SAL

SAL COLLEGE OF ENGINEERING

STUDENT INDUCTION REPORT

Academic Year 2025-2026

1st Year

Engineering shapes the future

Introduction

SAL College of Engineering organizes an induction program for the fresh candidates of First Year Students in line with the AICTE requirements under the leadership of Dr. Vaishali Bhavsar, Principal (In-charge) and Head, Applied Science and Humanities Department, SAL College of Engineering. The SAL College of Engineering is a prestigious educational institution located in Ahmedabad, Gujarat, India. Established with the aim of providing high-quality technical education and fostering research and innovation, and is affiliated with Gujarat Technological University (GTU) and approved by the All-India Council for Technical Education (AICTE). College offers a variety of undergraduate and postgraduate programs in engineering and technology. These programs are designed to provide students with a strong theoretical foundation as well as practical skills in their chosen fields. College has wide infrastructure, including well-equipped laboratories, modern classrooms, a comprehensive library, and advanced computing facilities. The campus environment is conducive to learning and innovation. Beyond academics, college focuses on the holistic development of students by providing opportunities for participation in extracurricular activities, sports, and cultural events. Various clubs and societies are active on campus, promoting a vibrant student life.

Objective of the Program

Transition from school to college life is one of the most challenging events in a students' life. When students enter an institution, they come with diverse thoughts, backgrounds and preparations. They come into a new unfamiliar environment, and many of them have little knowledge of about the institution. Student Induction program is designed to welcome new students to Higher Education and prepare them for their new role.

- To Familiarize the new student with the various branches, methods of study, various facilities, the academic and administrative set up in the Institute.
- To generate favorable attitudes towards peers, senior students, teaching and non-teaching staff in the Institution.
- To inculcate value systems, ethics and leadership qualities among

students.

- To inculcate effective communication skills, team work skills, multi-disciplinary approach, and develop a desire to apply knowledge of engineering for the real-life problems.
- To help new students adjust and feel comfortable in the new environment and help them to build bonds with other students and faculty members.

In order to inculcate the above objectives, the following major activities were planned under the induction program for the students which helped them remain fully engaged throughout the day for their overall development. These included: **Expert Sessions**, where experienced speakers and professionals from various fields shared their knowledge and guided the students on academic as well as personal growth; an **Industrial/Institutional Visit**, which provided students with practical exposure and helped them connect their classroom learning with real-life applications; and **Fun Activities**, organized to build interaction, encourage teamwork, and create a friendly learning environment among the students. These activities together made the induction program meaningful, interactive, and motivating for the new students.

A total of **200** students participated in this program which was conducted from 21-7-2025 & then it was continue through regular semester. Faculty and student mentors from across programs worked extensively to ensure that the induction was well organized. The following report includes the schedule and brief notes on the various events conducted as part of the induction program.

Overview of Program: -

The whole students are divided into multiple batches so that smooth conduction of program can be achieved and maximum students get benefit of induction program.

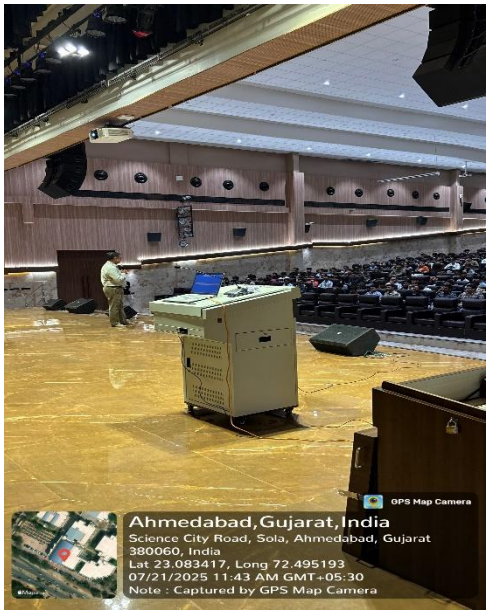
Educational Talk : Road Safety
No. of Session : 01
Talk Conducted by : Mr. Amit Khatri

The talk titled *"Road Safety"* was conducted by Mr. Amit Khatri, a renowned international road safety expert. With an unwavering commitment to saving lives and promoting safe road practices, Mr. Khatri has delivered over 4000 sessions and 300 webinars, impacting more than 15 lakh individuals across India and abroad. His outstanding contributions to the field have earned him recognition at city, district, state, national, and international levels, including the prestigious "Good Samaritan Award" conferred by the Ministry of Road Transport and Highways. Currently, he serves as a Subject Expert at the Gujarat Road Safety Authority and as an Adjunct Faculty Member at Rashtriya Raksha University.

Mr. Khatri was graciously welcomed by Principal Dr. Hitesh Vandra and In-charge Principal Dr. Ajay Upadhyay prior to the commencement of the session. As part of the student induction program, this awareness session aimed to sensitize students to the importance of safe, alert, and responsible behaviour on roads

Mr. Amit Khatri felicitated by Dr. Hitesh Vandra and Dr. Ajay Upadhya

The speaker effectively highlighted the alarming rise in road accidents and emphasized how simple actions—such as wearing helmets, fastening seat belts, avoiding mobile phone use while driving, and obeying traffic rules—can significantly reduce risks. Attention was also drawn to legal and regulatory responsibilities, including the importance of possessing a valid driving license, keeping vehicles up to date with Pollution Under Control (PUC) certification, and ensuring proper insurance coverage. Their approach helped students not only understand the technical aspects of traffic regulations but also appreciate the real-life consequences of negligence on the road. The session encouraged a shift in mindset—from rule-following out of obligation to embracing safety as a personal and social responsibility.



Mr. Amit Khatri interacted with student on safety rules

OUTCOMES:

1. **Enhanced Awareness:** Students gained a clearer understanding of essential road safety rules and the serious consequences of unsafe road behaviour.
2. **Behavioural Shift:** The session encouraged students to adopt a more responsible attitude as road users, whether as pedestrians, riders, or drivers.
3. **Legal and Practical Knowledge:** Participants became more informed about the importance of holding valid driving licenses, maintaining PUC certification, and ensuring vehicle insurance.
4. **Commitment to Road Safety:** The session inspired students to adopt safe road practices and encouraged them to become responsible road users who can influence their peers and family members through awareness.

Activity Name: Be a Contributor
No. of Session **:** 01
Talk Conducted by **:** Dr.Apruva Raval

The session, *"Be a Contributor – Love Your Being – Education Revolution"*, was conducted by the renowned speaker, trainer, and academician **Dr. Apurva Raval**. With a profound background in management, soft skills training, and educational leadership, Dr. Raval is popularly known as the *"Inspiration Master and Career Consultant (Guru)"*. His expertise spans across corporate training, academic development, and motivational speaking, with over 1000+ workshops and seminars impacting more than 5 lakh individuals across India.

In this thought-provoking and motivational session, Dr. Raval emphasized the importance of *self-belief, confidence*, and *contribution to society*. He encouraged students not to give up in the face of adversity and to *be confident enough to be followed rather than ignored*. Drawing from real-life examples of successful

Dr. Apurva Raval felicitated by Dr. Hitesh Vandra and Dr. Ajay Upadhyay

Indian entrepreneurs, he illustrated how embracing one's unique self and developing a strong, positive identity can lead to societal impact and personal fulfillment. Dr. Raval passionately conveyed the idea that being a contributor begins with *loving yourself*, which then radiates outward into being loved and valued

by others. He connected this with the broader concept of an *education revolution* — one that doesn't just impart knowledge, but fosters self-awareness, courage, values, and vision among learners. He also spoke about the evolving role of education in shaping contributors rather than mere degree holders, urging students to be a part of this transformation.

Dr. Apurva Raval interacted with student to boost inner self confidence

Outcomes: By encouraging students to be contributors, it cultivates a mindset of service, collaboration, and positive impact on society. Through the value of loving one's being, learners develop self-awareness, confidence, and emotional well-being, fostering respect, empathy, and resilience. The focus on education revolution transforms learning into a holistic process that goes beyond rote knowledge, emphasizing creativity, critical thinking, ethics, and life skills. Together, these dimensions create a new generation of learners who are not only equipped with professional competence but also inspired to lead with compassion, innovation, and a commitment to societal transformation

Educational Exposure Visit: BISAG
No. of Session : 01
Talk Conducted by : Prof. Cnintan Arora &Prof.Ami Lavinga

The first-year students had the opportunity to visit the Bhaskar Acharya National Institute for Space Applications and Geo-informatics (BISAG) in Gandhinagar, a premier institute under the Government of India known for its pioneering work in space-based applications, satellite communication, and geo-informatics. The visit was organized as part of the induction program to expose students to cutting-edge technologies and their real-world applications in governance, education, disaster management, and environmental monitoring. Upon arrival, students were warmly welcomed by the BISAG officials, who gave a brief introduction about the institute's objectives, history, and major projects.

The session began with an informative presentation explaining how BISAG leverages satellite imagery, remote sensing, and geographic information systems (GIS) to provide solutions for various sectors such as agriculture, urban planning, and natural resource management

Students listening attentively during the introductory presentation by BISAG officials.

Students were then guided to different sections of the institute where they could observe live demonstrations of satellite data processing and GIS mapping. The experts explained how real-time satellite images are used to monitor crop health, detect changes in land use, and assist in disaster

preparedness. One of the key highlights was the exposure to BISAG's satellite communication setup, where students learned about the broadcasting of educational content to remote and rural areas across India through the SATCOM network. They were fascinated to understand how such technological infrastructure ensures access to quality education and important government information to even the most geographically isolated regions. The interaction with the technical staff helped bridge the gap between theoretical knowledge and its actual field applications.

Students observing a live demonstration of satellite image processing

As the visit progressed, students explored the geospatial data center, where they witnessed advanced software being used to analyze large sets of geographical data for various projects. The officials explained how these tools are used to make data-driven decisions for sustainable development. The exposure to projects related to climate change monitoring, watershed management, and smart city planning broadened the students' understanding of how space technology can directly influence and improve daily life. The students were particularly impressed

by the innovative ways in which BISAG integrates space science with socio-economic development, demonstrating that technology is not just about innovation but also about societal benefit. The experts encouraged them to consider careers in space applications, remote sensing, and data analytics, highlighting the vast potential and growing demand in these fields.

Group photo of students and faculty at BISAG, Gandhinagar

OUTCOME: This visit served as a motivating factor for many to explore internships, higher studies, and career opportunities in space applications and geo-informatics. It left them with a sense of pride in India's progress in this domain and a strong desire to contribute meaningfully to such initiatives in the future.

Health Awareness Session: Nurturing Mental and Physical Well-being in Academic Life
No. of Session **:** 01
Talk Conducted by **:** Dr.Suchita & Dr.Kinnari Gupta

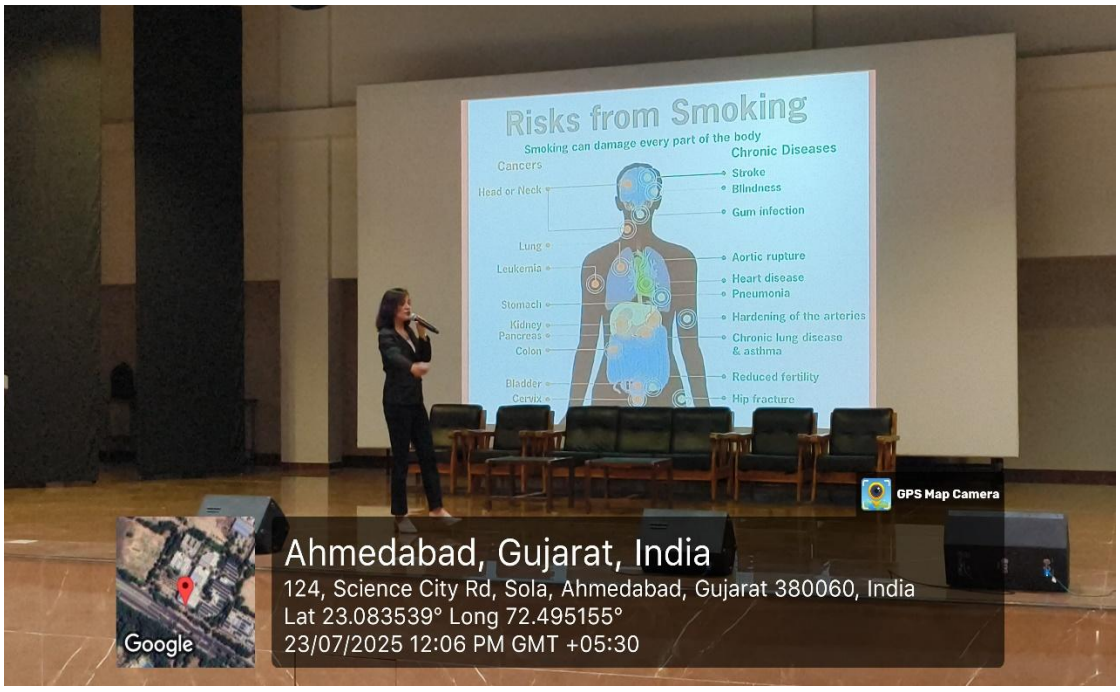
On the occasion of the Induction Program, SAL College of Engineering and Technology welcomed Dr. Suchita and Dr. Kinnari Gupta for a talk on *Mental and Physical Health of the Mind*. The session was organized to help students understand the significance of mental clarity and physical fitness in achieving personal and academic goals. Dr. Suchita K. Patel, an esteemed Assistant Professor in the Department of Pathology at SAL Institute of Medical Sciences. With her in-depth knowledge and commitment to medical education, she plays a vital role in shaping future healthcare professionals Dr. Kinnari Gupta, Associate Professor at SAL Institute of Medical Sciences and a seasoned cardiologist with 13 years of experience. She has published over 12 research papers and is an internationally certified Coach from the UK. Dr. Gupta now works in the field of mind reset and neuroplasticity, helping individuals overcome anxiety and limiting beliefs. Their sessions empower students and professionals to align with their goals and lead a purposeful life.

Dr. Suchita and Dr. Kinnari Gupta graced the dais along with the Principal for a valuable talk

The session started by Dr. Suchita with an old and informative saying*" A sound mind in a sound body"* — this ancient saying holds even more relevance in the academic life of today's students.

In the pursuit of academic excellence, students often focus solely on intellectual achievements, overlooking a vital element: the physical health of the mind. But the mind, just like the body, needs care, rest, and nourishment to function at its best. The physical health of the mind refers to the brain's capacity to remain energized, balanced, and resilient. When students take care of their mental well-being through proper sleep, nutrition, physical activity, and stress management, they are more likely to retain information, stay focused during lectures, think creatively, and make better decisions. On the other hand, neglecting this aspect can lead to fatigue, anxiety, lack of motivation, and even academic burnout.

Dr.Kinnari Gupta focus on the mental health. In today's competitive academic world, students often chase marks and success, forgetting one essential truth — the mind and body are deeply connected. As highlighted by Dr. Kinnari in her insightful seminar, ***"Is your mind the master or the servant?"*** — This powerful question invites us to reflect on who is really in control. When the mind is healthy, it becomes a master guiding the body with purpose. But when neglected, it becomes a confused servant, leading to stress, fatigue, and imbalance. She emphasized that mental health is not just about the absence of illness — it is about emotional, physiological, and social well-being. In academic life, this translates into how students manage emotions, build relationships, cope with pressure, and maintain discipline. Ignoring mental well-being can lead to harmful habits, like smoking, which may seem like a short escape but have long-term negative effects on both mind and body.



Dr. Kinnari unveils the harsh reality of smoking's impact on mental and physical health.

A healthy body supports clearer thinking, better concentration, and emotional stability, while a calm and focused mind leads to better habits and decisions. This balance helps students not only achieve academic success but also maintain inner peace and confidence. In nurturing this

connection, they grow into individuals who are not just intelligent, but also emotionally strong, socially aware, and resilient in life.

Standing strong for wellness — a powerful covenant to live mentally and physically fit

OUTCOMES:

5. **Enhanced Awareness:** Students gained a deeper understanding of the strong connection between mental and physical health, realizing that a healthy mind is essential for academic success and overall well-being.
6. **Positive Lifestyle Reflection**: The session encouraged students to reflect on harmful habits like smoking and adopt healthier choices to support both their mental clarity and physical vitality.
7. **Emotional Resilience Building**: Students learned techniques and insights to better manage stress, emotions, and social pressures, promoting emotional strength and mental balance in their daily lives.

The Ethical Engineer: Importance of values in Engineering studies
No. of Session **:** 01
Talk Conducted by **:** Prof.Jashvant R.Dave

As a part of the first-year induction program, **Prof. Jashvant R. Dave** delivered an insightful talk on the **"***Importance of Values in Engineering Studies."* He emphasized how strong ethical values, integrity, and professional responsibility form the foundation of a successful engineering career. Prof. Dave, Assistant Professor at Vishwakarma Government Engineering College, has over **20 years of academic experience**. He holds a PhD from GTU and M.Tech in CSE from Nirma University. He has mentored several award-winning projects at national and state-level hackathons and developed multiple online IT solutions. Prof. Dave has also organized numerous technical workshops, FDPs, and training programs on IPDC across reputed universities. He is a recipient of the **SSIP Prashansha Award for Best Mentor (2019)** and the **Best Paper Award at ICON-2021, BITS-Pilani**

Prior to the commencement of the session, Principal Dr. Hitesh Vandra and In-charge Principal Dr. Ajay Upadhyay extended a cordial welcome to Prof. Jashvant R. Dave

Dignitaries welcoming Prof. Jashvant R. Dave

In his address, Prof. Dave emphasized that ethical values, integrity, and professional responsibility are fundamental to a successful engineering career. He introduced the "Step to Success – HEART Framework"**,** which highlights the importance of Honesty, Empathy, Accountability, Respect, and Teamwork as the core values that guide engineers toward excellence. As part of the session, several students were invited on stage to engage in an interactive discussion**.** He explained each element in detail and encouraged students to share their views on how these values could shape their academic journey and future careers.

An engaging interaction between Speaker and students

To make the session more impactful, Prof. Dave also shared real-life examples demonstrating the role of values in engineering practice. He cited instances of bridge collapses caused by the use of substandard materials**,** emphasizing how compromising integrity can lead to catastrophic outcomes. He also discussed data privacy breaches in the software industry, stressing the importance of safeguarding user information, and spoke about ignoring environmental guidelines in industrial projects, which can cause long-term harm to society.

The session was highly interactive and well-received by the students, who expressed that they found it both motivating and insightful. Speaker Also appreciate the student's enthusiastic participation and encouraging them to uphold ethical values throughout their engineering journey. The program concluded with a formal Vote of Thanks delivered by Prof. Harshit Bhavsar, who expressed gratitude to Prof. Jashvant R. Dave for his valuable time and enlightening talk.

A formal Vote of Thanks by Prof. Harshit Bhavsar

OUTCOME:

The session helped students gain deeper insights into how ethical principles and a sense of responsibility form the foundation of a successful engineering career. *HEART Framework* provides them with a clear roadmap to embed positive values in their personal and professional lives

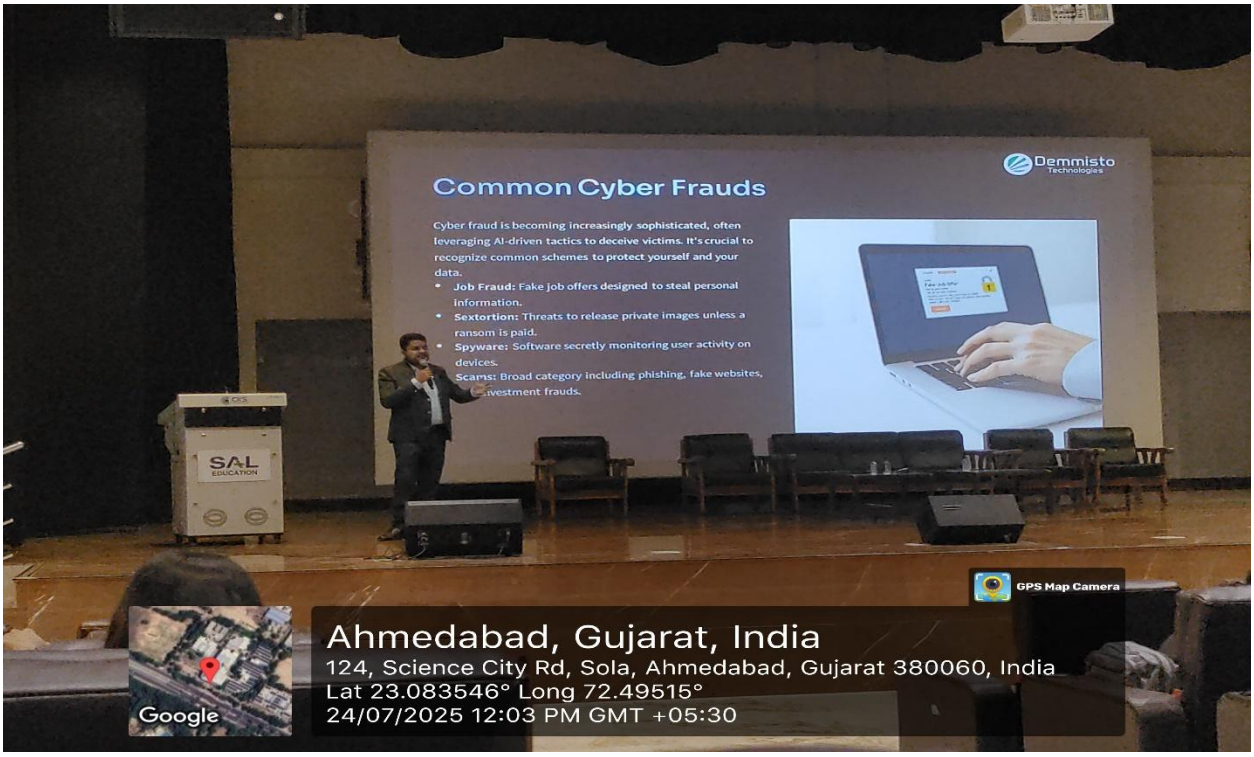
Cyber Shield : Cyber Security Awareness
No. of Session : 01
Talk Conducted by : Mr.Akash Nishad

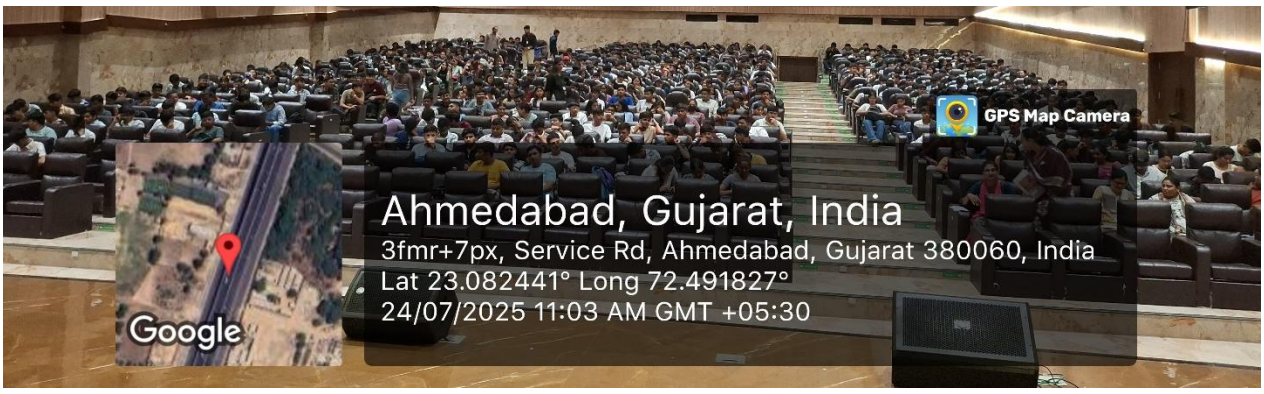
As part of the Induction Program for the newly admitted students, a Cyber Security Awareness Expert Session was organized. The session aimed to provide participants with essential knowledge on cyber threats, prevention techniques, and the legal and ethical aspects of cybersecurity in today's digital era. Given the increasing dependency on digital platforms for education, business, and personal communication, cybersecurity awareness has become a necessity. The session was designed to equip students with the ability to identify potential cyber risks and adopt safe online practices. Mr. Akash Nishad, Founder & Director of Demmisto Technologies Pvt. Ltd**.** – a global leader in IT Security Training and Services. Mr. Nishad is a recognized leader in the field of cybersecurity, having successfully assisted over 490 clients in Cyber Crime Investigation projects. His company, under his visionary guidance, has earned the **"**Top Cyber Security Company of the Year" award from the Global Business Excellence Awards (GBEA)**.**

Before the commencement of session Mr. Akash Nishad was warmly welcomed by Principal Dr. Hitesh Wandra and In-charge Principal Dr. Ajay Upadhyay

Dignitaries welcoming Mr.Akash Nishad

The session began with an overview of the current cybersecurity landscape, emphasizing that cyber threats are not limited to large organizations but can target individuals, educational institutions, and small businesses alike. Mr. Nishad explained the different types of cyber-attacks, including phishing, ransomware, malware, identity theft, and social engineering. He highlighted that attackers often exploit human errors, such as clicking on suspicious links or sharing sensitive information on unsecured platforms**.** Session focused on common cybersecurity frauds





Students gaining insights into real-world cyber frauds

These included phishing scams, where attackers impersonate legitimate organizations to steal personal data; online shopping frauds, involving fake e-commerce websites or sellers; ATM skimming, in which devices are used to capture card details; job frauds, where fake recruiters lure

victims with false employment offers; lottery scams, which promise large sums of money in exchange for personal details or processing fees; and OTP-based frauds, where unsuspecting victims share one-time passwords with criminals. By illustrating real-life examples, the speaker made participants aware of how these scams operate and how they can be avoided

Mr. Nishad also provided practical cyber hygiene tips to strengthen online safety. These included using strong and unique passwords, enabling multi-factor authentication, avoiding public Wi-Fi for sensitive transactions, regularly updating software, and being cautious about the information shared on social media. He emphasized that awareness and vigilance are the most effective defenses against cybercrime.

OUTCOME:

Cyber Security Awareness Expert Session by Mr. Akash Nishad proved to be an insightful and timely initiative. It not only broadened the students' understanding of cybersecurity but also equipped them with actionable strategies to safeguard their digital presence. Such awareness programs are essential in preparing the younger generation to face the challenges of a rapidly advancing technological world while maintaining a safe and ethical online environment

Best from Waste : Recycling in Style
No. of Session : 01
Talk Conducted by : Prof. Mittal Shah & Prof Alpesh Adesara

The "Waste to Wonder – Recycling in style" activity was one of the most entertaining and innovative highlights of the program, designed to encourage teamwork, creativity, and environmental awareness among students. Participants were divided into small groups of five to six members, each provided with basic materials such as old newspapers, fevicol, staplers, tape, and a few decorative items. The challenge was to transform these waste materials into unique and wearable outfits, demonstrating the art of upcycling in the most imaginative way possible. Students enthusiastically brainstormed ideas, discussing designs, themes, and ways to ensure that their creation was both creative and wearable. The energy in the room was vibrant as each group worked collaboratively — cutting, folding, stapling, and assembling their designs with utmost precision. Laughter and excitement filled the air as some groups experimented with bold patterns and accessories, while others focused on elegance and innovative use of limited resources.

Once the costumes were ready, the second and most awaited part of the activity began — the ramp walk. From among each group, one student was chosen to wear the outfit and walk the ramp, showcasing their creation with confidence. The ramp walk was accompanied by music and lively commentary, adding to the festive spirit of the event. To make the activity even more engaging, each group was asked to give their design a title and incorporate it into a funny movie-style dialogue, which the model had to deliver at the end of their walk. This twist brought an element of humor to the competition, as students delivered their lines in dramatic, comedic, or exaggerated tones, drawing loud applause and laughter from the audience.

Eco-Fashion on the Ramp – Turning waste into wearable art with a pinch of humor!

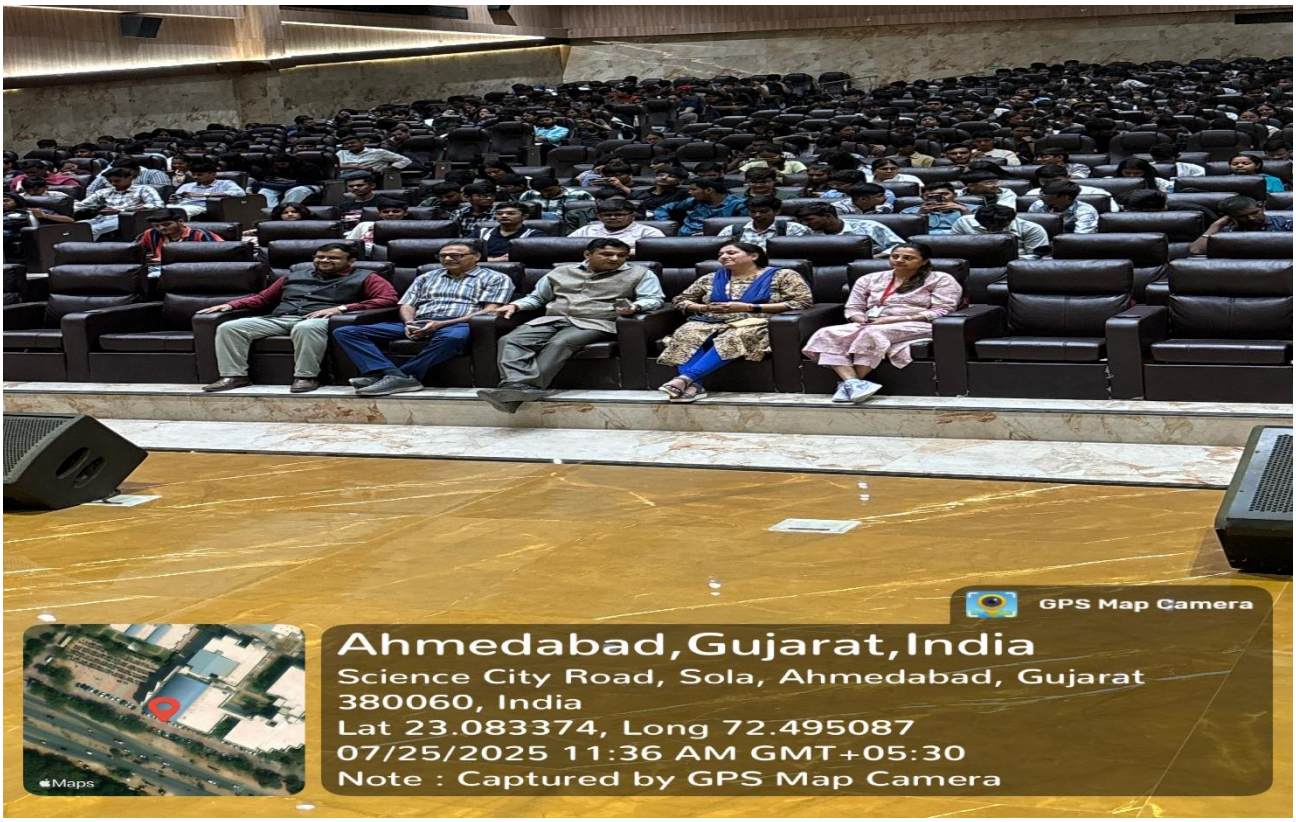
Appreciation to Students by faculty members

In the end, the judges appreciated not only the outfits but also the originality of ideas, the way waste materials were utilized, and the delivery of the humorous dialogues. While a few groups were declared winners based on creativity and presentation, the real victory lay in the shared laughter, the unforgettable memories created, and the lessons learned about working together for a common goal.

Science & Technology: Use of mobile apps in learning Science and Techology
No. of Session **:** 01
Talk Conducted by **:** Dr. D.H Gadani

As part of the Induction Program, a talk was organized on the **"**Use of Mobile Apps in Learning of Science and Technology"**.** The session highlighted how mobile applications are transforming the learning process by making scientific concepts more interactive, accessible, and engaging. Dr. D. H. Gadani**,** Professor, Department of Physics, Gujarat University, Ahmedabad, has over 37 years of teaching and research experience**.** A Ph.D. from Gujarat University (2011), he specializes in microwave dielectrics**.** He has received 10 national, international, and state-level awards and is the Principal Investigator of an ISRO project (2022–2025) on Antarctic ice shelf studies using Oceansat-3 data. Dr. Gadani is Vice-Chairman of the Indian Society of Remote Sensing and holds memberships in IETE, Gujarat Science Academy, and the Indian Association of Physics Teachers

The distinguished speaker, Dr. D. H. Gadani, was warmly welcomed by the Principal and I/C Principal, followed by an interaction before the commencement of the session.



Welcoming Dr. D.H Gadani

The resource person highlighted how mobile apps have transformed education by breaking the boundaries of time and place in learning. With just a smartphone, students can now carry powerful scientific tools in their pockets, ranging from graphing calculators to programming environments.

These apps allow learners to visualize concepts, run simulations, and perform calculations instantly, making complex topics more accessible and engaging. They also encourage independent exploration, enabling students to learn at their own pace and revisit topics as needed.

During the talk, the speaker introduced and demonstrated several educational mobile applications. Desmos Graphing Calculator was presented as an intuitive tool for visualizing mathematical functions, plotting graphs, and exploring algebraic and calculus concepts. Electro Droid was showcased as a handy reference for electronics enthusiasts, providing circuit symbols, pinouts, resistor codes, and electrical calculators. For programming skills, the speaker discussed Pydroid 3 – IDE for Python 3, which allows learners to write, run, and test Python programs directly on their mobile devices, and Cxx-droid – C/C++ Compiler IDE, which enables coding and compiling C and C++ programs without requiring a computer. These apps were demonstrated through examples, showing how students can use them to practice coding, conduct virtual experiments, and solve scientific problems efficiently.

Following the session, a formal Vote of Thanks was delivered by Dr. Vaishali Bhavsar expressing gratitude to the resource person for sharing valuable insights and active engagement

Formal Vote of Thanks

OUTCOME:

The session enabled students to discover practical mobile applications that can enhance their learning in science and technology. The talk inspired participants to integrate these apps into their studies, fostering self-paced learning, problem-solving skills, and technological confidence.

Cine Mania : Bollywood Frenzy
No. of Session : 01
Talk Conducted by : Prof. Himani Patel & Prof Twinkle Patel

The *Bollywood Frenzy* activity proved to be one of the most exciting and engaging segments of the induction program, filling the atmosphere with energy, laughter, and enthusiasm. Designed to test the students' knowledge of Indian cinema in an entertaining manner, the activity drew instant attention the moment the first slide appeared on the projector screen. The auditorium quickly transformed into a lively quiz arena, with students eager to showcase their quick thinking and Bollywood expertise.The session began with a round of questions related to Bollywood, displayed on a color-ful and interactive PPT. Questions ranged from famous dialogues and evergreen songs to award-winning films and well-known actors. As each question appeared, hands shot up across the room, and participants confidently shared their answers. Following this, the emoji round brought a fresh twist to the game.

Bollywood Frenzy

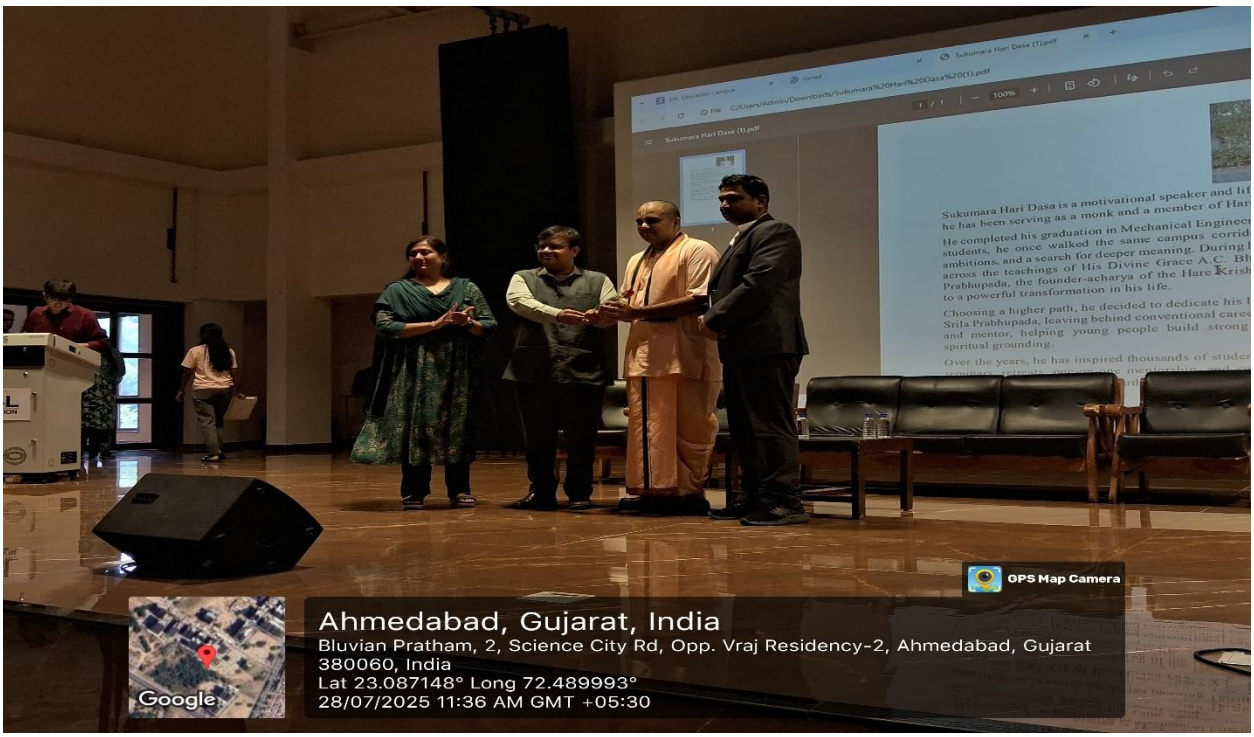
In this segment, students were shown sequences of emojis that hinted at the name of a Bollywood movie, an actor, or a related theme. Decoding the emojis led to moments of suspense, surprise, and amusement as participants tried to make connections between the clues The excitement peaked with the video clip round. Short, carefully chosen scenes from Bollywood movies were played without revealing the titles, and students had to identify the films solely from the visuals. While some clips were instantly recognized, others prompted deeper thinking. Throughout the activity, the atmosphere remained cheerful and engaging. Even those who were not actively answering found themselves whispering guesses, reacting to questions, and enjoying the spirited environment

By the end of the session, *Bollywood Frenzy* had not only provided entertainment but also created a shared experience that brought students closer together. The combination of quizzes, puzzles, and visual challenges ensured that every participant remained involved and energized

Path for Purpose : Gita for Youth
No. of Session : 01
Talk Conducted by : Su Kumar Hari Prabhu

As part of the induction program designed to help new students transition smoothly into their academic and personal journey at the institution, an inspiring session titled **"GITA FOR YOUTH: A Path to Purpose"** was organized. The session was conducted by **Sukumara Hari Dasa**, a motivational speaker, lifestyle coach, and a dedicated monk of the Hare Krishna Movement since 2018. The purpose of this session was to provide students not only with motivational insights but also with a deeper spiritual perspective drawn from the *Bhagavad Gita*, one of India's most profound philosophical texts

The distinguished speaker, Su Kumar Hari Prabhu , was warmly welcomed by the Principal and I/C Principal, followed by an interaction before the commencement of the session.



Welcoming of Su Kumar hari Prabhu

Sukumara Hari Dasa shared his personal journey of transformation—from being a Mechanical Engineering student with conventional ambitions to becoming a monk and youth mentor. His candid narrative resonated with the students, many of whom could relate to the confusion, stress, and questions of purpose that often accompany student life. He emphasized how encountering the teachings of His Divine Grace A.C. Bhaktivedanta Swami Srila Prabhupada, the

founder of the Hare Krishna movement, changed the trajectory of his life by giving him a greater sense of direction and meaning.

Sukumara Hari Dasa also highlighted the importance of association, habits, and daily routines in shaping one's future. He advised students to be mindful of whom they associate with and to choose role models who reflect integrity and purpose. He also touched upon the value of gratitude, service, and introspection in building a well-rounded personality. The lecture left a lasting impact on the students, many of whom expressed their gratitude for such a refreshing and thought-provoking experience during the induction program. They appreciated the practical tools shared during the talk and acknowledged the importance of incorporating spiritual grounding in the fast-paced and competitive environment of student life

Collective Thank You to the Divine

OUTCOME:

In closing, "GITA FOR YOUTH: A Path to Purpose" proved to be more than just a motivational talk. It was a meaningful initiation into a life of conscious living, inner strength, and purposeful growth. The presence of Sukumara Hari Dasa and his ability to connect with young minds made the session not only enlightening but also deeply relevant

Activity Name: Artificial Intelligence – Present and Future Technology Application
No. of Sessions: 01
Session Conducted by: Mr. Chirag Thakar

The session titled “Artificial Intelligence – Present and Future Technology Application” was delivered by Mr. Chirag Thakkar, Founder and Director of Softvan Labs. Mr. Thakar is recognized as a visionary technologist and a leading contributor to India’s growing Artificial Intelligence ecosystem. With extensive experience in deploying AI, IoT, and automation-based solutions across diverse sectors—healthcare, manufacturing, and education—he has built a reputation for transforming complex technical concepts into practical, real-world solutions. As a sought-after keynote speaker and industry consultant, Mr. Thakkar is known for his engaging style and ability to inspire audiences with both knowledge and foresight.
During this insightful and interactive session, Mr. Thakkar shed light on the pervasive influence of AI in modern society and its transformative role in industries worldwide.

He broke down essential AI concepts—including machine learning algorithms, neural network architectures, and computer vision technologies—in a manner accessible to both beginners and advanced learners. Drawing from live case studies and working prototypes developed by his team, he demonstrated how AI-driven innovations are reshaping key sectors:
Healthcare: AI-assisted diagnostics enabling early detection of diseases and improving patient care.

Manufacturing: Predictive maintenance systems reducing downtime and optimizing production efficiency.

Automation: Intelligent process automation enhancing productivity in various service and industrial operations.

Mr. Thakkar also addressed future technology trends, highlighting how advancements in generative AI, edge computing, and AI ethics will shape the next decade. He provided valuable career guidance for students aspiring to enter the AI field, recommending learning pathways, essential technical skills, and relevant certifications. His motivational approach encouraged students to see AI not just as a subject of study, but as a powerful tool for innovation, entrepreneurship, and problem-solving in real-world scenarios.

Key Outcomes of the Session:

Clarity on AI Concepts: Students developed a clear and structured understanding of AI principles, tools, and frameworks.

Real-world Relevance: Exposure to ongoing AI projects bridged the gap between theoretical learning and industrial application.

Career Orientation: Students received actionable advice on building AI expertise through targeted courses, certifications, and practical projects.

Innovation Mindset: The session inspired curiosity, creativity, and an entrepreneurial approach toward emerging technologies.

This session served as both an educational and inspirational experience, equipping participants with not only technical awareness but also the motivation to engage actively in the rapidly evolving digital and AI-driven economy.

Field Visit: Learning Beyond the Classrooms-ISRO
No. of Session **:** 01
Talk Conducted by **:** Prof. Cnintan Arora &Prof.Ami Lavinga

As part of the Induction Program for the first-year students of SAL Institute of Technology and Engineering Research visited to **V**ikram Sarabhai Space Exhibition (VSSE)—also termed the ISRO museum in Ahmedabad—is a dynamic, exhibition open to the public and especially students. It's designed to spark curiosity about space science and ISRO's contributions. The objective of the visit was to provide students with exposure to India's advancements in space research and satellite technology, and to inspire them towards innovation and scientific inquiry..

During the visit, students explored two floors of well-designed thematic galleries and interactive displays that covered diverse areas such as launch vehicle technology, satellite communication, earth observation, and planetary exploration. They observed detailed scale models of PSLV and GSLV rockets, satellite payloads, and space suits, along with informative panels explaining each component's function. The 3D auditorium presentation offered an immersive experience of space missions, highlighting the intricate planning and execution behind India's pioneering projects such as Chandrayaan, Mangalyaan, and NavIC.

Student-Faculty Team at ISRO Visit

Students were also introduced to ongoing ISRO projects in remote sensing, meteorology, and communication technology, which demonstrated the crucial role of space applications in everyday life, from disaster management to agriculture. Guided explanations by ISRO scientists and engineers enriched the learning experience, allowing students to ask questions and gain clarity on complex concepts such as rocket propulsion, payload integration, and mission planning. Interactive kiosks and touch-screen panels enabled students to engage directly with digital content, animations, and mission videos, while informative posters and diagrams helped them connect the exhibits to their classroom learning.

Interactive Learning Experience inside the Vikram Sarabhai Space Exhibition

After exploring the gallery and engaging with ISRO scientists, students gained valuable insights into the complete life cycle of satellite missions — from conceptual design and development to launch and operational deployment. They learned about the different categories of satellites such as communication satellites, earth observation satellites, navigation satellites, and scientific satellites, along with their unique payloads and applications. The models and demonstrations helped students understand how satellites are assembled, tested for environmental conditions, and integrated with launch vehicles.

OUTCOME: The educational visit to the Vikram Sarabhai Space Exhibition at ISRO proved to be highly beneficial for the first-year students.

- Students developed a practical understanding of satellite life cycles, from design to deployment.

- They gained awareness of India's major space missions such as Chandrayaan, Mangalyaan, and NavIC.

- They understood the societal applications of space technology in areas like disaster management, agriculture, and communication.

- Many students expressed increased motivation to pursue careers and research opportunities in aerospace and related fields.

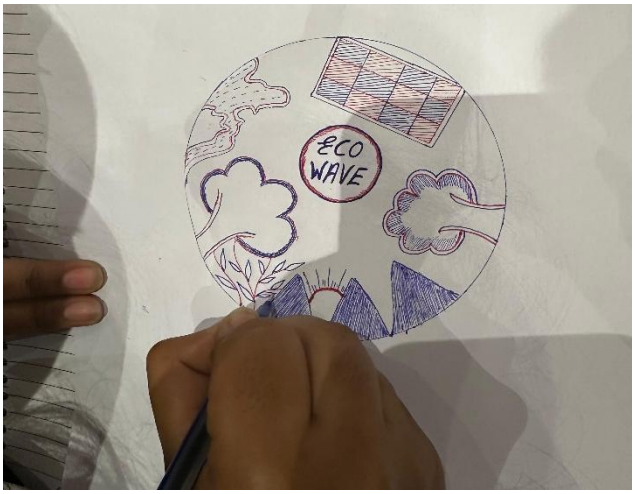
- The visit fostered scientific curiosity and problem-solving skills, aligning with the broader goals of the induction program.

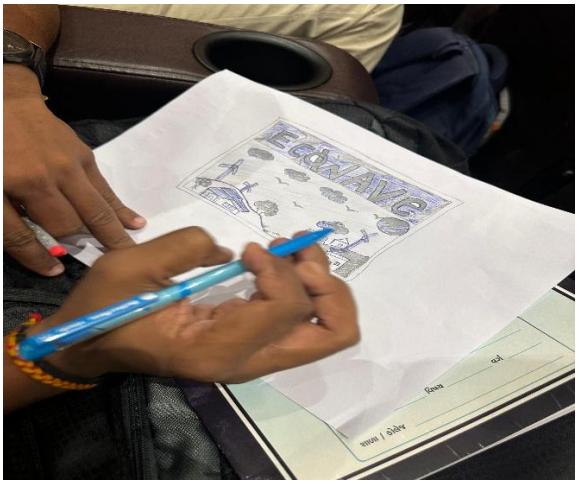
Eco Logothon : Blends Environment with Creativity
No. of Session : 01
Talk Conducted by : Prof. Amit Kumar J Patel & Prof Jalpa Patel

As a part of the Induction Program, a creative and engaging group activity titled **"**Logothon**"** was organized to encourage students to showcase their artistic abilities while spreading awareness about environmental conservation. The objective of this activity was to inspire students to think innovatively and visually communicate ideas related to protecting and preserving nature. In this activity, students were divided into groups of 5–6 members. Each group was tasked with designing a unique logo based on an ECO WAVE theme. The themes ranged from *save trees*, *water conservation*, *renewable energy*, *pollution control*, *biodiversity protection*, to *reduce, reuse, and recycle*. Materials such as chart papers, markers, sketch pens, and colors were provided to the participants.

Logothon – A Celebration of Creative Excellence

While creating the logos, students were encouraged to focus on parameters such as relevance to the theme, appropriate color usage, meaningful symbols, simplicity, creativity, and clarity. They were also guided to ensure that their designs were balanced, memorable, and emotionally appealing, effectively capturing the essence of environmental sustainability. The activity not only fostered creativity but also promoted teamwork and coordination among the students. Each member contributed ideas, shared responsibilities, and worked collectively towards a common vision. Once completed, every group presented their logo to the audience, explaining the concept, symbolism, and intended message behind their creation.





Showcasing Innovation Through Logos

The “Logothon” proved to be a fun-filled yet thought-provoking exercise. It allowed the students to express their environmental concerns through art while building their confidence and communication skills. The variety of creative logos showcased the students’ potential to combine imagination with social responsibility. Overall, the activity was well-received and left a positive impact, reminding everyone of the importance of protecting our planet for future generations.

Educational Visit : Indian Physics Laboratory
No. of Session : 01
Talk Conducted by : Dr.Sweta Bhatt & Prof. Vaidehi Shah

As part of the Induction Program 2025, our college organised an educational visit to the Indian Physics Laboratory (IPL), Ahmedabad, for the first-year students with the aim of bridging the gap between theoretical classroom learning and practical scientific applications. The Indian Physics Laboratory is a premier research facility engaged in advanced studies in various branches of physics including condensed matter physics, nuclear physics, material science, plasma physics, and spectroscopy. The visit was organised to help students witness first-hand the functioning of a professional research laboratory, to familiarise them with sophisticated instruments, and to interact with scientists actively engaged in research.

Student-Faculty Team at IPR Visit

During the visit, the scientist explained various experiments in an engaging and interactive manner, covering the principles and applications of advanced instruments such as the X-ray diffraction

system, scanning electron microscope, optical emission spectroscopy, and particle detectors. Students listened attentively, asked questions, and gained valuable insights into how theoretical concepts like diffraction, spectroscopy, thermodynamics, and electromagnetism are applied in real-world research. They observed demonstrations of experiments related to spectroscopy, plasma generation, and material analysis, which helped them understand the role of scientific research in technological advancements. Walking through different laboratory sections, students were able to see the precision, safety measures, and systematic procedures that are integral to high-level research work.

Interactive Learning Experience inside the IPR

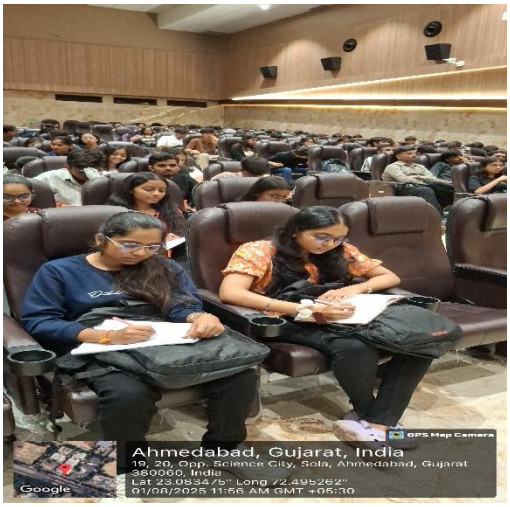
The visit created an environment of excitement and motivation, encouraging students to think critically, appreciate the meticulous nature of scientific investigation, and develop a greater passion for learning. By observing real-time experiments, advanced instruments, and ongoing research activities, they gained a deeper appreciation of how fundamental physics principles are applied in cutting-edge scientific work. Interactions with scientists not only enhanced their understanding of space research, satellite technology, and atmospheric studies but also ignited curiosity to explore these fields further.

Inside IPR gallery

OUTCOME: Exposure to advanced experiments and laboratory setups gave students a clearer vision of how theoretical knowledge is transformed into tangible outcomes. Many students expressed a renewed interest in pursuing higher studies in science and technology, seeing research not just as an academic pursuit but as a means to contribute to national progress. This visit, therefore, planted seeds of ambition and innovation in young minds, fostering a spirit of exploration and discovery.

Activity Name: Emotional Intelligence and its Role in Youth Development
No. of Sessions: 01
Session Conducted by: Mr. Munjal

The session titled "Emotional Intelligence and its Role in Youth Development" was conducted by Mr. Munjal, a seasoned soft skills coach and corporate trainer with deep expertise in emotional well-being, motivational development, and interpersonal effectiveness. Known for his engaging, interactive style, Mr. Munjal combines psychological insights with hands-on activities to create impactful learning experiences that resonate with participants long after the session ends.



Mr. Munjal welcomed on behalf of SAL Education Campus and students were trained with emotional intelligence traits for learning

In this session, Mr. Munjal introduced students to the foundational principles of Emotional Intelligence (EI)—a skill set increasingly recognized as essential for both personal fulfillment and professional success. He explained the five core components of EI—self-

awareness, self-regulation, motivation, empathy, and social skills—using relatable examples and case-based discussions. His approach emphasized that emotional intelligence is not an innate talent, but a skill that can be nurtured and strengthened through conscious practice.

Through role-play scenarios, guided reflections, and real-life anecdotes, students were encouraged to recognize their emotional triggers, practice active listening, and respond to challenging situations with composure. The interactive exercises also highlighted the importance of empathy in fostering strong relationships, whether in academic collaborations, friendships, or professional networks.

The session further addressed stress management strategies, teaching student's practical techniques such as mindful breathing, reframing thoughts, and structured problem-solving to cope with anxiety and pressure. Mr. Munjal also underscored the role of emotional maturity—the ability to maintain balance, adapt to change, and respond constructively to setbacks—in shaping a resilient and forward-looking mindset for long-term growth.

Key Outcomes of the Session:

Emotional Literacy: Students developed the ability to recognize, name, and express their emotions in healthy, constructive ways.

Resilience Building: Practical tools and techniques were provided for managing stress, overcoming anxiety, and staying focused under pressure.

Social Effectiveness: Emphasis was placed on empathy, teamwork, and communication as cornerstones of productive relationships.

Personal Growth: Students became more mindful of their inner emotional world, gaining confidence in resolving conflicts and navigating complex social dynamics.

This session served as a transformative learning experience, equipping students with skills that extend far beyond the classroom. By fostering empathy, emotional balance, and self-awareness, it empowered young participants to thrive not just academically, but as emotionally intelligent individuals prepared for the challenges of the modern world.

Activity Name: ***Placement Preparation and Industry Expectations***
No. of Sessions: 01
Session Conducted by: Prof. Jyoti Joshi

The session, *"Placement Preparation and Industry Expectations,"* was conducted by Prof. Jyoti Joshi, a highly respected placement officer, corporate trainer, and mentor who has guided hundreds of engineering graduates toward successful career outcomes. Renowned for her ability to bridge the gap between academia and industry, Prof. Joshi has extensive experience in aptitude training, group discussion and personal interview coaching (GD-PI), and resume crafting techniques. Her efforts have significantly contributed to improving employability indices at her institution and have inspired students across Gujarat to approach placements with clarity and confidence.

In this insightful and highly interactive session, Prof. Joshi walked participants through the entire placement lifecycle—from pre-placement preparation and skill building to final selection rounds. She highlighted the critical competencies that recruiters expect in fresh engineering graduates, placing special emphasis on effective communication skills, strong domain knowledge, problem-solving abilities, and professional behaviour.

Prof. Jyoti was felicitated by Principals on behalf of SAL Education Campus

The session featured practical exercises, including an interactive resume review, where participants received personalized feedback to make their profiles stand out. Prof. Joshi also conducted mock interview discussions to help students anticipate challenging questions and refine their responses. She shared a comprehensive set of do's and don'ts for group discussions, online assessments, and HR interviews, giving students a realistic understanding of corporate evaluation processes.

Importantly, Prof. Joshi addressed the emotional and psychological aspects of placement preparation, urging students to view rejection as a learning opportunity rather than a setback. She encouraged them to treat feedback as a valuable growth tool, cultivating resilience and adaptability—qualities highly valued by employers in today's dynamic job market.

By the end of the session, participants had a clear action plan for placement readiness and a renewed sense of purpose in aligning their skills with the demands of the industry.

Key Outcomes:

1. Preparedness for Placements: Students acquired practical knowledge about the complete placement process, from resume submission to final interviews.
2. Skill Alignment: The importance of matching individual strengths and competencies with job roles was underscored to improve selection chances.
3. Professional Grooming: Participants learned essential corporate etiquette, professional presentation skills, and effective workplace communication.
4. Increased Confidence: Through guidance, exercises, and real-world insights, students developed greater self-assurance in pursuing their desired career pathways.

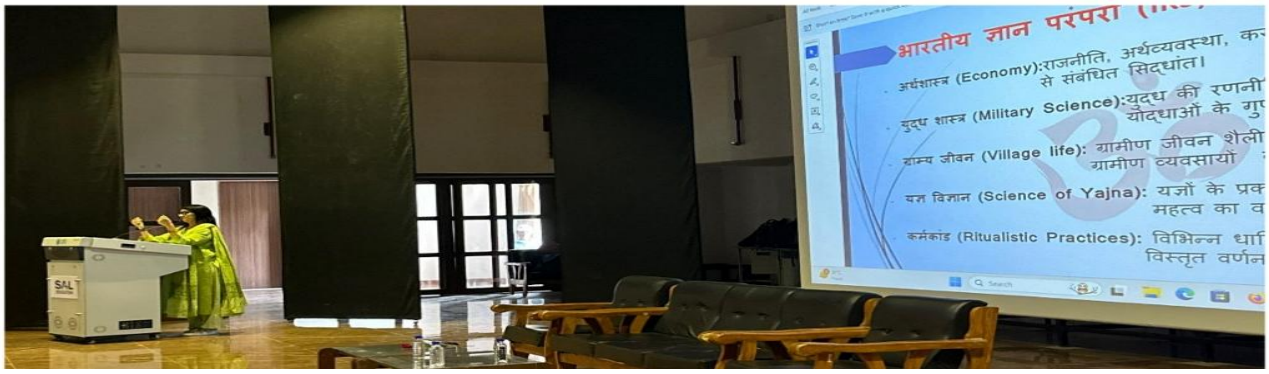
Roots of Wisdom: Exploring the Indian Knowledge System
No. of Session **:** 01
Talk Conducted by **:** Dr. Hema Vanar

To introduce students to the rich and diverse heritage of India's intellectual and cultural traditions, an expert session on the **Indian Knowledge System (IKS)** was organized as part of the First Year Induction Program. This initiative aligns with the vision of the **National Education Policy 2020**, which emphasizes integrating traditional knowledge systems with modern education to nurture holistic and rooted individuals. An expert session on the **Indian Knowledge System (IKS)** was conducted by Dr. Hema Vanar, Associate Professor, Civil Engineering Department, SAL College of Engineering, Ahmedabad. With over 27 years of academic and research experience, She shared valuable insights into the integration of traditional Indian wisdom with modern education and engineering practices. She holds degrees in Civil Engineering, Water Resources Management, and a Ph.D. in Hydrogeology, along with a Master's in Hindu Studies.

Prior to the commencement of the session, Principal Dr. Hitesh Vandra and In-charge Principal Dr. Ajay Upadhyay extended a cordial welcome to Dr. Hema Vanar

Dignitaries welcoming Dr.Hema Vanar

In today's modern world, it is important to stay connected to our culture and traditions. To help us understand this better, an expert session was conducted on the **Indian Knowledge System (IKS)**. Dr. Hema Vanar explained how IKS, from ancient Vedic knowledge to its place in **NEP 2020**, is very useful and meaningful in today's life. The importance of IKS lies in its holistic approach to learning and living. It offers deep insights into the interconnection between the self, society, and nature. Systems like Ayurveda and Yoga promote health and well-being, while philosophies from the Upanishads and Bhagavad Gita guide moral and ethical behavior. IKS contributes to sustainable development, promotes harmony with nature, and helps individuals grow intellectually, spiritually, and emotionally. It preserves cultural identity while offering universal values that are relevant even today. A key component of IKS is the **Vedic corpus**, which includes four primary Vedas—Rigveda, Samaveda, Yajurveda, and Atharvaveda. The Vedic knowledge was not limited to religion but extended to health, ecology, astronomy, and social order.



The **National Education Policy (NEP) 2020** has included IKS to bridge the gap between modern education and India's ancient wisdom. It aims to revive and integrate traditional knowledge systems into the mainstream curriculum to make education more rooted, value-based, and multidisciplinary. **NEP aims to build both scientific thinking and pride in our culture**. It encourages students to think wisely, behave responsibly, and find creative solutions based on Indian traditions. As human beings, we play an important role in learning, preserving, and sharing the Indian Knowledge System. By using its values—like yoga, ethical living, and sustainability—in our daily lives, we can grow personally and help society. It's also our duty to pass this

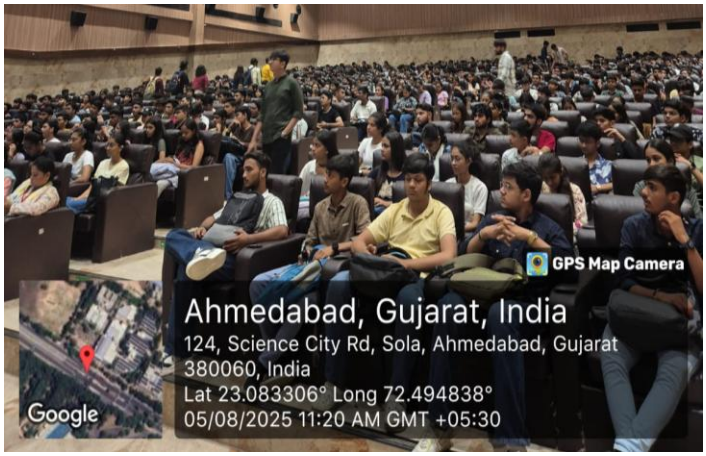
knowledge to future generations and use it to solve today's problems. This way, we keep our rich heritage alive and meaningful

Outcome: Studying the Indian Knowledge System (IKS) helps students understand the rich intellectual traditions of India in areas like science, mathematics, medicine, philosophy, and arts. It promotes interdisciplinary learning by connecting ancient wisdom with modern applications. Learners gain a deeper appreciation for Indian culture, values, and holistic worldviews. The study also fosters critical thinking, cultural pride, and ethical awareness. Professionally, it opens pathways in education, research, wellness, heritage management, and sustainable living. Overall, IKS provides a well-rounded foundation for both personal growth and societal development.

Activity Name: Entrepreneurship as a Career Option

No. of Session: 01
Session conducted by: Dr. Kavita Saxena

The session was conducted by **Dr. Kavita Saxena**, a senior faculty and mentor from Entrepreneurship Development Institute of India (EDI). With her academic background in business development and innovation management, Dr. Saxena has mentored numerous start-ups and incubation projects.



Dr. Kavita Saxena welcomed on behalf of SAL Education Campus & Students effectively enjoyed the session

She introduced students to the entrepreneurial mindset, emphasizing creativity, risk-taking, and opportunity recognition. She added how start up is created and executed with consistency.

Using inspiring success stories and tools like the Business Model Canvas, she encouraged students to think like innovators and solve real-world problems. The session included discussion on startup funding, government schemes, and the support ecosystem available for aspiring entrepreneurs in India.

Outcomes:

5. **Entrepreneurial exposure**: Students understood what it means to be an entrepreneur in today's economy.
6. **Start-up readiness**: Tools and techniques to start a venture were introduced.
7. **Vision-driven learning**: Students were inspired to align personal interests with broader market needs.
8. **Access to ecosystem**: Information was shared about incubators, accelerators, and funding platforms.

GTU at a Glance : Understanding the Essentials
No. of Session : 01
Talk Conducted by : Prof.Hardik Bhatt & Prof. Bhupendra Patel

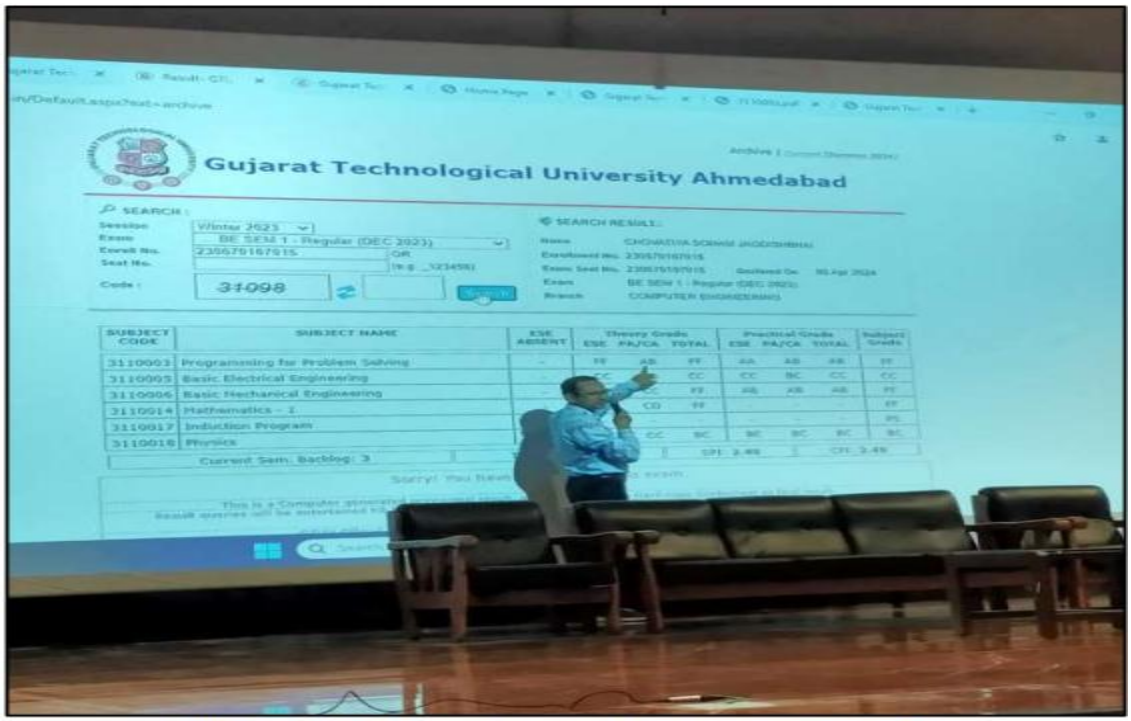
To spread awareness about the **Academic Bank of Credits (ABC)** and its role in modern education under the **National Education Policy (NEP) 2020**, an expert session was organized by the **GTU coordinator**. The session aimed to help students and faculty understand the importance, working, and benefits of the ABC system. The GTU Coordinator shared detailed insights that how students can create their ABC ID and use it throughout their academic journey.

Prior to the commencement of the session, Principal Dr. Hitesh Vandra and In-charge Principal Dr. Ajay Upadhyay extended a cordial welcome GTU Coordinators.

Welcoming GTU Coordinators

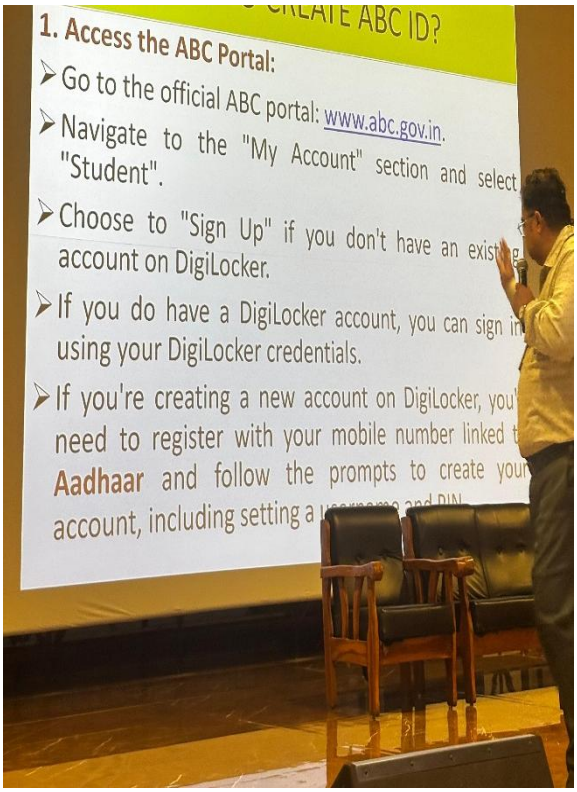
As part of the Induction Program organized at the college level, a special session was conducted by the GTU Coordinator to familiarize students with the rules, regulations, and academic framework of Gujarat Technological University (GTU). The Coordinator explained in detail the

importance of following GTU rules and maintaining discipline, along with the examination pattern followed by the university. Students were informed about the structure of internal and external examinations, the weightage of continuous evaluation, the type of questions asked, and the overall marking scheme. The syllabus for various subjects was also discussed, and students were guided on how to access it easily through the GTU website. Further, the Coordinator demonstrated the use of the GTU website portal, highlighting how students can check exam timetables, results, notices, and important circulars. Information regarding internal examinations, assignments, and practicals conducted at the college level was also provided to make students aware of the continuous assessment process. Special emphasis was given to the Unfair Means (UFM) rules, where students were made aware of the consequences of malpractice during examinations and the importance of maintaining honesty and academic integrity. The session proved to be very informative and useful as it gave students a clear understanding of GTU's functioning and expectations. Overall, the induction program session helped the students gain confidence, clarity, and awareness to begin their academic journey under GTU in a disciplined and well-prepared manner.



Mr. Bhupendra Patel demonstrating result and other online portals of GTU

The traditional education system often lacked flexibility, especially when students wanted to take a break, change institutions, or pursue different courses. With the implementation of **NEP 2020**, there was a need for a system that allows students to **store, transfer, and resume** their academic progress easily. The **Academic Bank of Credits (ABC)** was introduced to support **student mobility**, **lifelong learning**, and **flexible education**. It serves as a digital record of a student's academic achievements, helping them continue education without starting from scratch.



ABC Id creation Explanation

Outcome:- The expert session was very useful and easy to understand. The session by the GTU Coordinator was highly beneficial for the students as it provided them with complete awareness of university rules, examination patterns, syllabus, use of the GTU website. t helped the students understand their responsibilities and prepared them to begin their academic journey at GTU with confidence, discipline, and clarity.