



SARASWATI Education Society's
SARASWATI Institute of Technology
Kharghar, Navi Mumbai - 410210

SARASWATI Institute of Technology

Information Technology Department Newsletter 2025-2026



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MAHARASHTRA STATE BOARD
OF TECHNICAL EDUCATION

FACULTY PROFILE



Mrs. Jyoti Shinde
Head Of Department



Mrs. Samika Patil
Lecturer



Mrs. Nutan Purkar
Lecturer



Ms. Mayuri Kushwaha
Lecturer



Ms. Vedantika Patil
Lecturer

FACULTY PROFILE



Mr. Vivek Bhou Chandekar
Lecturer



Ms. Darshana Sadafule
Lecturer



Ms. Shubhangi Vanve
Lecturer



Ms. Dipali Patil
lecturer



Mr. Raj Sinha
Lecturer



Mr. Dishant Mhatre
Lab Asst.



Ms. Sanjali Gaykar
Lab Asst.



Ms. Neelam Ghaghre
Lab Attendee



Mr. Vinod Yadav
Lab Asst.

IFSA

(Information Technology
Student Association)



Anushka Surve
President



Pranit Kadam
Vice-President



Harshad Satre
Cultural Head



Rajivni Patil
CO-Cultural Head



Shravani Thorat
Cultural Asst.



Sanskruti Bote
Cultural Asst.



Shreya Lad
Cultural Asst.



Piyush Dhavle
Technical Head



Daksh Khandekar
Technical Asst



Sanskruti Bhosle
Technical Asst

IFSA

(Information Technology
Student Association)



Sarthak Bhare
Media Head



Harshad Gadge
Media Asst.



Ridhi Bhalekar
Media Asst.



Dishant Mhatre
Treasurer



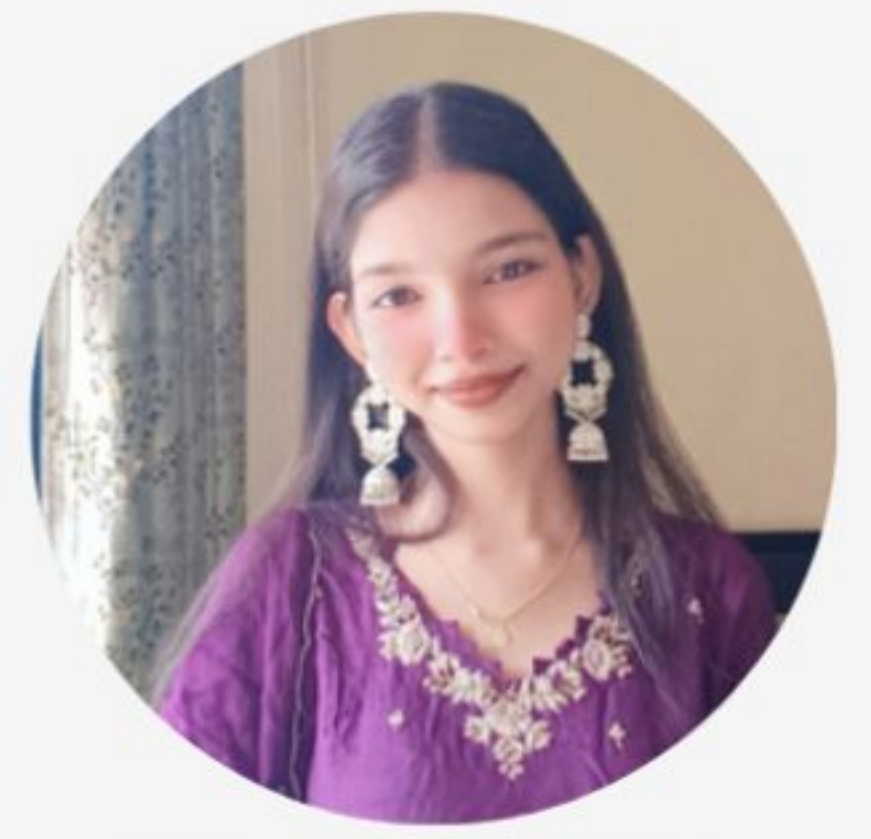
Ojas Salunkhe
Treasurer



Mrunali Patil
Ladies Representative



Sanskruti Dhone
LR Asst



Divya Kamble
LR Asst



Saksham Kadu
photography Head



Arush Khandagle
Photography Asst



Sanved Patil
Hospitality Head



Aryan Misal
Hospitality Asst



Samiksha Raut
Hospitality Asst



Sanyukta patil
Hospitallity Asst



Divya Mhatre
Sports Head



Atharva Karanjkar
Sports Asst



Vaishnavi Thakur
Sports Asst

VISSION AND MISSION



To Visualize the creation of skilled, proficient IT professional to meet current challenges



To encourage young minds for trainings & entrepreneurship. To convey standard education with rapidly changing environment with ethical values. To provide an environment where students can continuously learn, apply & communicate knowledge.

BLOCKCHAIN TECHNOLOGY IN EDUCATION SECTOR

Blockchain technology presents various advantages and uses within the education sector. A primary benefit is its capacity to offer a secure and transparent method for storing and validating academic credentials. By utilizing blockchain, educational institutions can generate immutable records of student accomplishments, certificates, and degrees. This improves the reliability of educational qualifications while also streamlining the verification process, saving time and resources for both students and employers.

Additionally, blockchain has the potential to transform how educational content is provided and accessed. Smart contracts can automate functions like course registration, payment processing, and the issuance of certifications. This can simplify administrative procedures and minimize the chances of fraud or mistakes in academic transactions.



Mrs. Jyoti Shinde

Another promising use of blockchain in education is the creation of decentralized learning platforms. With blockchain, educators can build peer-to-peer networks where students can access resources, collaborate on assignments, and earn tokens or incentives for their involvement. This decentralized model fosters inclusivity, transparency, and innovation within the educational experience.

With regard to security, efficiency, and access, blockchain technology will transform the education sector, thereby helping education institutions remain pioneers in innovation as well as creating a more trust-worthy and exciting experience for learning by students from around the globe.

Data Warehouse: An Overview

A data warehouse is a centralized repository designed to store, manage, and analyze large volumes of data to support effective decision-making within an organization. It plays a critical role in business intelligence (BI) by enabling organizations to transform raw data into meaningful insights.

Organizations collect data from a wide variety of sources on a regular basis. These sources include transactional systems, relational databases, operational applications such as sales, marketing, and finance systems, customer-facing applications, and even external partner systems. A data warehouse integrates data from all these heterogeneous sources into a unified and consistent format.

Unlike transactional systems that are optimized for day-to-day operations, data warehouses are specifically designed for querying, reporting, and analysis. They typically store large amounts of historical data, allowing organizations to analyze trends over time, identify patterns, and make data-driven strategic decisions. The data is periodically extracted, transformed, and loaded (ETL) into the warehouse to ensure accuracy, consistency, and reliability.



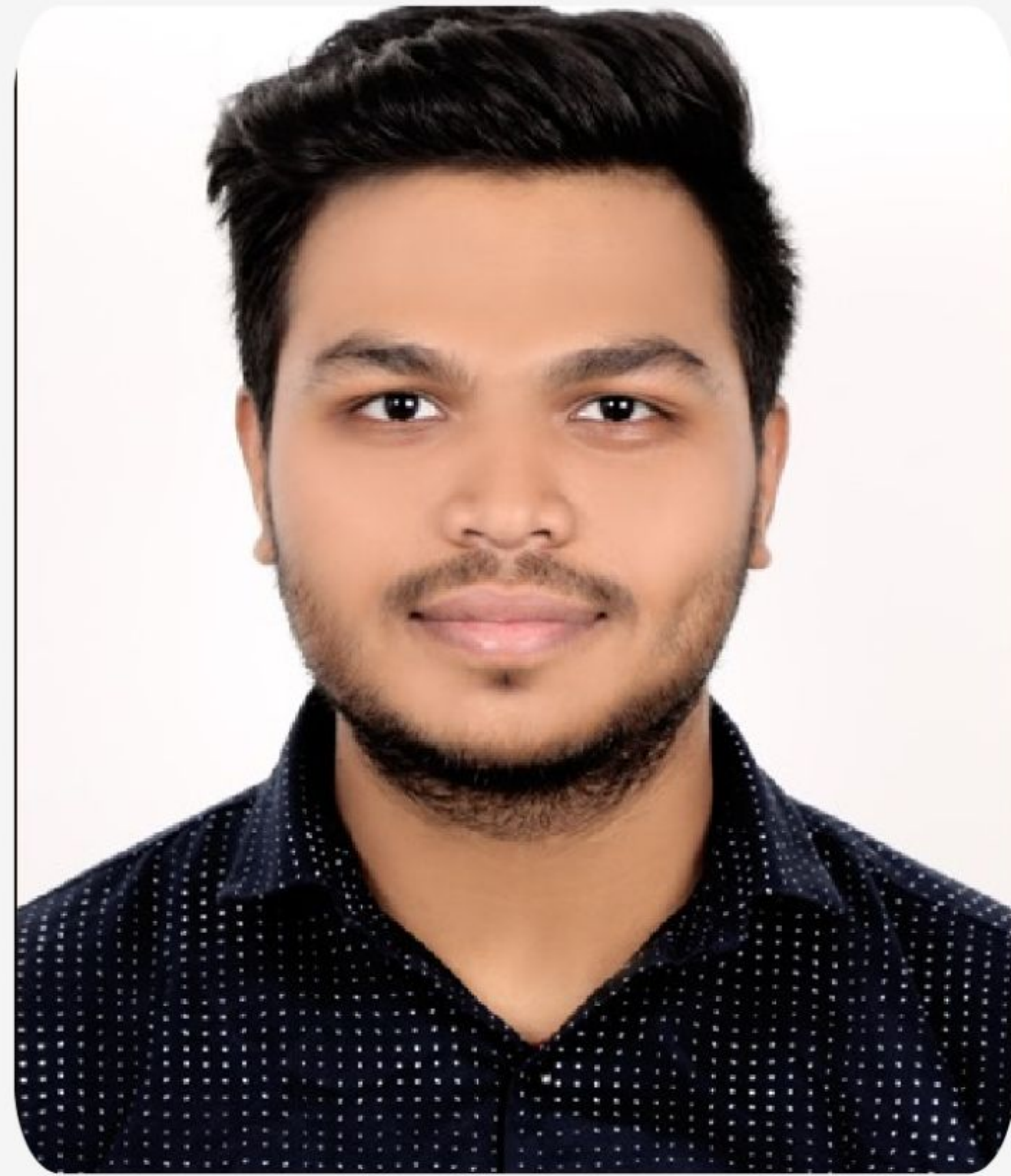
Mr. Vivek Chandekar

In essence, a data warehouse serves as a comprehensive collection of both current and historical organizational data. By providing a single, trusted source of information, it enhances organizational performance and supports managers, analysts, and decision-makers in gaining valuable insights, forecasting outcomes, and improving overall business efficiency.

How Neural Networks Learned to Understand Language

The field of Natural Language Processing has undergone a remarkable transformation in recent years, fundamentally changing how machines understand and generate human language. At the heart of this revolution lies a powerful architecture called the transformer, which has become the foundation for the most advanced language models we use today

Before transformers emerged in 2017, NLP systems struggled with understanding context in longer texts. Traditional models processed words sequentially, making it difficult to capture relationships between distant words in a sentence. The transformer architecture changed everything by introducing a mechanism called "attention," which allows the model to weigh the importance of different words relative to each other, regardless of their position in the text.



Mr. Raj Sinha

The distinction between BERT and GPT represents more than just different training methods—it reflects different ways of thinking about language understanding versus language generation. BERT's bidirectional nature makes it a superior "reader" that deeply comprehends text, while GPT's sequential approach makes it an accomplished "writer" that can produce fluent, contextually appropriate language.

While most third-year students are fueled by caffeine and deadline-induced panic, Rajivani Patil moves to a steadier rhythm. The current department topper in Information Technology, she is far more than someone who is merely “good at computers.”

Rajivani believes true excellence lies in understanding logic rather than memorizing syntax, viewing coding as a language that expresses how a system thinks.



She approaches the notoriously demanding third year—marked by subjects like Operating Systems, Networking, and Database Management—not as a burden, but as a foundation, tackling complex problems early when her mind is sharp and reinforcing her learning through collaboration. Despite her academic standing, she values peer learning, convinced that teaching others is the true test of understanding. Her advice to aspiring coders reflects this balanced mindset: remain consistent rather than cramming, build real projects instead of relying solely on textbooks, and step away from the screen when needed, proving that a well-rounded life fosters a sharper, more focused mind.

Vaishnavi shows great interest in her academic subjects and consistently puts in effort to understand concepts deeply rather than studying only for examinations. Her punctuality, regular attendance, and timely submission of assignments reflect her strong sense of responsibility. Vaishnavi actively participates in classroom activities and is always willing to learn new skills related to information technology.



Along with being academically focused, Vaishnavi is also an enthusiastic sportsperson. She actively participates in sports activities and believes in maintaining a healthy balance between physical fitness and studies. Her involvement in sports has helped her develop qualities such as teamwork, leadership, time management, and perseverance.

By excelling in both academics and sports, Vaishnavi Thakur proves that dedication and discipline lead to all-round development. She is truly a valuable student of the Information Technology department and a proud representative of SIOT College.

EVENTS

TEACHERS DAY CELEBRATION

05/09/2025



The Department of Information Technology at Saraswati Institute of Technology (SIOT) celebrated Teacher's Day on 5th September with great enthusiasm and respect to honor the invaluable contribution of faculty members in shaping students' academic and personal growth. The event was organized by the students of the IT department as a mark of gratitude towards their mentors, who play a vital role in guiding them toward excellence in the field of technology and innovation.

The celebration featured heartfelt speeches, interactive activities, and cultural performances by students, creating a warm and joyful atmosphere.

Students expressed their appreciation by sharing experiences and acknowledging the continuous support, encouragement, and inspiration provided by the teachers. The faculty members, in turn, motivated students with their insightful words and shared thoughts on the importance of discipline, ethics, and lifelong learning.

EVENTS

AR - VR EXPERT LECTURE

08/09/2025



The Department of Information Technology organized an insightful guest lecture on “AR, VR, Metaverse & IoT” on 8th September 2025 at Saraswati Institute of Technology. The session was conducted by Mr. Rahul Gupta from 10:30 a.m. to 12:00 p.m. and was attended by Second Year and Third Year IT students. The lecture aimed to enhance students’ understanding of augmented and virtual reality concepts aligned with their academic curriculum.

During the interactive session, Mr. Rahul Gupta shared practical knowledge and real-world perspectives on emerging immersive technologies, including AR, VR, the Metaverse, and IoT. Students actively participated in discussions, making the session engaging and informative. The lecture was highly appreciated, with many students expressing interest in similar future sessions. Overall, 150 students and 4 faculty members benefited from this enriching academic initiative.

Events

OOP EXPERT LECTURE

08/09/2025



The Department of Information Technology organized a guest lecture on “Object Oriented Programming using C++” on 8th September 2025 at Saraswati Institute of Technology. The session was conducted by Mr. Raj Sinha from 9:00 a.m. to 10:30 a.m. and was exclusively attended by Second Year Information Technology students. The lecture was designed to strengthen students’ understanding of core Object-Oriented Programming concepts as part of their academic curriculum.

During the session, Mr. Raj Sinha shared valuable insights into C++ programming and explained key OOP principles through interactive discussions. Students actively engaged in the lecture, gaining clarity on practical implementation and programming logic. The session was well received, with participants requesting more such knowledge-enhancing lectures in the future. Overall, 100 students and 2 faculty members benefited from this informative and enriching academic initiative.



EVENTS

BGMI TECHNICAL EVENT

15/09/2025

WINNERS



The BGMI Technical Event, conducted on 15th September 2025, was a unique initiative that blended competitive gaming with strategic and technical thinking. The event was organized to encourage students to explore skills such as teamwork, coordination, quick decision-making, and analytical planning in a dynamic and engaging environment. Enthusiastic participation from students created an energetic atmosphere, transforming the campus into a hub of excitement and competitive spirit.

Participants competed in well-structured matches that required not only gaming skills but also effective communication and tactical execution. Teams demonstrated strong collaboration, adaptability, and leadership while responding to real-time challenges during gameplay. The event emphasized discipline, focus, and problem-solving abilities, drawing a parallel between virtual strategy and real-world technical applications.

Beyond entertainment, the BGMI Technical Event served as a platform for student interaction, stress relief, and skill development outside traditional academics. It successfully promoted healthy competition while strengthening peer bonding and confidence among participants.

EVENTS

WOMEN GRIEVANCE

08/10/2025



Day 1 of the TechBridge FDP, themed “Introduction to Emerging Technologies,” set a strong foundation for the week-long programme. The day began with the registration and an inaugural ceremony, followed by a warm welcome address delivered by the organizing committee. The highlight of the morning session was the insightful keynote address by Mr. Rahul Gupta, who spoke on “Current Trends in Information Technology” and provided participants with a clear understanding of how core technologies are shaping the future of the industry. The session also included an overview of essential technological domains and their real-world industrial applications.

In the afternoon, participants engaged in an interactive session focused on “Setting Up the Development Environment,” where they learned the importance of preparing technical tools for effective development workflows. This was followed by a hands-on workshop on basic programming fundamentals, enabling attendees to strengthen their foundational coding skills through practical exercises. The first day concluded with an enthusiastic response from participants, setting an energetic tone for the rest of the FDP.

EVENTS

GUEST LECTURE

22/09/2025

In today's rapidly evolving engineering landscape, technical expertise alone is not sufficient to achieve success. Recognizing the importance of innovation combined with emotional intelligence, Saraswati Institute of Technology continues to organize knowledge-enriching sessions that prepare students for real-world challenges and professional growth.



Saraswati Institute of Technology organized an enlightening guest lecture on "Engineering Inventions and Emotional Intelligence" on 22nd September 2025, held from 10:15 A.M. to 12:15 P.M. The session was conducted by Mr. Raghvan Koli and was attended by Second Year students and Third Year IT students. The lecture aimed to broaden students' understanding of the role of emotional intelligence alongside technical innovation in modern engineering practices.

During the session, Mr. Raghvan Koli shared valuable insights into industry-oriented schemes and their practical implementation. Through interactive discussions, students gained clarity on how emotional intelligence contributes to effective decision-making, leadership, and innovation in engineering fields. The lecture was well appreciated by the participants, who expressed interest in more such knowledge-enriching sessions in the future. The institute sincerely thanks Mr. Raghvan Koli for sharing his expertise and dedicating his valuable time to inspire students.

EVENTS

POSTER MAKING COMPETITION PARTICIPATION

25/09/2025



The department proudly highlights the enthusiastic participation of its Information Technology students in the Poster Making Competition, where they actively engaged in expressing ideas through creative and meaningful designs. The students demonstrated strong conceptual clarity, originality, and visual communication skills while presenting posters that reflected both technical understanding and creative thinking.

Through this competition, students gained valuable exposure to design presentation, critical thinking, and effective communication. Their participation encouraged confidence, creativity, and teamwork, reinforcing the importance of co-curricular activities in overall student development.



The event provided a constructive platform for students to explore their talents and represent the department with dedication and enthusiasm. The Poster Making Competition also encouraged students to think creatively while working within given themes and time limits. It provided an opportunity for them to enhance their artistic expression, idea presentation, and attention to detail. Such participative events play a vital role in building confidence, encouraging innovation, and fostering a culture of active learning within the department.



EVENTS

DTM EXPERT LECTURE

08/10/2025

In order to strengthen students' conceptual foundations and enhance their technical knowledge, the Department of Information Technology consistently organizes expert lectures by experienced academicians and industry professionals.

The Department of Information Technology organized an informative expert lecture on "Digital Techniques and Microprocessor (DTM)" on 6th October 2025 at Saraswati Institute of Technology. The session was conducted by Mrs. Aruna Divekar, Assistant Professor, DMCE, from 01:00 p.m. to 02:30 p.m., and was attended by Second Year Information Technology students. The primary objective of the lecture was to strengthen students' understanding of fundamental concepts related to digital techniques and microprocessors as part of their academic curriculum.

During the session, Mrs. Aruna Divekar shared her valuable insights into microprocessor architecture, digital logic design, and their practical applications. The lecture was highly interactive, encouraging active student participation and discussion. The session was well appreciated by the students, who expressed interest in attending more such knowledge-enriching lectures in the future. Overall, 100 students and 2 faculty members from the Information Technology Department benefited from this educational initiative. The department expresses sincere gratitude to Mrs. Aruna Divekar for dedicating her time and expertise to guide and inspire the students.



EVENTS

ML & LLM EXPERT LECTURE

18/12/2025



The Department of Information Technology organized an expert lecture on Machine Learning (ML), Large Language Models (LLMs), and DevOps on 18th December 2025 from 12:00 PM to 2:00 PM at Saraswati Institute of Technology (Room No. 204). The session was conducted by Mr. Prashant Kamble and was attended by Second Year Information Technology students (SY IF). The objective of the lecture was to introduce students to emerging technologies and provide insights into modern software development and deployment practices.

During the lecture, Mr. Kamble explained the fundamentals of Machine Learning, real-world applications of Large Language Models, and the role of DevOps in automating and streamlining the software development lifecycle. The session helped students understand how theoretical concepts are applied in real-world industry scenarios and highlighted current industry expectations. The lecture proved to be highly informative and beneficial, enhancing students' technical awareness and professional readiness. Overall, 100 students and 2 faculty members from the Information Technology Department benefited from this knowledge-enriching session.



EVENTS

INDUSTRIAL VISIT

RYAN INCUBATION CENTRE

24/12/2025



An industrial visit to the Ryan Incubation Centre, Kharghar, was organized for Second Year Information Technology (SY IF) students on 24th December 2025, from 12:15 PM to 3:15 PM. The primary objective of this visit was to provide students with practical exposure to the industrial environment, startup culture, and real-world applications of technology. During the visit, students were introduced to the concept and functioning of incubation centres and their significant role in promoting innovation and entrepreneurship, particularly in the fields of Information Technology, Artificial Intelligence, and Data Science.

The officials explained how innovative ideas are nurtured and transformed into successful startups through proper guidance, mentorship, and resource support. Students also gained insights into the challenges faced by startups and the role of incubation centres in overcoming these challenges through collaboration and expert assistance.

The visit included a guided tour of the incubation centre, where students observed working spaces, discussion rooms, and collaborative environments used by startup teams. An interactive session encouraged students to ask questions related to career opportunities, required technical skills, entrepreneurship, and emerging trends in the IT industry. Overall, the industrial visit proved to be highly informative and inspiring, enhancing students' understanding of innovation, industry practices, and entrepreneurial thinking.

EVENTS

PRIZE DISTRIBUTION OF TOPPERS

14/01/2026



The Information Technology Department organized a Prize Distribution Ceremony to honor the academic excellence of Second Year and Third Year students who secured top positions in the 3rd and 6th Semester examinations. The ceremony was conducted to recognize the dedication, consistency, and outstanding performance of the students who excelled in their academics through hard work and perseverance.

The toppers were felicitated with prizes and certificates as a mark of appreciation for their achievements. This recognition not only celebrated their academic success but also motivated fellow students to strive for excellence. The event highlighted the department's commitment to encouraging academic brilliance and fostering a culture of discipline, determination, and continuous learning among students.

EVENTS

MENTOR MENTEE MEETING



The Information Technology Department regularly organizes Mentor–Mentee Meetings to strengthen the academic and personal development of students. These meetings provide a supportive platform where mentors guide students on academic progress, professional goals, and overall growth. The initiative reflects the department’s commitment to nurturing students through continuous guidance and encouragement.

During the mentor–mentee interactions, students openly discussed their academic performance, challenges faced in studies, and future aspirations. Mentors offered valuable advice on time management, skill development, career planning, and the importance of maintaining a balanced approach toward academics and co-curricular activities. The sessions helped students gain clarity, confidence, and motivation to improve their performance.

EVENTS

INTRALEVEL COLLEGE COMPETITION



THE PRAJATANTRA INTRALEVEL COLLEGE COMPETITION WAS SUCCESSFULLY ORGANIZED AT SIOT COLLEGE WITH THE AIM OF SPREADING AWARENESS ABOUT DEMOCRACY AND ENCOURAGING STUDENTS TO ACTIVELY PARTICIPATE IN DEMOCRATIC VALUES. THE COMPETITION PROVIDED A PLATFORM FOR STUDENTS TO EXPRESS THEIR THOUGHTS, IDEAS, AND CREATIVITY ON THE IMPORTANCE OF PRAJATANTRA (DEMOCRACY).



SARASWATI Education Society's
SARASWATI Institute of Technology

Learn LIVE ACHIEVE AND CONTRIBUTE

Kharghar, Navi Mumbai - 410 210.

Department Of Information Technology

Third Year Toppers **BATCH 2025 - 26**



EISHA JADHAV

95.65%



RAJIVANI PATIL

95.53%



VEDANT JADHAV

95.29%

HEARTY CONGRATULATIONS !!



SARASWATI Education Society's
SARASWATI Institute of Technology

LEARN LIVE ACHIEVE AND CONTRIBUTE

Kharghar, Navi Mumbai - 410 210.

Department Of Information Technology 3rd Semester

Second Year Toppers

BATCH 2025 - 26

A Div



AISHA GAWAND

87.18%



MRUNALI PATIL

86.71%



VEDIKA AMBRE

86.59%

HEARTY CONGRATULATIONS !!



SARASWATI Education Society's
SARASWATI Institute of Technology

LEARN LIVE ACHIEVE AND CONTRIBUTE

Kharghar, Navi Mumbai - 410 210.

Department Of Information Technology 3rd Semester

Second Year Toppers **BATCH 2025 - 26** B Div



ADITI MHATRE

85.41%



SADHVI THAKUR

83.29%



VIPRA BHOIR

81.88%

HEARTY CONGRATULATIONS !!

STUDENT ACHIEVEMENT



Saraswati College student Lavanya Mhatre from TYIF has been certified as the winner in the 100M, 200M, and high jump events.

STUDENT ACHIEVEMENT



Saraswati College student Yash Salvi from FYIF has been certified as the winner in the 1500M, 800M running events.



Information Technology Department

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