



IT NEWS LETTER

DEPARTMENT OF INFORMATION TECHNOLOGY

January – June 2021

Department of Information Technology came into inception in the year 2002 with an approved intake of 60 students. The department spreads over basement, first, second, third & fourth floor of the college campus which accommodates 3 class rooms and an equipped laboratory. The entire laboratory area is modularized into 5 software laboratories consisting of 158 computers with Internet connectivity, two hardware laboratory and 10 printers. All the labs and faculty rooms are air-conditioned with the UPS back up.

The programme of Bachelor of Engineering in Information Technology is being conducted in accordance to the course curriculum prescribed by University of Mumbai. We have an academically strong team of 11 faculty members and 4 non teaching staff in tandem with an equally well equipped library (both Institutional and departmental). Department has been NBA accredited from *2012-2014* and from *2021-2024*.

The college management has always encouraged the student fraternity by announcing scholarships and cash awards for meritorious students. They are also encouraged to join professional bodies for creating an awareness of the latest developments in their field of interest. The department has IETE Student Forum which started in 2008. Technical and Co curricular activities are being conducted under IETE on regular basis.

The department of Information Technology has been in the fore front in organizing cultural and technical events both at intra and inters collegiate levels. Shaping industry compliant engineers has always been the primary objective of the department and hence Industrial visits and Seminars by industry eminent personalities is treated as a part of curriculum.

Vision and Mission of IT Department

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 also encourage research culture.
- To extend industry and alumni association for knowledge enhancement.
- To nurture entrepreneurial talent and contribute towards socio-economic growth.

Editors
Prof. K. Lakshmi Sudha
Prof. Amit Pandhare



Program Educational Outcomes (PEOs)

Graduates will be able to:

- PEO1: Compete in professional career with social and ethical responsibilities.
PEO2: Pursue higher studies / research in Engineering and Management.
PEO3: Become Entrepreneurs or software professionals to satisfy the latest Industrial requirements.

Program Specific Outcomes (PSOs)

- PSO1: Students should be able to analyze, design and develop technological solution for a given scenario.
PSO2: Students should be able to involve themselves in life-long learning and cultivate skills for successful career, entrepreneurship and higher studies.

Department Activities

Department has organized various faculty development program and student development program during January 2021 to June 2021. Faculty of the IT department have conducted online lectures using teams and also used few simulation tools for conduction of practical sessions. Students are encouraging to publish their research work in reputed journals and to present in conferences.

Department Initiatives:

- All the faculties in the department must publish at least one research paper in a reputed journal.
- Two MOUs have to be signed for this an academic year.
- Student Internships should be increased by 10 % as compared to the previous Academic year.

Academic/ Technical achievements of students:

- ✓ Mr. Jaishankar of BE IT got placed in Japan Third Party Co.Ltd, Tokyo, Japan with 27 LPA salary.
- ✓ Ms. Nithya, Ms. Avantika and Mr. Rahul of BE IT won the best paper award under the track of Applications of AI and Machine

Learning in AICTE sponsored International E – Conference on Advances in Information Technology and Research – ICAITR 2021 organised by VIT, Mumbai, the paper titled “Generation of New Apparel Designs using StyleGAN2 ADA”, under guidance of Prof. Leena Ladge.

- ✓ Ms. Sara Nayak, Ms. Anushka Atul Patil, Ms. Reethika Renganathan have presented the paper entitled “Optimizing Network Intrusion Detection using Machine Learning” under the guidance of Dr.K.Lakshmisudha, at “The 2020 International Conference on Data Science (ICDATA 2020) held simultaneously with other Joint Conferences as part of the 2020 World Congress in Computer Science, Computer Engineering, and Applied Computing (CSCE 2020) at Luxor (MGM), Las Vegas, Nevada, USA (July 27 – 30, 2020)”. This paper will be published in a book entitled “Advances in Data Science and Information Engineering” by Springer Nature in 2021.
- ✓ Mr. Karayat Ritik Jeewan Singh of TE IT has won in Bugsquash Hackathon organized by the technical team, SIESGST on the problem statement for ' mask detection' from 22nd January 2021 to 25th January 2021.
- ✓ Mr. Aftaab Ahmed Sheikh and Mr. Barath Nadar of TE IT have received paid internship of Rs 5,000/- each with effective from Dec 23rd for a period of 3 months from Ridenet Technologies LLP, Mumbai.
- ✓ Mr. Krithik Pramod Suvarna (118A3058) of TE IT secured All India Rank 8 in GAIT India Open Test conducted by Japan Third Party Co. Ltd., selected student will get opportunity to work with them.
- ✓ Miss. Pooja Shetty(118A3055) and Miss. S Ananthaselvi Shankaran(118A3046) have won third prize in Anveshana Project Competition Finals held on 10th

March 2021 under Guidance of Prof Leena Ladge.

- ✓ Mr. Diwan Kadir Nuruddin (118A3014) of TE IT have Qualified in GATE 2021.
- ✓ Miss. Ria Sharma(117A3051), Miss. Riyancee Jain(117A3016) and Miss. Samruddha Shedge (218A3073) of BE IT have successfully completed the project on “HR Analytics using Machine Learning” under guidance of Prof. Samundiswary as a part of their internship from June to December 2020 for Black & Veatch Pvt. Ltd.
- ✓ Mr. Diwan Kadir Nuruddin (118A3014), Mr. Rajeev Bandi(118A3007), Miss. Arhah Upade (118A3060) of TE IT have built “ Cancer Prediction by Genome profiles - Deep learning model” to predict probability of occurrence of 33 different types of cancer using genome data integrated with webapp, Won First prize in Techxter 10.0 organized by Information Technology Department of SIESGST on 17th April 2021.
- ✓ Mr. Diwan Kadir Nuruddin (118A3014), Mr. Rajeev Bandi(118A3007), Miss. Arhah Upade (118A3060) of TE IT have built “Cancer Prediction by Genome profiles - Deep learning model to predict probability of occurrence of 33 different types of cancer using genome data integrated with webapp”, are titled as ‘Winner’ in INNOVATIONS 2021 (Software):A National Level Project Competition organized by Computer Engineering Department of SIES GST on 10th April 2021.
- ✓ Miss. Sneha Muruges(119A3048) of SEIT has completed Technical Support Fundamentals an online non-credit course authorized by Google and offered through Coursera on 28th March 2021, under guidance of Prof. Amit Pandhare.
- ✓ Miss. Vaishnavi Singanmalli (119A3063) of SEIT has built A face recognition application using Python on 24th April 2021, from Guvi Tech under the guidance of

Prof. Amit Pandhare.

- ✓ Ms Nithya (117A3035), Ms Avantika (117A3038) and Mr Rahul (117A3026) of BE IT received the best paper award under the track of Applications of AI and ML in AICTE Sponsored, International E-Conference on Advances In Information Technology & Research-Icaitr 2021 was organised by VIT, Mumbai. The paper titled “Generation of New Apparel Designs Using StyleGAN2 ADA”, was based on the final year project guided by Prof. Leena Ladge.
- ✓ Mr. Aftaab Ahmed Sheikh (118A3053) of TE IT has completed four-month internship at Ridenet as Jr. App developer and Digital marketer from December 22, 2020 to May 5, 2021.
- ✓ Ms. Aditi Sawant (118A3050) and Ms. Malvika Selvan (118A3052) of TE IT has completed 1 month internship on “Data Science and Business Analytics” at the Sparks Foundation in the month of May, 2021.
- ✓ Mr. Atreya Raorane (218A3072), Mr. Shreyas Shedge(117A3052), Mr. Pratik Wadkar (117A3062) of BE IT have presented a paper entitled “AI Driven Complaint Management System” in ICAST-2021: 4th International Conference on Advances in Science and Technology on 7th May 2021 at KJSIEIT, Sion under the guidance of Prof. Bushra Shaikh.
- ✓ Mr. Sujay Kadam(117A3019), Ms. Geeta Sheshapali (117A3049), Mr. Abhilash Nayak(117A3001) of BE IT have presented a paper entitled “Autonomous Drone for Social Distancing Surveillance” in 2021 2nd International Conference for Emerging Technology on 23rd May 2021 at Jain College of Engineering, Belagavi, India under the guidance of Prof. Bushra Shaikh.
- ✓ Miss. Nandhitha Iyer (117A3012) of BE IT has successfully completed all requirements & criteria for “Certified Blockchain

Developer” certification through examination & training administered by Blockchain Council under the guidance of Prof. Samundiswary.

- ✓ Mr. Diwan Kadir Nuruddin (118A3014), Mr. Rajeev Bandi(118A3007), Miss. ArhahUpade (118A3060) of TE IT have won Second Prize in IETE intercollegiate Project competition at IETE Pune Center on 20th June 2021 under the guidance of Prof. Leena Ladge.
- ✓ Mr. Sahil Raut (119A3046) of SE IT has successfully completed “Front End Web Development Ultimate Course 2021” in online mode.
- ✓ Miss. Sathiyaseelan Udaiyar (119A3053) of SE IT has successfully completed “Introduction to Amazon Elastic Computer Cloud (EC2)”.

Faculty achievements :

- Dr. K. Lakshmisudha has conducted Student Development Program on ‘Network Management and Security’ along with Industry Experts from June 23th to June 29th, 2021.
- Mrs. Lakshmisudha K, Ms. Stuti Ahuja, Ms. Bushra Shaikh have successfully completed of cost Rs. 30,000 /- on “Mobile App for Mutual funds” project using technologies like Flutter/Ionic, SQL Lite, Android Studio/Visual Studio etc. during the period of January 2021 to June 2021.
- Prof. Savita Lohiya has Conducted expert talk on “Product life cycle” for TE EXTC students of Datta Meghe College of Engineering, Airoli, on 27th April 2021.
- Ms. Stuti Ahuja published a paper entitled "Geospatial Object Detection for Scene Understanding using Remote Sensing Images", in 2nd International Conference on Image Processing and Capsule Network (ICIPCN 2021), Springer conference, on 27th May 2021.

- Prof. Bushra Shaikh as a Syllabus Setter have addressed the faculty members and briefed them about subjects of Rev-2019 ‘C’ scheme, “Operating System” and “Unix Lab” of Semester IV syllabus in Faculty orientation program organized by University of Mumbai on February 3, 2021.

Faculty Development Programs:

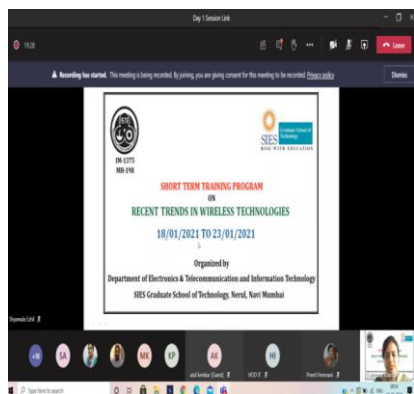
- ✓ Dr. K. Lakshmisudha, Prof. Leena Ladge, Prof. Savita L., Prof. Seema Redekar, Prof. Bushra S., Prof. Suneha Patil, Ptof. Priyanka Deshmukh have attended the FDP on " "Ethical Values in Professional Life" conducted by Mr. Rajshekhar Pullabhatla, Director, Information Sharing and Analysis Center, (ISAC) on May 26,2021. Organized by Humanities Department.
- ✓ Prof. Samundiswary S. has successfully completed 6 weeks online training on Programming with Python under Internshala Trainings as Faculty Development Program on 19 March 2021.
- ✓ Prof. Mrinal K., Prof. Seema Redekar. Prof. Samundiswary, Prof. Suneha Patil have attended the FDP on "Augmented reality: Applications and Development platforms" on Saturday, 29th May 2021 conducted by an expert Dr. Jonathan Joshi, C.E.O. at Eduvance organized by EXTC Department.

Seminars / workshops /STTP's organized by IT Department:

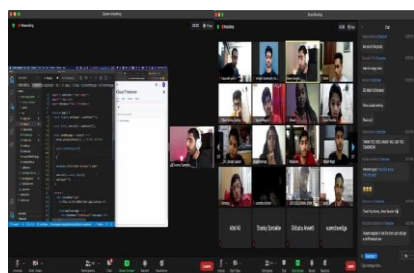
- ❖ IETE Students’ Forum and Entrepreneurship Development Cell of SIES GST in collaboration with the NGO Blue-Ribbon Movement organized “Ideation” on 30th December 2020.



- ❖ Department of Information Technology has organized ISTE approved STTP on “Recent Trends in Wireless Technologies” from 18th Jan 2021 to 23rd Jan 2021.

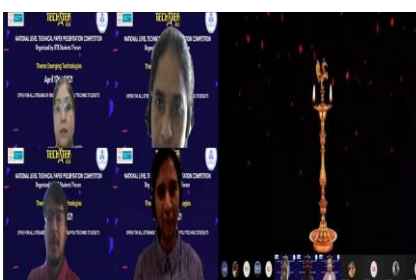


- ❖ On behalf of University of Mumbai, Department of Information Technology, SIES Graduate School of Technology, organized an Orientation Programme on the subjects of Rev-2019 ‘C’ scheme, “Computer Organization & Architecture” and “Microprocessor Lab” of Semester IV, on February 10, 2021.
- ❖ ISF of SIES Graduate School of Technology organized React JS Workshop for SIESGST Students (All Branches) under the guidance of Prof Leena Ladage, ISF Co-coordinator.



- ❖ Prof. Mrinal Khadse along with Prof. Seema Redekar and Prof. Bushra has organized ISTE approved STTP on “Recent Trends in Wireless Technologies” from 18th Jan 2021 to 23rd Jan 2021.
- ❖ Prof. Leena Ladage as a, Subject Chairperson have addressed the faculty members and briefed them about subjects of Rev-2019 ‘C’ scheme, “Computer Organization & Architecture” and “Microprocessor Lab” of Semester IV syllabus on February 10, 2021.

- ❖ Prof. Savita Lohiya and Prof. Suneha Patil have coordinated for faculty orientation program for the subjects of “Computer Organization & Architecture” and “Microprocessor Lab” of Rev-2019 ‘C’ scheme Semester IV syllabus on February 10, 2021.
- ❖ SE IT and TE IT students have attended Expert Talk on “Web development using Django” by Mr. Shrinivas Shah, B&B analytics, Mumbai on 28th February 2021 under guidance of Prof. Samundiswary.
- ❖ Mr. Yash Kokane, of 2020 pass out batch of SIES GST-IT department, currently working in Capgemini conducted an Expert Talk on “Introduction to SAP” for BEIT students on 10th April 2021 organized by Prof. Leena Ladage.
- ❖ BE IT students have attended Expert Talk on “Introduction to SAP” by Mr. Yash Kokane, from Capgemini Conducted on 10th April 2021, organized by Prof. Leena Ladage.
- ❖ Techxter 10.0, a National Level Technical Paper Presentation, was organized by the IETE Students’ Forum of SIES GST on April 17, 2021. This year, Techxter had its 10th iteration, and had adopted the theme “Emerging Technologies”.



- ❖ BE IT and TE IT students have attended Expert Talk on “Cloud Native applications” by Mr. Omkar Palekar, Senior Developer, Tech Mahindra, on 30th April 2021,

organized by Prof. Mrinal Khadse and Prof. Bushra Shaikh.

- ❖ BE IT students have attended Expert Talk on “Big Data Analytics using Machine Learning” by Mr. Praveen Khandare, Salesforce Developer, Bitmatic systems, Pune, on 30th April 2021 Organized by Prof. Amit Pandhare.
- ❖ TE IT students have attended Expert Talk on “API Testing” by Mr. Sumit Kolte, Automation consultant at Momentum metropolitan holdings, Alumni 2015 batch, on 1st May 2021 under guidance of Prof. Savita Lohiya.
- ❖ The IETE Students’ Forum and the Department of Information Technology conducted Poster Competition Projexion was held on 17th May 2021 .
- ❖ IETE conducted a workshop on ‘Git-hub -explaining the importance and encouraging students to use open-source software’ on 22nd June 2021.

Student Development Programs:

- IT Department has organized Student Development Program on ‘Network Management and Security’ from June 23 to June 29, 2021. This SDP was conducted by Internal Expert: Dr. K. Lakshmi Sudha, Associate Professor HOD, IT Department and External Industry Experts from Networking and Security Domain: Dr. Dipanjan Biswas- Certified Trainer (CCNA, CCNP and CCIE), NOKIA, WAN Optimization and Design Architect and Mr. Sandesh Gupta- Forensic Consultant, Lab Systems Pvt Ltd. This Student Development Program was Coordinated by Prof. Bushra Shaikh. Participant students from all the branches were benefitted with knowledge of designing a secured Enterprise Network and developing effective assessment methodologies in Digital Forensics.

Seminars /workshops/Faculty Development Program attended by IT Department Faculty :

- ✚ Dr. K. Lakshmi Sudha, Prof. Leena Ladge, Prof. Mrinal K, Prof. Savita L, Prof. Seema Redekar, Prof. Stuti A, Prof. Bushra S., Prof. Amit Pandhare, Prof. Samundiswary have attended the ISTE approved STTP on “Recent Trends in Wireless Technologies” Organized by IT and EXTC department SIESGST from 18th Jan 2021 to 23rd Jan 2021.
- ✚ Prof. Mrinal Khadse has attended TEQIP III sponsored one-week STTP on “Artificial Intelligence and Machine Learning” from 11th to 16th January 2021 Organized by Government Engineering college, Banswara.
- ✚ Prof. Stuti Ahuja has completed STTP on "Artificial Intelligence in Geospatial Technology for Sustainable Development" , Amity University, Mumbai, from 11- 15 Jan, 2021.
- ✚ Prof. Stuti Ahuja has completed 6 weeks Internshala Training on " Data Science" on 7 Jan, 2021
- ✚ Prof. Suneha Patil has attended the ISTE approved STTP on “Blockchain Technology” Organized by Computer department SIESGST from 4th Jan 2021 to 9th Jan 2021.
- ✚ Prof. Samundiswary has attended the STTP on “Leveraging

Artificial Intelligence and Data Analytics” organized by K. J. Somaiya institute of technology, Vidyavihar from 4th Jan 2021 to 9th Jan 2021.

- ✚ Dr. K. Lakshmi sudha, Prof. Seema Redekar , Prof. Stuti Ahuja , Prof. Amit Pandhare, Prof. Bushra S, Prof. Samundiswary have attended a Webinar on “ From your Ph.D/ Masters Thesis to a start-up” on April 23, 2021 organised by MIC.
- ✚ Dr. K. Lakshmi sudha has attended webinar on “ Filling ITR” on April 24, 2021, organized by SIES CTD & SIESCOMS.
- ✚ Prof. Savita Lohiya have attended webinar on “Why IP is important in academia” organized by MIC on 26th April 2021.
- ✚ Prof. Leena Ladge has participated in the industry sponsored tutorial on ‘ Foundations of reliable embedded systems’ during the ‘ 4th year IEEE International Conference on Communication Information and Computing Technology (ICCICT-2021) organized by Saradar Patel Institute of Technology, Mumbai on 25th June 2021.
- ✚ Prof. Leena Ladge participated in poster presentation in Research Colloquium of ICCICT 2021 organised by SPIT, Andheri(W), Mumbai on June 26, 2021.
- ✚ Prof. Leena Ladge, Prof. Savita L., Prof. Seema Redekar, Prof. Bushra S. and Prof. Priyanka Deshmukh have attended ‘Academic Refresher

with GST & SOP’ on 28th June 2021 at SIESGST.

- ✚ Prof. Savita Lohiya have attended the FDP on "Research Trends in IT" conducted by Datta Meghe College of Engineering, Airoli from 23rd to 25th June 2021.
- ✚ Prof. Savita Lohiya have published paper title Parkinson's Disease detection using deep neural network in IJREAM journal
- ✚ Prof. Savita Lohiya has attended orientation program on TE IT Rev. 19 Syllabus Software Engineering on 26th May 2021 organized by Pillai Institute of Technology, Panvel.
- ✚ Prof. Mrinal Khadse has attended orientation program on TE IT Rev. 19 Syllabus ‘Computer Network Security and Security Lab’ organized by Shah & Anchor Kutchhi Engineering College, Mumbai on June 21, 2021.
- ✚ Prof. Stuti Ahuja has attended orientation program on TE IT Rev. 19 Syllabus "Advanced Data Structure and Analysis" organized by FCRIT, Vashi on June 28, 2021

Quote from the Editor’s Desk:

“Education is what remains after one has forgotten what one has learned in school.” – Albert Einstein