Treasure hunt.
- Sayed Noor Zakir from AIML participated in the Model United Nations.
- Hari Om Shukla from IT participated in the event Literary Festival of Performing Arts.

Computer Engineering

The Department of Computer Engineering is committed to the cause of growth and advancement of computer related technologies. The department was established in the year 2002 with the aim of acquainting students with the latest trends in Computer Science and Engineering. The Department has faculty members with both industrial and academic experience. Knowledge is imparted in Computer Architecture and Design, maintenance and networking. Students are also taught a spectrum of programming languages, spanning assembly language programming, C, Java, C++, .Net and operating systems like UNIX and Windows. The undergraduate program in Computer Engineering is essentially aimed at equipping the students with excellent programming and system related competencies. Teaching is focused on systems programming as well as application programming.

Dr. Aparna Bannore

Head of the Department

Vision

To be a Centre of Excellence in Computer Engineering to fulfil the rapidly growing needs of the Society.

Mission

• To impart quality education to meet the professional challenges in the area of Computer Engineering.
• To create an environment for research, innovation, professional and social development.
• To nurture life long learning skills for achieving professional growth.
• To strengthen the alumni and industrial interaction for overall development of students.

Program Educational Objectives (PEO)

• Pursue higher studies for career advancement.
• Practise Computer Engineering in core and multi-disciplinary domains.
• Exhibit leadership skills for professional growth.

Major Laboratories

• Programming Laboratory
• Database Laboratory
• Advance Computing Laboratory Web Designing Laboratory-1
• Web Designing Laboratory-II

Computer Engineering

Faculty Specialization:

Cloud Computing and Security, Cognitive Radio Network Security Semantic web, Intelligent Tutoring System, Educational Technology, Artificial Intelligence, Internet of Things, Software Engineering, Natural language processing, Machine Learning, Sentiment analysis, Text analysis, Data Analytics, Real Time Systems, Parallel Computing and HPC, Multimedial System, Blockchain, Algorithms and Programming languages

Student Development Programs:

• C coding competition exclusively for FE students on 24/7/2021.
• Internal Hackathon for SIH 2022 on 12 th March 2022.
• SDP on Competitive Coding.
• SDP on Ethical Hacking and Security

Research Consultancy / Projects Completed

• Cloud Computing and HPC.
• Medical chatbot for non-communicable disease awareness and prevention for Indian Rural Women.
• Opinion mining for good governance.
Crack monitoring in bridges using mobile robots.
• Analyzing students cognitive behaviour in an online learning environment using eye tracking.
• Dams Monitoring and Management using IOT to prevent disaster.
• Undertaken task related to development of various problem statement were successfully completed for Impactsure.

Students' Achievements:

• Varun Sreedhar, Srikrishna V & Sanjana Kumar won 2nd Prize in the event Byte Camp.
• Sharan Murli won 2nd Prize in the event Intercollegiate.
• Shabarish Ramaswamy won 2nd Prize in the event EOC STC.
• Sridhar Ananyaa won 1st Prize in the event Indian Classical Vocal Solo competition- MU Youth Festival.

Electronics and Telecommunication Engineering

Vision:

To be a premier department in Electronics & Telecommunication Engineering.

Mission:

- To provide quality education satisfying the requirements of the corporate world across diverse fields.
- To develop life-long learning skills to cater to socio-economic needs.
- To strengthen the Industry-Institute interaction to bridge the gap between academic and industrial requirements.
- To equip students with leadership and entrepreneurial skills.

Program Educational Objectives (PEO):

- Identify, formulate and solve engineering problems in the industry, complying with ethical standards and societal needs.
- Pursue higher studies and professional development courses leading to a significant advancement in the field of specialization.
- Apply technical concepts to develop applications and design products.
- Exhibit leadership and entrepreneurial acumen in career.

Major Laboratories:

- Microwave Laboratory
- Digital Signal processing and Laboratory
- Optical Communication Laboratory
- Microcontroller Laboratory
- loT Laboratory
- Project Laboratory

Dr. Preeti Hemnani
Head of the Department

Faculty Specialization:

Computer Communication Networking, Digital Design, Wireless Sensor Networks, Image and signal processing. Antenna and Microwave Engineering, Microprocessors Microcontrollers & Embedded Systems, Solar Energy, Mobile Communication, Battery Management system, Artificial Intelligence, Bandwidth and Power Efficient Digital Modulations, VLSI design, Satellite and Optical Communications.

Student Development Programs:

- FPGA Design using VHDL/Verilog
- Embedded System-Arm Mbed and Node MCU
- Embedded System Design using the Arduino
- Amazon Alexa workshop
- Line Robotics Workshop
- Advanced Antenna Design
- Image Processing and Machine Learning using Python
- Workshop on Rpi

Electronics and Telecommunication Engineering

Research Consultancy / Projects Completed :
- Real Time litter detection using ML.
- Planar textile antenna for WBAN operating in ISM band
- Copyrights for the contents on " H shape Hybrid ring Power"
- Copyrights for the contents on Litter detection using Machine Learning
- Copyrights for the contents on Analogy between 6G communication network and animal kingdom
- Patent on a machine learning based system for enhancing computer network security

Student's Achievements :
- Sahil Pednekar, Swapnil Vishwakarma , Prathamesh Thakur and Sakshi Shetty won 1st prize in the event National level video making competition at DBIT.
- Harsh Agrawal won 1st prize in the event Ideathon.
- Tushar Ninawe won 2nd Prize in the event dot your design, graphic design poster competition
- Aaryan Kumbar won 1st Prize in the event Dot your design; graphic design poster competition
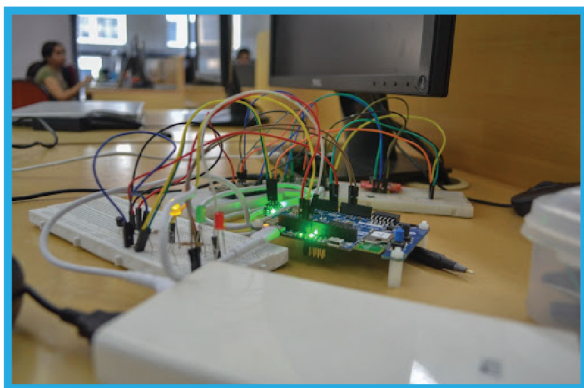
Information Technology

The IT sector has grown phenomenally in the past decade, with the advent of IT and IT services related companies providing career opportunities to millions of people around the world. Studies show that India is the largest exporter of IT. It is the study, design, development, implementation, support and management of computer based information systems, particularly software applications and computer hardware. Due to increasing demand for qualified IT professionals, it has become the most preferred career option all over the world, for enterprising and growth oriented people. The course is designed to prepare engineers for IT-enabled applications and services. An engineering graduate in IT will be capable of bringing about a holistic approach to the designing, testing, and maintenance of Information systems. This course focuses on building engineers who are well conversed with the latest technologies in the field of Information Technology and efficient to analyze and come up with innovative ideas for creating as well as designing various softwares and applications. PG Course in Information Security was started by the Information Technology Department in the year 2021-22.

Vision:
To develop IT professionals for accomplishment of industrial & societal needs through quality education.

Mission:
- To impart advanced knowledge and develop skills in Information Technology and allied fields.
- To enhance professional competence by inculcating values and ethics.
- To upgrade technical skills and encourage research culture.
- To extend industry and alumni association for knowledge enhancement.

Dr. Lakshmi Sudha
Head of the Department

- To nurture entrepreneurial talent and contribute towards socio-economic growth.

Program Educational Objectives (PEO):
- Compete in a professional career with social and ethical responsibilities.
- Pursue higher studies / research in Engineering & Management.
- Become entrepreneur or software professionals to satisfy the latest industrial requirements.

Major Laboratories:
- Networking and Security Laboratory
- Advanced Database Laboratory
- Programming Laboratory
- Object Oriented Software Laboratory
- Cloud Computing Laboratory SEDC/ PCOM Laboratory

Faculty Specialization:
Wireless sensor Networks, Embedded Systems and Internet of Things, Cloud Computing, Blockchain, Data mining, Artificial intelligence, Data Analytics, Image Processing, Android Security, Web application development and Security.

Information Technology

Student Development Programs
- Enterprise Network Design using 12 and 13 switch
- Bootstrap Framework
- CCNA-Routing and Switching
- Advanced Web Technologies
- Internet of Things using Intel Galileo board

Live Projects Completed
- Office management system(In house project)
- Landing page project of Lab systems
- Smart Car Parking System using Wireless Sensor Networks
- Voice Control Car using Machine Learning

Consultancy Projects
- Mobile App Development for Mutual Funds.
- Document Gathering
- Text Extraction from Scanned Documents
- E-Commerce Website Data Scraping

Students' Achievements
- Ritik Karayat won 1st Prize in the event Bug Squash Hackathon.
- Pooja Shetty and Ms. S Ananthaselvi Shankaran won 3rd Prize in the event Anveshana.
- Krithik Pramod Suvarna got All India Rank 8 in the event GAIT India Open Test.
- Mr. Diwan Kadir Nuruddin, Mr. Rajeev Bandi, Miss. ArhahUpade won 1st Prize in the event Innovations.

Mechanical Engineering

Mechanical Engineering is one of the most versatile and broadest engineering disciplines that include the application of the principles and problem-solving techniques of engineering from design to manufacturing to the marketplace for any object. Mechanical engineers analyse their work using the principles of motion, energy, and force ensuring that designs function safely, efficiently, and reliably, all at a competitive cost. In addition to these core principles, mechanical engineers use tools such as computer aided design (CAD), computer aided manufacturing (CAM), and product lifecycle management to design and analyse manufacturing plants, industrial equipment and machinery, heating and cooling system, transport systems, aircraft, watercraft, robotics, medical devices, weapons, and others.

Vision:
To be a Centre of Excellence in the field of Mechanical Engineering, instrumental in Innovation, Entrepreneurship and Serving the needs of Society.

Mission:
- To create an environment that inspires students and staff to develop competency in Mechanical Engineering field.
- To create the infrastructure necessary for the overall development of students to work on current technologies in the Industry.
- To provide entrepreneurial culture to tackle the problems of society.
- To nurture entrepreneurial talent and contribute towards socio-economic growth.

Program Educational Objectives (PEO):
- Build a successful career in National or Multinational Organisations or as an Entrepreneur.

Dr. Rupendra Nehete
Head of the Department

- Pursue higher education for professional development.
- Exhibit ethics, values and good leadership qualities for organisational development.

Major Laboratories:
- Material Technology Laboratory
- RAC Laboratory
- CAD/CAE/3D Printing Laboratory
- Fluid Mechanics Laboratory
- Vehicle Engineering Laboratory
- Heat Transfer Laboratory
- Mechatronics/ Robotics Laboratory

Faculty Specialization:
Digital Manufacturing, Renewable Energy, Automation, Robotics, Industrial Engineering and Manufacturing. Management, Production Engineering, Design, Heat and Mass Transfer, HVAC, Heat Pump, Solar Energy Systems, Mechanical system design, CAE (Computer Aided Engineering), Wind turbine testing & analysis, Biomedical engineering, Solar Thermal System, Solar PVT System, Bio-Diesel, Computational Fluid Dynamics (CFD),

Mechanical Engineering

Fluid Structure Interaction (FSI), Lean, Green and Six Sigma Manufacturing Strategy, Industrial Engineering and Composite Materials.

Student Development Programs
- Guidance for UES applicants (armed forces) Bootstrap Framework
- 3 D printing and Modelling
- Computer-aided Manufacturing
- GATE awareness and Carrier Guidance sessions
- Robotics and Python Programming
- Additive manufacturing
- Computational Fluid Dynamics (CFD)
- Internship in industry and In-House internship

Research Consultancy / Projects Completed:
- Solar Cooling Helmet (patent) - Dr. Rupendra S. Nehete
- Patent filed by Prof. Prashant A. on Method and Process to Identify Tool Wear Through Image Processing' Published on 29/10/2021
- Three faculties from the Mechanical Engineering Department filed a patent on 'Telescopic shaft for four-wheeler terrain vehicles' on 21/10/2021
- Two Copyrights filed by Mechanical Engineering faculties on their research project.

Students' Achievements
- MBAJA Team Turbocrafters won AIR 14th overall, AIR 6th Endurance, AIR 6th 4WD, AIR 8th Cost Event, AIR 17th Maneuverability, AIR 17th Suspension and Traction, AIR 15th Overall Statistics and AIR 21st Overall Dynamics in the event MBAJA Dynamic.
- Final Year students won Best paper award in the event 6th International Conference EQUINOX.
- Shubham Varade, Shivam Varade won 1st Prize in the event National Level Automotive

Electronics and Computer Science Engineering

The department of Electronics and Computer Science Engineering was established in the year 2020. Being a new department, the main focus of this branch is to impart knowledge about both the hardware and software parts of engineering. The department is designed to provide quality education imparting skills in electronics hardware, software, and IT development. It deals with the effects of electrons to build components, devices, systems, or equipment. With new changes in technology and rapid growth in this field, it has become a necessity to develop both technical and software knowledge to cope-up with the changing times. The department has highly qualified and dedicated faculty members who specialise in their areas of expertise. Students are taught a wide range of topics like VLSI designing, Internet Of Things, Data Analytics, ML, and Robotics a few others along with software engineering and internet programming.

Vision:
To excel in the field of Electronics and Computer Science Engineering for serving the needs of the society.

Mission:
- To nurture the students to have technical skills for multidisciplinary in the field of Electronics and Computer Science.
- To inculcate ethical values and develop leadership qualities.
- To encourage research in cutting edge technologies.

Program Educational Outcomes (PEO):
- Build multidisciplinary domain knowledge
- Develop the ability to innovate, design and evolve project implementing capabilities.
- Pursue higher studies and develop a career in advanced technologies.

Dr. Deepti Reddy Patil
Head of the Department

Program Specific Outcomes (PEO):
- Students will be able to acquire knowledge in cutting edge technologies.
- Students will be able to develop innovative multidisciplinary projects.

ECS departmental objectives:
- To conduct at least two events to improve technical skills of the students in the field of computer and electronics.
- To strengthen industry academic relationships
- To develop at least two MOOC courses

Students' Achievements:
- Shriya Kolambkar, Sanya Sharma, Mrunal Kondekar won 2nd Prize in the event Innovations:2022- National Level Project Competition.

Artificial Intelligence and Data Science

Artificial Intelligence & Data Science program is designed to provide engineers with potential for high growth, dynamic, and lucrative careers. In SIESGST, the AIDS branch started in the year 2021 .Concrete conceptual knowledge of AI Domain and its related fields as well as excellent programming abilities are the main objectives of the undergraduate curriculum for Artificial Intelligence and Data Science Department. Artificial intelligence (AI), a broad field of computer science, is concerned with creating intelligent machines that are capable of performing tasks that typically require human intelligence. Simulating or imitating human intelligence in machines is the main objective of AI.Artificial intelligence (AI) applications such as Machine Learning (ML), NLP and deep learning systems made it necessary to understand in depth knowledge of data science. These systems automatically learn from experience and advance without explicit programming. The development of computer programs that can access data and use it to learn for themselves is the focus of data science algorithms .

Vision:
To provide quality education in the field of Artificial Intelligence and Data Science to provide sustainable solution for the society

Mission:
- To impart quality education to meet the challenges in the field of AIDS.
- To inculcate modern technology usage to fulfil the needs of the society.
- To nurture lifelong learning skills to develop professional growth and meet industry expectations.

Program Educational Outcomes (PEO):
- Practise AI and DS in central and multi-professional domains.
- Exhibit disciplinary skills for overall growth.

Dr. Rizwana Shaikh
Head of the Department

Future Job Prospects in AIDS:
- The study of AI&DS emphasises on knowledge extraction from domains like statistics, cognitive science, computing and information science.
- The course primarily focuses on making intelligent decisions in business applications, development of data driven solutions, data visualisation tools and techniques to analyse big data.

Opportunities of Higher Studies:
Students who graduate from AIDS with honours have the option of specialising in fields such as expert systems, natural language processing, neural networks, robotics, fuzzy logic systems, etc. to continue their education. For AI&DS undergrads, many universities at the global, national, and local levels offer specialised M.S., M.Tech, M.E, MBA, and PG Diploma courses.The course acts as a stepping stone for students who want to participate in the digital India initiative by investigating and conducting research on AI-based solutions in the fields of smart cities, smart vehicles, and many more. Capitalist-minded students can develop the necessary solutions in interdisciplinary fields.

Artificial Intelligence and Machine Learning

The department of Artificial Intelligence and Machine Learning (AIML) is committed to impart deep knowledge in emerging areas of AI domain and enhance the employability skills set. The department was founded in 2021 with the goal of acquainting students with the most recent advancements in the field of AIML. The department has faculties with both academic and industrial expertise. Concrete conceptual knowledge of AI Domain and its related fields as well as excellent programming abilities are the main objectives of the undergraduate curriculum for Artificial Intelligence and Machine Learning Department.

The recent breakthroughs of deep learning have made the combination of artificial intelligence (AI) and machine learning (ML) the most significant emergent technology in the major fields of research and industry. A form of AI called Machine Learning (ML) allows a system to learn from data rather than through explicit programming, and it is increasingly acknowledged as a force that will power the future global digital economy.

Vision:
To impart quality content education to develop technically proficient and socially responsible engineers in the emerging branches of interdisciplinary domain.

Mission:
• To provide students with a comprehensive education to prepare them for the rigours in the domain of AI

Dr. Varsha Patil

Head of the Department

• To establish a platform for academics, innovation, professional growth, and social interaction.

Future Job Prospects in AI/ML:
The job market for AI experts is very promising. According to a Forbes report, the growth rate for AI job opportunities has consistently been 74 percent annually. It goes without saying that AI, which has an impact on almost every industry, is one of the most in-demand technologies today. Therefore, there is an increasing need for AI engineers. Because there are more job opportunities now than ever before, this is the ideal time to think about a career in AI.
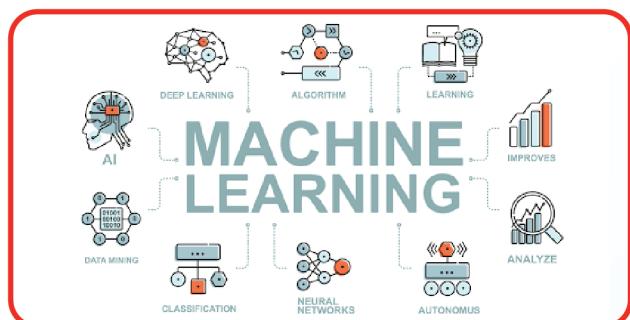
Computer Science and Engineering (Internet of Things and Cyber Security including Blockchain)

The Internet of Things (IoT) is a system of interrelated computing devices, mechanical and digital machines provided with unique identifiers (UIDs) and the ability to transfer data over a network without requiring human-to-human or human-to-computer interaction. Cybersecurity is the protection of computer systems and networks from the theft of or damage to hardware, software, or electronic data, as well as from the disruption or misdirection of the services they provide. Blockchain technology can be used to protect systems, and devices from attacks , blockchain security means that there is no longer a centralised authority controlling the network and verifying the data going through it.

Computer Science & Engineering (Internet of things and Cyber security including Block chain Technology) undergraduate engineering course has been started by the institute from the academic year July 2021.

Vision:

"To be a centre of excellence in IoT, Cybersecurity and Blockchain Technologies cater growing demands of society"

Mission:

• To Impart quality education to satisfy the advanced requirements in the fields of IoT, Cybersecurity and Blockchain.

• To provide a platform for developing research, professional, social and innovative skills.

• To develop entrepreneurial, technical and life-long learning skills for socio-economic growth.

• To strengthen the alumni and industrial association for development of students leading to technical and socio-economic growth

Dr. Shubhangi Kharche

Head of the Department

PEO:

• To facilitate learning environment in the fields of IoT, cybersecurity and Blockchain for career advancement

• To inculcate technical,professional, social, innovative, leadership, entrepreneurial and lifelong learning skills in graduates

• To facilitate an environment for higher studies.

• To instil human values and professional ethics in graduates.

PSO:

The students will be able to:

• To work in multidisciplinary domains associated with IoT, Cyber security and Blockchain technologies

• To solve real life problems related to IoT and Cyber Security

Training and Placement Cell

Training & Placement Cell of SIES GST is actively involved in grooming the fresh Engineering Graduates and making them Industry ready. The higher studies aspirants are provided with relevant information as well as guidance to prepare for various competitive exams. The T&P team conducts and organises various training activities and seminars throughout the academic session to guide the students, across all branches, and help them practise for their area of interest. Training activities and workshops are conducted as well as organised to help students with:

• Career Guidance
• Building Resume
• Personality Development- Communication, Soft Skills
• Aptitude Test Training and Mock online test for practice
• Strategies to participate in Group Discussion and Personal Interview
• Facing Technical Interview
• Technical Skills- upgrading knowledge and skills as per the recent industry norms
• Industry Interaction- Guidance from Industry Experts
• Preparation for Competitive Exams

The primary objective of Training & Placement Cell (T&P) is to provide employment opportunities and professional training to the students. At GST, the T & P cell strives to collaborate with industries to provide campus placements and internships to all the students.

The institute also has an Industry Institute Interaction cell to collaborate with industry for consultancy projects where the students get to work on live projects and on problem statements provided by the industry. The Training and Placement Cell of the Institute centrally handles campus placement of the graduating students of the University. The Cell provides complete support to the visiting companies at every stage of the placement process. The Cell is well equipped with ample infrastructure for the companies visiting the campus. It

Ms. Seema Khan

Training and Placement Incharge

also regularly conducts and organises career development sessions by industry professionals to create awareness among students regarding available career options and help them in identifying their career objectives and guide them in developing skills and job-search strategies required to achieve their career objectives. Regular feedback from the industry is taken to bridge the industry academic gap and to provide inputs for curriculum enrichment.

Some of the training programs in the last academic year

• Pre-placement Campus Recruitment Training (CRT) by Professional experts from IMS and Campus Credentials.
• Seminar on "Strategies to Participate in GD/PI" and Mock Group Discussion
• Employability Assessment through Aspiring Minds Computer Adaptive Test (AMCAT)
• Language Lab for Improving Language Skills.
• Regular Aptitude sessions for Improving Aptitude Skills.

Training and Placement Cell

Our Top Recruiters:

ME	EXTC	CE & IT	PPT
JSW Steel	TCS	TCS	AmulFed Dairy
Toyo Engineering	Infosys	Infosys	Tetrapak
Schindler	Cognizant	Wipro	Essel Propack
Jacobs	L&T Infotech	L&T Infotech	Kodak
Sanmar Group	TechMahindra	TechMahindra	Future Group
Mahindra & Mahindra	Wipro	Capgemini	Dabur
Saint-Gobain	Capgemini	Reliance Industries	SMI Coated Products
RMC Prism	Reliance Industries	Reliance Jio	Monotech
Cimpress	Reliance Jio	Reliance Communications	Avery Dennison
AllCargo Logistics	Reliance Communications	Amazon AWS	Sakata Inx
HDFC	SeleControl	Cimpress	Yusen Logistics
RMC ReadyMix	Automata Systems	EPAM	Cadbury Mondelez
Bluestar	Hind Rectifiers	GEP	Ferrero Rocher
Decathlon	KPIT Cummins	Equifax	Tech Mahindra Cambridge University Press
	HDFC	Majesco	Toyo Inks
	Ericsson	NewGen Software	Pearl Polymer
	Publicis Media	Atos-Syntel	Temple Packaging
	Decathlon	Xoriant Solutions	Prefect Packaging
	Zycus	NSEIT	Total Print Solutions
	NSEIT	Zeus Learning	
		Publicis Media	
		HDFC	
		SBI Life	

Our Partners:

Mentor Mentee

We at SIES GST, believe not only in educating our students but also parenting them. The mentor's role is to guide, give advice, and to support the mentee. With this purpose a well structured mentor-mentee system has been developed in the college.

The professors of the college are allotted to a number of students as mentors under this system. The mentor is one resort for a student where one can seek knowledge, guidance and support at all times. The mentor bridges the communication gap between parents and management by regularly updating the parents about the student's progress and updates from the college.

The mentor- mentee scheme has been a revelation towards a promising personal and professional guidance relationship developed over time between faculty and students.

Mentor-mentee program is defined by the following activities.

1. Providing emotional support to students (mentees) on an individual basis.
2. Helping students overcome homesickness. Establishing rapport between teachers, students and parents.
3. Recognizing their talent and interests; thereby encouraging students to participate in co-curricular and extra curricular activities.
4. Monitoring attendance and behavioral aspects of every student.
5. Identifying weak areas and working out remedies helping students thereby taking their complete care.

"A mentor is someone who sees more talent and ability within you, than you see in yourself, and helps bring it out of you."

— Bob Proctor

FE Induction

The FE induction program is a yearly session conducted by SIES GST where the faculty and the students interact with the new batch of students to familiarise them with the college. The first day of FE induction starts with a brief introduction about the program, the workings and teams of the Student Council of SIES GST. The second day starts with a Yoga session organised by the NSS Team of SIES GST. Later on all the teams give their introductions to the students with some insights about their work towards the college.

BEACON

The South Indian Education Society has taken a significant step forward by making social responsibility a part of the education process. The SIES College of Arts, Science & Commerce, Sion West, took the first initiative by adopting a small tribal village in 2013 followed by the SIES College of Management Studies adopting another in 2014. The SIES Graduate School of Technology, Nerul has extended the initiative further by treading a different path. As part of the Institute, Social Responsibility initiative taken by the South Indian Education Society, provides vocational training to the underprivileged sections of the society. The target group is orphans, street children, school dropouts and similar individuals between the age group of 18-30 years.

Beacon offers seven trades; viz Carpentry, Welding, Metal Turning, Sewing & Tailoring, Plumbing, Electrician, Screen Printing and Computer Operator, each having a course duration of six months including a foundation course for all. The courses focus more on practical hands-on training with minimum required theoretical background. Each candidate is further exposed to the basics of grooming, banking skills, computer skills, spoken English, Mathematics, as part of the foundation course. At the end of the training, the students are placed with service providers, contractors or in industries for internships.

Reconnect

ReConnect is SIES GST's Alumni Association registered in the year 2012, which provides a platform for the ex-students to interact with the Institute. Reconnect has led to the formation of a closely knit community which promotes, supports and inspires the current and future alumni of the college in their endeavours. Reconnect is the annual gathering of SIES GST Alumni, which is held on the first Saturday of January every year. Being the institution's most loyal supporters who shape the future of the college in a pivotal manner, ReConnect helps the alumni to engage with the students and staff on a regular basis.

Priyanka Naik   Arun Parthasarathy   Abhishek Murthy   Vivek Swaminathan   Sajid Abdulla

Our Distinguished Alumni

Priyanka Naik BE CE (2007-2011) : Priyanka is an alumni from 2011 batch with a degree in Computer Engineering. She is currently working as a Research Scientist at IBM Research India. Her research has been published at well known conferences like SoCC, IEEE Cloud, APNet to name a few.

Arun Parthasarathy BE CE (2005-2009) : He is an Information Security Professional with over a decade of experience. He currently works at Google focusing on Information Security Engineering related Programs. He holds a variety of industrial certifications such as CEH, ECSA, ITIL, CISA, CCSK, CCSP, CISSP.

Abhishek Murthy BE CE (2002-2006) : Abhishek Murthy is currently a Senior ML/AI Architect at Schneider Electric (SE) in Boston, USA. He has been awarded 9 patents and has more than 50 applications pending. Abhishek was the first General Secretary of the Student Council at SIES GST and co-organized the first editions of Tatva, the college's technical festival.

Vivek Swaminathan BE CE (2004-2008) : Currently working as General Manager and Global Head at Digital Workplace Centre of Excellence Organisation: HCL Technologies. He is a Cloud and Infrastructure Solution Architect Professional with experience in handling multiple projects globally involving Infrastructure and Digital with 10+ Years of Experience in the areas of End User Workplace and Data Centre Technologies.

Sajid Abdulla BE CE (2009-2013) : Currently working as a Product Owner for in-store customer care solutions for H&M Group for all stores across the world. He has 8 years of experience in SAP as a technical developer. He Automated "Reverse Engineering" solutions for eliminating manual errors during knowledge transfers and also created the online Customer Service contact platform for H&M Group.

Industrial Visit

Industrial visits have their own importance in shaping the career of students who are pursuing a professional (graduation) degree. It is considered as a part of the college curriculum and the objective of an industrial visit is to provide students with insight regarding the internal working of companies. Theoretical knowledge is alone not enough for making a good professional career. It thus aims to provide exposure and practical perspective to the working world. It shows the students a glimpse of their life once they complete their graduation.

Industrial visit is considered one of the tactical methods of teaching. The main reason behind it is that it lets students know things practically through interactions with the industry personnel, their working methods and employment practices. Moreover, it gives them exposure from an academic point of view. They also provide students with a good opportunity to gain full awareness about industrial practices. Every year SIES GST organises an industrial visit to Rajasthan, Bangalore, Mysore, and many other places for the students of the third year from all branches of engineering in the month of December and January.

Enhancing learning through Co- Curricular activities

"Our highest endeavour must be to develop free human beings, who are able to impart purpose and direction to their lives."

-RUDOLF STEINER

Education is of utmost importance to any country, as it imparts knowledge that gives people an edge on a global scale. It also arms them with soft skills that would be needed in the workforce. While academics is important, it is extracurricular activities that will teach you lessons that transcend the four walls of a classroom. Academic excellence alone can no longer assure success and happiness in life and career. Holistic development through education from the early stage of a child's life has become more important today than in the last century.

Holistic development essentially means the development of intellectual, mental, physical, emotional, and social abilities in a child so that he or she is capable of facing the demands and challenges of everyday life. These abilities are vitally important for success in professional fields of work. Be it school or college, the key to a fruitful educational experience is when students can maintain a perfect balance between their academics and co-curricular activities. Participating in such activities helps them improve their communication, management, time, and crisis management skills.Co-curricular activities improve the learning experiences of students, help them identify and develop their inner talents like creative & public-speaking skills, leadership qualities, etc.It also offers them an opportunity of thinking differently and getting the innovative ideas of their own. In a highly competitive world, students face pressure to perform better and be an all-rounder. Participating in different forums/clubs like technical, debate, sports, theatre, music are an essential part of student life.

SIESGST provides all the students with a platform that is dynamic, competitive and yet encouraging enough for the holistic growth of the students.The campus offers a positive environment for learning, as well as personal, professional, and intellectual growth. We have a well-qualified and widely experienced faculty who not only teach the students but also mentor them in order to make them better individuals. Only better individuals can serve our society better.

- Dr. Smitha S Kumar

(Student Council Incharge)

Students' Council of SIES GST

The Student Council is formed at the beginning of each year, consisting of the active members of the institute. It forms a link between the institute administration and the students. The Council ensures the holistic development of students by inculcating a sense of responsibility, good interpersonal and leadership skills. It compels them to think and express their thoughts with clarity and confidence.

Objectives of the council:

1) Holistic development of students.
2) Inculcate among students, a sense of responsibility, good interpersonal and leadership skills.
3) To make them think and express their thoughts with clarity and confidence.
4) Fulfil social responsibilities.
5) To be a link between students and administration.
6) Promoting self-governance.

Team Turbocrafters

Team Turbocrafters is one of the most prestigious and well-known intercollegiate design and racing championships in India for undergraduate students. Team Turbocrafters under SAE SIES GST is a team of 25-30 undergraduate engineering students representing the college in various national-level events like BAJA SAE, ESI, and ATVC. The team designs, fabricates, tests and runs an All-Terrain vehicle from scratch starting from designing, manufacturing, testing and much more in college workshops under our faculty advisor's guidance. Teams from all across the country participate in these events. Only 250 teams from thousands of applications are shortlisted for the main event. The shortlisted teams then go through technical inspection, brake test, acceleration and various static events. The Team Turbocrafters were the only BAJA 2021-22 team with a fully functioning 4WD with electronic actuation. SIES GST is proud of Team Turbocrafters for securing **AIR 14th overall, AIR 6th Endurance, AIR 6th 4WD, AIR 8th Cost Event, AIR 17th Manoeuvrability, AIR 17th Suspension and Traction, AIR 15th Overall Statistics and AIR 21st Overall Dynamics** in the MBAJA Dynamic events held during 2021.

NSS: Promoting Humanity via Social Service

The NSS Unit of SIES GST spreads awareness and helps solve problems in our society. The unit also focuses on developing personality and leadership skills of its volunteers. The NSS Unit raised awareness on problems such as Stop Doping, Save COVID orphans, Stop Body Shaming and many more through a Social Awareness Skit. The Unit has also perfomed Street Plays on issues like Menstruation, LGBTQIA+ rights, Nationalism and Sex Education. NSS has implemented many visions such as "Feed the Needy", "Educate the Needy", "Clean and Go Green" and "Share Your Warmth". In addition to these, the NSS Unit organises a 7-day residential camp annually. NSS also holds Yoga and Self-Defence Workshops and Tree Plantation Drives. The NSS volunteers embody their motto- "Not me, but you" through both their distinctive actions and words.
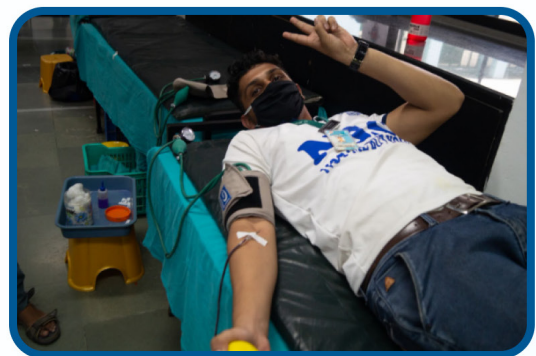
Student Council Teams & Professional Chapters

Technical Team

Literary Team

Media Team

Cultural Team

Creative Team

Marketing Team

Design Team

PR Team

Student Council Teams & Professional Chapters

Logistics Team

Publicity Team

Codechef


GDSC

CSI


IEEE

ISTE

IETE

Cognition

Cognition is the annual technical festival organised at SIES Graduate School of Technology. As one of the premier technical festivals in the city of Navi Mumbai, Cognition defines what it means to be a holistic collegiate festival - an amalgamation of stellar technical prowess and a creative ethos designed to entertain and enthral a wide range of audience that attends it each year. It comprises over 5 National-Level competitions alongside fun and enticing education events. But to describe why it is the highlight happening of the college, details of Cognition '19 will answer the question in the best way! What started as memes on the US government supposedly hiding extraterrestrial life in Area 51 grew into a plan to raid their headquarters on 20th September. Due to the relevance of this topic, Cognition '19 had adopted an 'Area 51' theme and promised to host a multitude of activities catering to our love for the unknown.
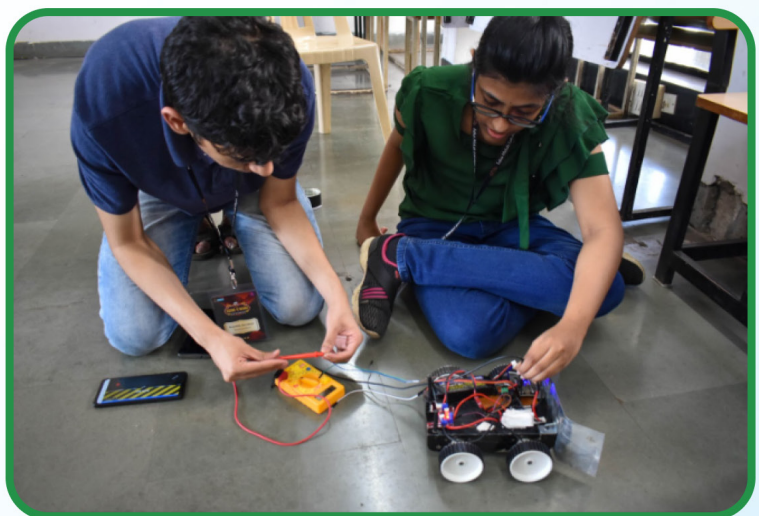
Tatva Moksh Lakshya

Tatva Moksh Lakshya (TML) is the Annual Cultural Festival of SIES GST which has been conducted annually for 14 years. It is described as one of Navi Mumbai's most looked-upon collegiate events. The fest is a projection of the creativity, hard work and splendid talents of the students. Not only GSTians but students from colleges across the city actively indulged in all the various events, games, and competitions. TML consisted of many events and sports activities. The Media Team got their equipment out to cover the events. And to ensure that all perfect shots were captured. All events were successfully covered and many fun moments were recorded.

In the academic year 2021-22, various kinds of fun events were organised, such as **Radium Cricket & Cross Fit** which challenges participants with a series of activities of physical abilities. Some fun-based logical events were organised such as **Treasure Hunt**. Looking at the interest of youths in entrepreneurship an event was organised named **Shark Tank**. Some other thrilling and technical events were also organised such as **Robo soccer & RC Car Racing**. Some of the events were organised in the Performing Arts. Celebrity judges were also invited to events such as **Abhinay Darshi & The Voice**. Apart from all these some other eye-catching events were **Fashion Show & Cosplay**.
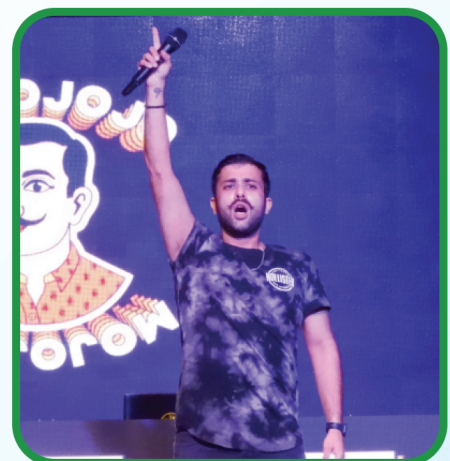
LAKSHYA

Sports and games have been viewed as a way to stay healthy and fit mentally as well as physically. Playing sports teaches lessons in life, such as teamwork, accountability, self-confidence, responsibility, and self-discipline.

To ensure that the concept of "**SPORTS FOR ALL**" is followed in our college, we organise our annual pre-fest LAKSHYA so that every student gets a fair chance to play. Lakshya is an inter-department sports tournament organised by the Sports Team and Student council. Nearly 400 students take part every year in various sporting events under Lakshya. In the academic year 2021-22, Lakshya was started in March and was concluded in April. We had a total of 12 sports with each sport having some points for the top 2 teams. Students from all the departments participate and compete against each other within the spirit of the game to win it all. The prestigious Shield is awarded to the department with the maximum points. The following are the events conducted in LAKSHYA 2021-22: Box Cricket, Open Cricket, Football, Kabaddi , Chess (Boys & Girls), Volleyball(Mix), Athletics(Boys, Girls & Mix), Tug of war(Boys & Girls), Carrom (Boys & Girls), Table Tennis (Boys & Girls), Basketball (Boys & Mix).

PROFESSIONAL BODY ACTIVITIES

MATRIX

Matrix is a national level quiz competition organised by ISTE SIESGST for the First Year Engineering Students. The event was overall based on topics covered up to class 12, logical reasoning, and few knowledge-based games. The responses received from participants were overwhelming. The rounds were played by each participant in a team of 3. The first round was played on kahoot on basic Physics, Chemistry, Mathematics and General knowledge. The second round of the event was the placard round. The third round began with a crossword where each team was given a crossword. The top six teams qualified for the final round.


INNOVATIONS
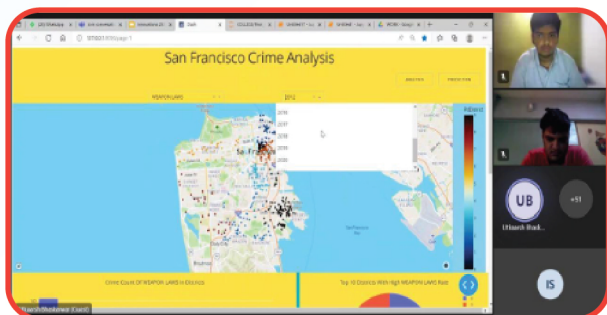
Innovation is the key to development in any field. The CSI Student Chapter of SIES Graduate School of Technology conducts a National level project competition, Innovations annually. It serves as a platform for young minds to take this window of opportunity and bring forward their innovative ideas in the form of projects. Each year teams from various institutes all over Maharashtra as well as other states, participate in Innovations in large numbers.

TECHOPEDIA

IEEE SIES GST organises National technical fest **Techopedia** every year. To symbolise time and honour, Techopedia's success over the past ten years, Epoch: A Cruise Through Time served as the event's theme for the year. Participants were given the chance to go off on a voyage to explore other worlds and understand the magic of the fourth dimension, i.e time. This narrative incorporated several technical and non-technical approaches, and awards were given to the select few who excelled. The six events that made up the entire festival were: Squabble,Inquisitive,Technopreneur,QuantumBreak,Nexus,Labyrinth.The event received a total registration count of 1,500, The top performers from all the events were allocated exciting cash prizes and certificates.
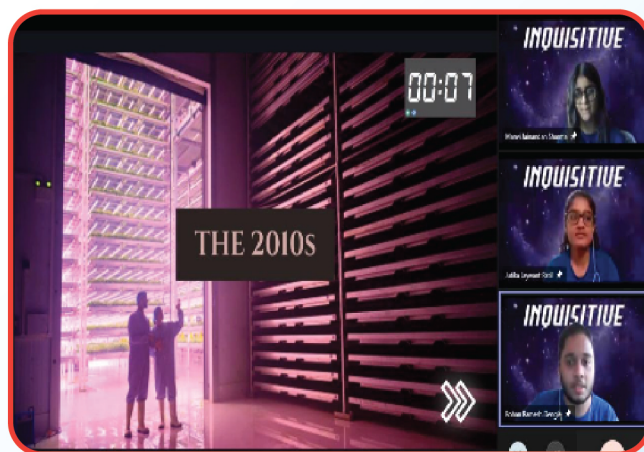
PROFESSIONAL BODY ACTIVITIES

TECHXTER

TECHXTER is a National Level Technical Paper Presentation Competition, open to all the branches of Engineering & Polytechnic. TECHXTER is to provide a unique platform for all tech-savvy students to express one's deep understanding of the technical aspects and exhibit their presentation abilities.

Innovative ideas and abstracts from students all over the country are accepted. The best ones are presented on this platform of ingenuity. TECHXTER, an annual flagship event under IETE, presents an excellent opportunity for demonstrating technical competence and innovative talents in the form of papers.

PROMETHEAN

Team Promethean had another amazing year, filled with some compelling events. The concept of 'an engineer's solution to environmental problems' was intriguing to FEs. Team Promethean later on conducted the second episode of Terra Talk. It was an Instagram live session. The main event is Promethean, exclusively for the FEs. Starting off with Round 1, students had to prepare PPTs about their chosen topics, give their own solutions and present them in front of the judges. Only a few of the many PPTs were selected for round 2, which was a poster round. It was a successful event, and the winners were awarded trophies and laurels.

P-PACK

The department of Printing and Packaging technology(PPT) at SIES GST, under the student chapter Indian Plastic Institute(IPI),Mumbai organised "P-PACK". A national level technical quiz on 'plastics in packaging' conducted every year during SIES GST's Flagship Annual Intercollegiate Technical Festival 'Cognition'. Students of Undergraduate B.E/B.Tech degree and diploma courses in Plastic/Polymer/Packaging related fields participate every year from all over India. Under P-PACK, Junior P-PACK is conducted for the students at Junior college, where students develop a real time package for a given product. It is an excellent platform for students to showcase their technical & non-technical skills and compete amongst the brightest minds and win a handsome amount of cash prizes.

PROFESSIONAL BODY ACTIVITIES

IMPRESSIONS

The National Symposium on various aspects of Printing and Packaging is organized by the Department of Printing and Packaging Technology in collaboration with SIES School of Packaging and ISTE during Impressions. IMPRESSIONS is the annual technical festival. Impressions consists of two major events PACKATHON and NATIONAL SYMPOSIUM. For the very first time in India, 'Packathon- A Packaging Marathon' with its tagline 'THINK, CREATE, MARKET' took place wherein participants created a suitable package for the given product. On the other hand, Symposium consisted of webinars and panel discussion based on this year's theme, 'The impact of covid-19 on printing and packaging industry and future'.


BIZENCE

Ideas are many but only the sustainable ones find their way in Bizence organised by the Entrepreneurship Development Cell of SIES Graduate School of Technology. It is a national level B-plan competition for budding entrepreneurs aiming to turn their ideas into businesses. Teams are challenged to conceive of a new service or product offering, then create a business plan and concept pitch aimed at convincing potential investors to finance the business. Well-known industry professionals and venture capitalists are invited as judges and panellists to groom our participants in the right direction.

PROFESSIONAL BODY ACTIVITIES

BYTECAMP

This year ByteCamp was conducted in collaboration with ISTE SIESGST and the theme was, "Cri-Sys" and can be categorized into different domains affecting people from all sections of society which includes Natural Crisis, Social Crisis, Technical Crisis, Industrial Crisis. This year more than 150 registrations were recieved out of which only 20 teams were shortlisted for mentoring sessions based on their abstracts. After the mentors helped all the participants to gain expertise, build and work on their hacks mentoring sessions, participants were supposed to submit their projects.
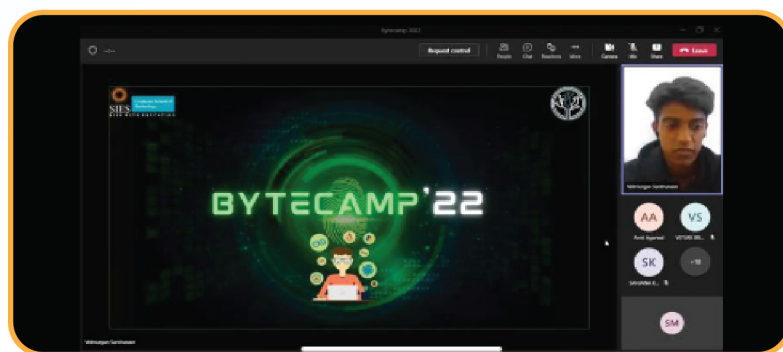
TURING CUP

The 5th iteration of Turing Cup was conducted on the platform of http://arena.siesgst.ac.in. Named after Alan Turing, the Turing Cup is CodeChef SIESGST's annual flagship competition. A total of 10 questions were set by the CP team of CodeChef Chapter of SIESGST. The questions covered various coding concepts like arrays, strings, algorithms etc.

PROFESSIONAL BODY ACTIVITIES

HACKTOBERFEST

DSC SIES GST in collaboration with Technical Team SIES GST and Codechef SIES GST Chapter conducted Hacktober fest on 3rd October. Hacktober fest is to promote Open Source among the students. Students were given exposure to Open Source with a hands-on session on Git and Github to give them a better understanding of the topic. The hacktober fest started with Codechef introducing Hacktoberfest, followed by DSC giving an intro on Open Source and a session on Open Source Projects by Google. This was followed by the Technical team's introduction to different domain technologies. Then Technical Team, DSC SIESGST and Codechef Arena took a Git and Github hands-on session where participants were divided into 3 equal groups, each taught by one of all the three teams. Various topics were covered like hosting your own website through GITHUB, branching and using OpenSource to interact with people.

INTERNXPO

This year the ISTE team of SIESGST held a virtual Internship Fair. The event consisted of 8 Companies: 20Cube Logistics, EntreSpace, EduVance, The Great Indian Derby, HaleAI, VirtuoSkill, Infigon Futures, AutoNxt Automation, 5 Alumni startups: Ahy Consulting, CreaTech, UNOTECH, Qrius Ventures, Athill Spaces Pvt. Ltd., who provided internships to all the applicants. The applicants explored their field of interest and applied for internships under the same. The entire process took place online. There were 181 pre-registrations and 246 applications in total for internships out of which 45 students have already got internships as of now.

Professional Body Activities

The Global Conference: SIES GST MUN 2022

SIES GST Model United Nations is a two-day international relations conference for college students held annually at SIES Graduate School of Technology,Nerul since 2015. This conference offers delegates the chance to discuss pressing global issues and challenges them to present their perspectives in a way which can be an asset for the world which further enables them to become the world leaders of the future.

BaatCheet
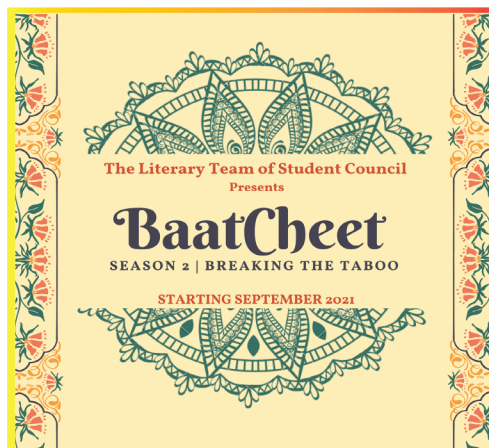
The Literary Team of SIES GST conducted the second edition of BaatCheet, an online interview series which included multiple speakers from various domains. The speakers of the event have been working in various organisations and contributing exemplary in uplifting our society. They shared their captivating journeys and enriching experiences with the GSTians in their 'baatcheet'.

Professional Body Activities

LFPA

Literary Festival of Performing Arts was a 3-day long Literary festival organised by The Literary Team of Student Council SIES GST. The series of beautiful poems were written and recited by our participants. Later a panel discussion where speakers shared their interesting and inspiring stories was organised. The celebration began with a Puppet show, showcasing the long-lost art of puppetry. We even had various band and dance performance. The evening was rightfully uplifted by a Qawwali performance by professional Sufi singers and Instrumentalists.

Open Mic 8.0

Open Mic is the signature event of the Cultural Team. Students showcased their talents like Dance, Music, Stand-up Comedy, Storytelling, Rapping, beatboxing, poem reciting etc. The event was held in the Amphitheatre with more than 25 performances and an audience who had a joyful time. Audience also enjoyed the vibe of the participants and started jamming and becoming a part of the performances in no time. The enchanting ambience and entertaining performances added up to a memorable evening.

CONVOCATION 2022

The annual graduation ceremony is a day devoted to celebrating an important point in students' lives; parents admire their children for reaching the finishing line of a long marathon. The convocation ceremony for the batch 2017-21 was held on 12th March 2022. The Chief Guest for the event was Dr. A.B Pandit ,Vice Chancellor at ICT Mumbai and Mrs. Jyoti Sawant, Project Manager at TCS Mumbai was the Guest of Honour for the ceremony. They guided students and shared their knowledge and experience through very inspirational speeches. The ceremony began with a speech by Principal Dr. Atul Kemkar and the chief guest and Guest of honour conferred degree certificates to the graduated students.

South Indian Education Society Family

SIES High School, Matunga.

SIES College of Arts, Science and Commerce, Sion(W).

SIES Institute of Comprehensive Education, Sion(W).

SIES Institute of Medical Laboratory Technology, Sion(W).

SIES College of Commerce and Economics, Sion(W).

SIES College of Management Studies, Nerul.

SIES College of Arts, Science and Commerce, Nerul.

SIES Indian Institute of Environment Management, Nerul.

SIES School of Packaging, Nerul.

SIES Graduate School of Technology, Nerul.

SIES College for Professional & Distance Education, Matunga

SIES Center of Excellence in Management Research and Development, Nerul.

SIES Senior Citizens Home, Nerul

SIES Veda Pathashala, Nerul.

SIES SHALL BE AMONGST
THE MOST ADMIRED
ACADEMIC INSTITUTIONS IN INDIA

WHAT DOES ADMIRATION MEAN?

★ A feeling of wonder, pleasure or approval.

★ The act of looking on or contemplating with pleasure

★ Approval, esteem, regard, affection, veneration, honor, idolization, reverence - synonyms for admiration

OUR ADMIRATION SHALL FLOW FROM

★ The quality of our efforts in the field of education

★ The quality – the reach, the expanse and sweep of our academic services

★ Our respect for 'Law' at all times

★ The creation of an SIES Family where a full family tree would have experienced SIES as students

THE IDENTITY FOR ANY SIES INSTITUTION

A distinct logo within the SIES logo

★

Capitation free Merit based student enrollment at all levels

★

Highest accreditation from a national agency

★

A value lab

An ISR Department

★

Research unit

★

An active forum for parents and teachers

★

a Past Student's Association within the institution without separate legal existence

IT'S HALF WAY THROUGH OUR CENTENARY IN 2032

2017 Phase 1

PHASE 1 - GOALS

• Student strength to reach over 50,000

• SIES – University for Higher education

• All institutions accredited at the highest grade 'A' for e.g. in NAAC

• Socially responsive education. Beyond the classrooms or social media. 'ISR' the dominant face of SIES. A good share of admiration from ISR.

• Most vibrant network of Alumni, Past Teachers and Staff, present human resources creating the vast SIES Family.

2025 Phase 2

PHASE 2 - GOALS
GOALS AND ACTION PLANS IN 2022

2032 SIES 100 years

WHAT DOES THAT CONVEY FOR SIES?

★ We shall confine ourselves to our core competence i.e. universalising education

★ The admiration shall come from all stakeholders – students, staff, society

★ We shall redefine the boundaries of our activities beyond Mumbai, Navi Mumbai to India

★ Our scale of admiration shall be based on the value addition we provide during the student days

★ We need not be 'BIG' but shall endeavour to be the 'BEST'

★ We shall ever remain 'student centric' for we have no existence without them

★ We shall be 'Admired' for our activities in life learning process through 'Education'

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