



॥वसुधैव कुटुम्बकम्॥



Celebrating 50 Years of Excellence

SYMBIOSIS

INSTITUTE OF TECHNOLOGY, HYDERABAD

Vasudhaiv Kutumbakam

nirf 2025
24th among Universities

nirf 2025
46th among Engineering Category

NAAC A++

QS WORLD UNIVERSITY RANKINGS 2025
216 in top Universities in Asia

QS WORLD UNIVERSITY RANKINGS 2025
42nd in Southern Asia

QS WORLD UNIVERSITY RANKINGS 2025
23rd in India

THE World University Rankings 2025
451-500 BAND IN THE WORLD

THE Times Higher Education
World University Rankings 2024
351 - 400 BAND IN ASIA



INFORMATION BROCHURE

B.TECH

- ➔ Computer Science and Engineering (CSE)
- ➔ CSE - Artificial Intelligence and Machine Learning (CSE - AIML)



About Us

Symbiosis Institute of Technology, Hyderabad (SITH) is one of the best engineering colleges in Hyderabad established in 2024 inheriting splendid novelty, dynamism, and excellence in education. It is nurtured by the visionary ideas of Prof. (Dr.) S.B. Mujumdar, Chancellor Symbiosis International (Deemed University) on the principles of vedic thought '**Vasudhaiv Kutumbakam**' which means '**World as One Family**'. Symbiosis Institute of Technology, Hyderabad is a member of Symbiosis International University, Pune.

Hyderabad is one of the best places in Central India for technical engineering education, topping livability, biodiversity, public transportation, and health care indexes. SITH currently offers B. Tech Programmes in Computer Science and Engineering, CSE - Artificial Intelligence and Machine Learning, Computer Science and Technology and Computer Engineering being among the league of the best engineering colleges in Hyderabad. SITH strives to deliver high-quality technical education that meets the needs of today's competitive industry while utilizing cutting-edge technologies. The Institute's curriculum emphasizes fundamentals and current advancements. Recognizing the importance of faculty, particular efforts have been made to employ highly qualified and competent professors.



SIT Hyderabad has a "state-of-the-art infrastructure" with outstanding amenities for its students. Its pollution-free campus features plenty of open space as well as a diverse range of academic, sporting, and cultural amenities. Through systematic and effective planning and supervision of the teaching-learning process, both inside and outside the classroom, the Institute will create an atmosphere favorable to maximizing the potential of both teachers and students. Techfests, cultural programs, sports contests, industry-institute meetings, guest lectures by recognized experts, and student exchange programs with international institutions will complement the fundamental teaching learning process.

Students will be trained in liberal arts, performing arts, industrial history, human values and ethics, and offered the opportunity to qualify for a Special Diploma from SIBM and courses from other Symbiosis Institutes in order to realize the dream of Prof. (Dr.) S. B. Mujumdar, Chancellor of SIU and founder of Symbiosis, of creating Global Engineers. The Institute will encourage students to complement their regular education by completing technical projects, competing in competitions, and organizing events, among other things.



Vision and Mission

VISION

To be a centre of excellence for creation and dissemination of knowledge by imparting life skills and experiential learning for a promising future in the areas of engineering and technology.

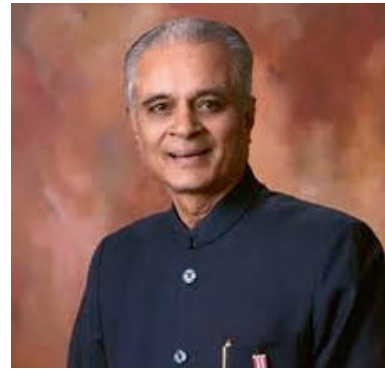
MISSION

- To promote professional ethics and experiential learning for better employability.
- To contribute towards knowledge generation and dissemination in the field of engineering.
- To address societal problems by promoting research, innovation and entrepreneurship.
- To develop global competencies amongst students by fostering value-based education.
- To strengthen industrial, Institutional, and international collaborations for synergetic relations.

LEADERSHIP AT SYMBIOSIS

The University stands at the frontiers of global innovation in academics as well as all the other components that make education whole. I invite you to peruse the extensive range of resources and opportunities that we offer to all the members of the University. From classrooms to wellness centres, the amenities are both plenty and first-rate. Most important of all, the teaching and non-teaching staff at the University combine in them the calibre and culture to help students fulfil their higher education goals.

The Chancellor



Prof. (Dr.) Shantaram Balwant Mujumdar
Chancellor, Symbiosis International
(Deemed University) & Founder And President,
Symbiosis.

Pro Chancellor



Dr. Vidya Yeravdekar
Pro Chancellor Symbiosis international
(Deemed University) & Principal Director, Symbiosis

Dr. Vidya Yeravdekar is the Principal Director of Symbiosis Society, and Pro Chancellor of Symbiosis International University. Symbiosis International University is a multidisciplinary, multinational, multicultural University having more than 45000 students from all States of India and international students from 85 countries. The Symbiosis Society not only has under its ambit the Symbiosis International University but also has K12 Schools, College of Arts and Commerce and Museums- the Afro Asian Cultural Museum and the Dr. Babasaheb Ambedkar Museum & Memorial.

Dr. Ramakrishnan Raman, an accomplished academician and seasoned professional, is the Vice Chancellor at Symbiosis International (Deemed University). With a remarkable educational journey that includes a Bachelor's Degree in Computer Science and Engineering, MBA in Systems and Marketing, and a doctoral degree in Management from Pune University. Dr. Raman brings a wealth of knowledge and expertise to this esteemed institution. His extensive career spanning over two decades is a testament to his diverse experience in the corporate, academic, and research domains.

Vice Chancellor



Dr. Ramakrishnan Raman
Vice Chancellor
Symbiosis International (Deemed University)

The Dean

Welcome to the dynamic world of engineering at SIT, where innovation is not just a goal but a way of life. At the forefront of technological advancements, we blend expertise, technology, and creativity to propel our community towards excellence. SIT stands as a centre for creativity, a beacon for learning, and a convergence point for ideas that shape the future. Our success is rooted in the unwavering commitment of our faculty members to academic rigour, groundbreaking research, and mentoring. Their dedication goes beyond the confines of classrooms, influencing the lives of our students in profound ways. Our overarching objective has always been to bring out the best in our students, moulding them into professionals with strong ethical and moral values. As you embark on your journey at SIT, you join a diverse community engaged in hands-on learning and cutting-edge research, paving the way for successful careers in business, government, or academia.

Our faculty, involved in high-impact research across various domains, including Artificial Intelligence, Cyber Security, Blockchain, Data Science, Robotics, GIS, Nanoscience, Cloud Computing, Embedded Systems, Infrastructure Design and Building Information Modelling (BIM), ensures that our students are exposed to the latest advancements in their field. Through creative instruction, hands-on projects, and involvement in various student competition teams, our undergraduates and postgraduates receive an exceptional educational experience. Industry-sponsored capstone projects and internships further foster professional ties, laying the groundwork for post-graduation success. At SIT, we strive to create an inclusive and dynamic environment where excellence in teaching, research, and service is paramount. I look forward to working with each one of you and contributing to the success and growth of our vibrant engineering community.



Prof. Ketan Kotecha, PhD (IIT Bombay)
Dean, Faculty of Engineering,
Symbiosis International (Deemed University)

The Director

It is a great pleasure and honor for me to serve as the Director Symbiosis Institute of Technology Hyderabad.

A very warm welcome to SIT Hyderabad. It is my pleasure to introduce Symbiosis institute of Technology, Hyderabad. Started in 2024, We provide quality technical education and act as a holistic place for scientific research with a mission to develop human potential to the greatest degree. SIT Hyderabad is offering Bachelor's Engineering Programs (B.Tech) specializing in Computer Science.

An institution is fundamentally shaped by its people. We are committed to recruiting exceptional individuals who will guide, mentor and support student learning and practice. Our student community, representing diverse backgrounds from around the globe, is integral to our growth and strength. Our vision is to create a dynamic, multidisciplinary institution that excels in delivering high-quality education, conducting original research and practice. This vision is the driving force behind our academic community. The institute is preparing the next generation of leaders who will carry this path forward in the years ahead.

Research undertaken at Symbiosis has gained momentum with faculty and students publishing widely in peer-reviewed journals and making their presence felt at conferences and workshops, within the country and abroad. SIT Hyderabad will continue the legacy. The Institute is committed to create an ambience for nurturing innovation, creativity and excellence within its students.

Periodic Industry-Academia Conclaves and a strong emphasis on industry internships represent a few other instances of our commitment to a strong education-industry interface. The mandate of our Career Development Centre, as the name indicates, goes far beyond coordinating campus placements.

Development of robust infrastructure is our priority, and the Institute has state-of-the-art centres and facilities for research and development in areas like High performance computing, Artificial Intelligence, data science and computational imaging.



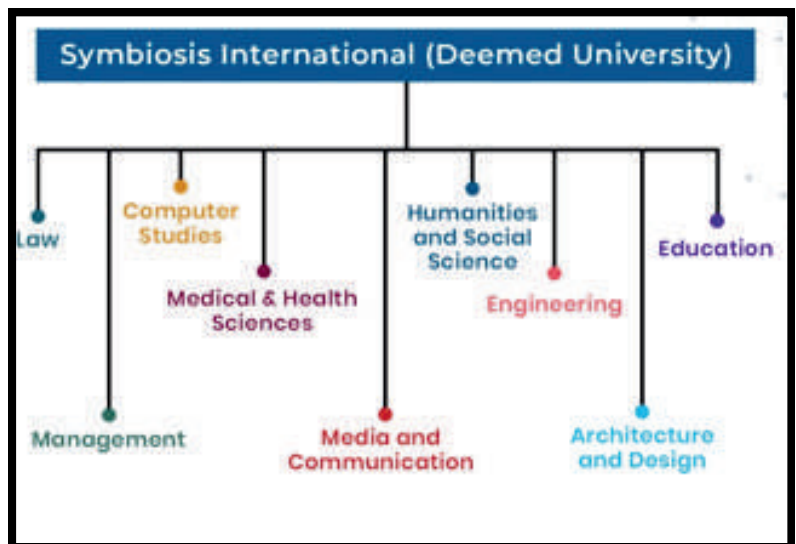
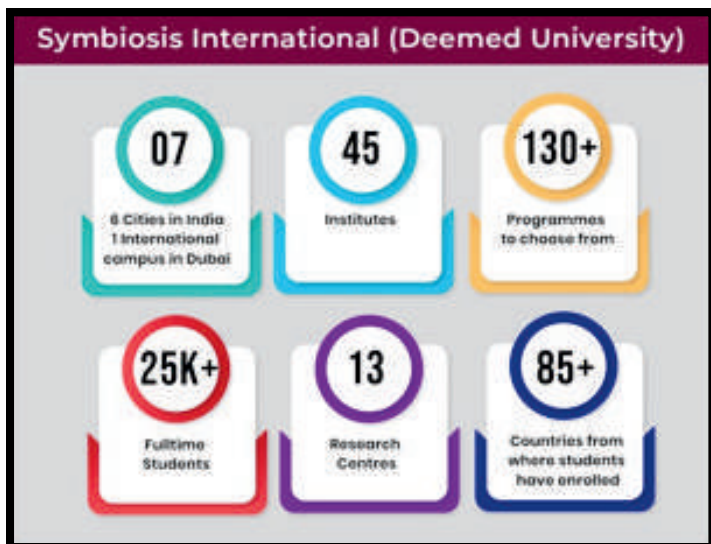
Prof. Rajanikanth Aluvalu

Director,
Symbiosis Institute of Technology, Hyderabad



About Symbiosis International (Deemed University)

- One of India's leading educational Institutions imparting quality education for over 50 years.
- Established in the year 1971 by Prof. (Dr.) S.B. Mujumdar, Founder & President, Symbiosis and Chancellor, Symbiosis International (Deemed University).





The Symbiosis Advantage

During the past 50 years, brand Symbiosis has come to stand for value-driven quality education throughout the country.

Symbiosis Institute of Technology, Hyderabad being the flagship institute of the prestigious Symbiosis International (Deemed University), has set high standards for itself.

01

Quality education in line with the requirements of today's competitive industry and rapid development in technology.

02

Provides an environment conducive for harnessing the potential of faculty and students through systematic & practical learning both within and outside the classrooms.

03

Highly qualified and experienced faculty & their continual professional growth through attending conferences & publishing research articles.

04

Employing innovative methods of teaching & providing ample opportunities for learning outside the classroom through projects, technical fests, & cultural programmes.

05

Regular revision of curriculum in line with the fast-changing need of the industry.

Programme Overview

1. COMPUTER SCIENCE AND ENGINEERING(CSE)

B. Tech (Computer Science and Engineering) is a full-time four-year Under graduation programme, which aims at transforming a student into a technically sound professional. The syllabus contains courses on basic sciences, technical arts, humanities & liberal arts and professional courses. The mix of these courses has been evolved with an aim to produce professionals who have

knowledge not only of Engineering but who are good managers to contribute in a cross-functional team and have human values. Being a professional programme, it ensures a healthy balance between theoretical foundation and practical exposure to the present world. The emphasis is to develop all round personality that would enable the students to take up the challenges of the corporate world and also become responsible citizens of the society.



• HONOR'S PROGRAMS

B.Tech CSE Honors Programs

- ★ **Data Science**
- ★ **High Performance Computing**
- ★ **IoT and Robotics**
- ★ **Game Design and Development**

Key Benefits: ...

- Deep domain knowledge in emerging technologies.
- Enhances employability and higher education prospects.
- Adds a competitive edge in placements and global opportunities.
- Exposure to project-based learning and industry-relevant skills.



A. Data Science:

Covers data analytics, statistics, machine learning, and big data tools, enabling effective analysis, visualization, and real-time project development.

B. High Performance Computing (HPC):

Focused on advanced computing, covering parallel processing, GPU programming, and clustering to solve complex real-world simulation, modeling, and AI problems.

C. IoT & Robotics:

Integrates embedded systems, sensor networks, robotics, and cloud-enabled IoT to develop intelligent systems combining smart hardware and AI software.

D. Game Design and Development

Blends creativity and technology through game design, graphics, animation, and real-time rendering using industry tools, including VR and AR.

• Dual Degree Programme

The Dual Degree Programme in Computer Science and Engineering offered jointly by Symbiosis Institute of Technology (SIT), Hyderabad and Deakin University, Australia provides students with a global academic pathway that combines advanced computing education with international exposure. This unique programme enables students to earn two degrees in one integrated journey, specialising in cutting-edge domains such as Cyber Security and Data Science. Designed to deliver world-class technical knowledge,

research opportunities, and industry-aligned skill sets; the programme offers a competitive edge in the global job market. Students benefit from a cost and time efficient structure, international learning experience, and an enhanced career advantage, preparing them to become future-ready professionals in rapidly evolving technology landscapes.



The advertisement features a red background with a white banner at the top containing the logos of Symbiosis Institute of Technology, Hyderabad and Deakin University. Below the banner, the text 'Dual Degree Program' is written in large, bold, yellow letters. To the right of the text is a small image of a white airplane flying over a red ribbon. Below the main title, a yellow box contains the text 'Symbiosis Institute of Technology, Hyderabad and Deakin University, Australia'. To the right of this box is a smiling man in a grey suit holding a laptop. Below the man, the text 'Launches Dual Degree In Computer Science and Engineering (Cyber Security | Data Science)' is written in white. Below this, the word 'HIGHLIGHTS:' is written in yellow, followed by a list of four points: '★ TWO DEGREES, ONE JOURNEY', '★ GLOBAL LEARNING EXPERIENCE', '★ UNMATCHED CAREER ADVANTAGE', and '★ COST & TIME EFFICIENT'.

2.COMPUTER SCIENCE AND ENGINEERING (ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING)

The Computer Science and Engineering (Artificial Intelligence and Machine Learning) focuses on the development and application of algorithms, data models, and systems that enable machines to learn from data and make intelligent decisions. Artificial Intelligence (AI) and Machine Learning (ML) are subfields of Computer Science that have gained immense popularity due to their transformative impact across industries.



DEPARTMENT HEADS



Dr. G. Suryanarayana

HOD, Computer Science and Engineering

Head of CSE at Symbiosis Institute of Technology, Hyderabad (SIU), holds a Ph.D. from JNTUH with over 18 years of teaching and 13 years of research experience. He has published 56 SCIE/Scopus papers, authored three books, and holds six patents and two copyrights. A Senior Member of IEEE and IAENG, he is an active reviewer for international journals. His research interests include Data Science, AI, and Big Data Analytics.



Dr Kranthi Kumar Singamaneni

HOD, CSE - Artificial Intelligence and
Machine Learning

An accomplished academician and researcher with a Ph.D. in Quantum Computing and Applied Cryptography, currently serving as Associate Professor and Head of CSE (AI & ML) at Symbiosis Institute of Technology, Hyderabad. Also an Affiliate Professor and Founding Member at the University of Digital and AI Management, USA. Brings 18+ years of academic, research, and industry experience, including work at IBM, with expertise in quantum security, enterprise systems, and AI-driven solutions. Has 35+ publications, 12 patents, and is a Senior IEEE member frequently invited as a keynote speaker at leading institutions.



Dr. Akash Sharma

HOD, Freshman Engineering

Head of Freshman Engineering at Symbiosis Institute of Technology, Hyderabad (SIU), holds a PhD in Physics from IIT Dhanbad. With eight years of teaching and research experience and 23 publications, he is committed to academic excellence and advancing innovative scientific inquiry in his field.

Faculty of CSE & AIML



Prof. Rajanikanth Aluvalu

Professor

Research Interests & Expertise:

Broad areas:

- Cloud Computing
- Artificial Intelligence

Specific areas:

- Explainable AI
- Private AI
- Autonomous Systems



Dr. G Suryanarayana

Associate Professor

Research Interests & Expertise:

Broad areas:

- Data Science
- Artificial Intelligence
- Big Data Analytics

Specific areas:

- Model Building & Evaluation
- Natural Language Processing (NLP)
- AI-Assisted Decision Making
- Real-Time Data Analysis
- Predictive Analytics

Research Interests & Expertise:

Broad areas:

- Quantum Computing
- Cybersecurity
- Data Privacy

Specific areas:

- Quantum Cryptography and Quantum-Resistant Algorithms
- Attribute-Based Encryption (ABE) for Secure Data Exchange
- Secure Communication Protocols for IoT and Cloud Environments



Dr. Kranthi Kumar S

Associate Professor

Research Interests & Expertise:

Broad areas:

- Deep Learning and Neural Networks
- Smart Cities and Smart Homes, Industrial IoT (IIoT)
- IoT Security and Privacy
- Edge Computing

Specific areas:

- Energy-efficient Communication Protocols for IoT
- Interoperable IoT Architectures Using Open Standards
- Anomaly Detection in Sensor Data using ML



Dr. S Rama Subbareddy

Associate Professor

Research Interests & Expertise:



Dr. S Rakesh
Assistant Professor

Broad areas:

- Machine Learning, Deep Learning
- Healthcare Data Analytics

Specific areas:

- Explainable AI
- Generative AI
- Medical Image Analysis
- Smart Cities

Research Interests & Expertise:



Dr. Kiran S
Assistant Professor

Broad areas:

- Internet of Things
- Artificial Intelligence
- Edge and Fog Computing

Specific areas:

- AI-based predictive analytics for Industrial IoT
- Real-time sensor data processing at the edge
- Intelligent energy management in IoT networks
- Low-latency decision-making using fog computing
- Security and privacy in distributed IoT systems

Research Interests & Expertise:



Dr. Sriram Kumar P
Assistant Professor

Broad areas:

- Artificial Intelligence
- Computational Neuroscience
- Affective computing

Specific areas:

- Machine learning
- Deep Learning
- Emotion recognition

Research Interests & Expertise:



Dr. M. Santhosh Kumar

Assistant Professor

Broad areas:

- Machine Learning
- Deep Learning
- Reinforcement Learning

Specific areas:

- Smart Grids
- Islanding Detection
- Medical Image Analysis
- Predictive Maintenance
- Battery Management Systems

Research Interests & Expertise:



Mr. P Narsimhulu

Assistant Professor

Broad areas:

- Computer Networks
- Cyber Security
- Internet of Things.

Specific areas:

- Healthcare Internet of IoV
- Routing optimization.

Research Interests & Expertise:



Mr. Sai Prashanth M

Assistant Professor

Broad areas:

- Smart Contracts & Decentralized Applications, Conversational AI
- Network Security
- Cloud & IoT Security, Generative Models (GANs, Diffusion)

Specific areas:

- Neuromorphic computing
- AI in healthcare, AI for robotics & autonomous systems
- self-supervised learning, AI in finance & risk analysis

Faculty of Electronics Engineering

Research Interests & Expertise:



Dr. Dhruba Jyoti Bora
Assistant Professor

Broad areas:

- Biomedical Engineering
- Control Engineering

Specific areas:

- Transdermal Drug Delivery
- Electrical Equivalent Model
- Sensor Integration

Faculty of Applied Sciences and Humanities

Research Interests & Expertise:



Dr. Shshank Chaube
Assistant Professor,
Mathematics

Broad areas:

- Soft computing
- Reliability Theory

Specific areas:

- Fuzzy set theory
- Fuzzy reliability
- Decision making

Research Interests & Expertise:



Dr. Mohmad Ausif Padder
Assistant Professor,
Mathematics

Broad areas:

- Calculus
- Analysis
- Algebra

Specific areas:

- Mathematical Modelling
- Differential Equations
- Biological Systems



Dr. Akash Sharma

Assistant Professor,
Physics

Research Interests & Expertise:

Broad areas:

- Physics
- Material Science
- Energy Materials

Specific areas:

- Solar cell (theoretical & experimental)
- Photoelectrochemical Cell
- Nanomaterials
- Hydrogen evolution and storage



Dr. Amulya Prasad Panda

Assistant Professor,
Chemistry

Research Interests & Expertise:

Broad areas:

- Nanomaterials
- Water & Wastewater Treatment
- Polymer composites
- Surface Chemistry
- Adsorption

Specific areas:

- Remediation of heavy metals and metalloid
- Core-shell NPs
- Kinetics & Isotherm
- Groundwater Purification
- Nanocatalysts



Dr. P. V. Vinitha

Assistant Professor,
English

Research Interests & Expertise:

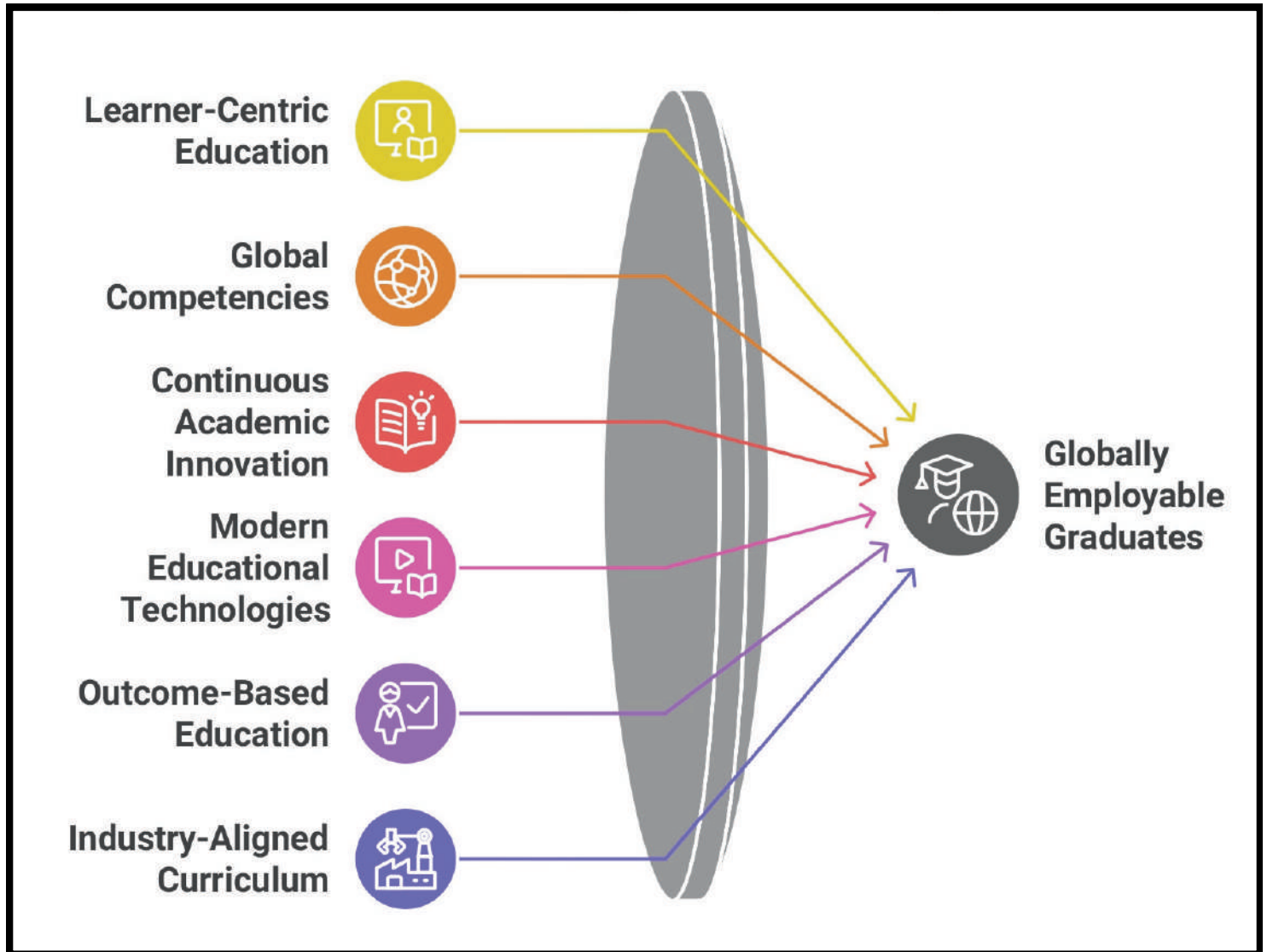
Broad areas:

- English Language Teaching
- Indian English Literature
- Indian Diaspora Literature
- Soft Skills

Specific areas:

- English for Communication
- Professional Communication Skills
- Indian Diaspora Literature
- Soft Skills Training

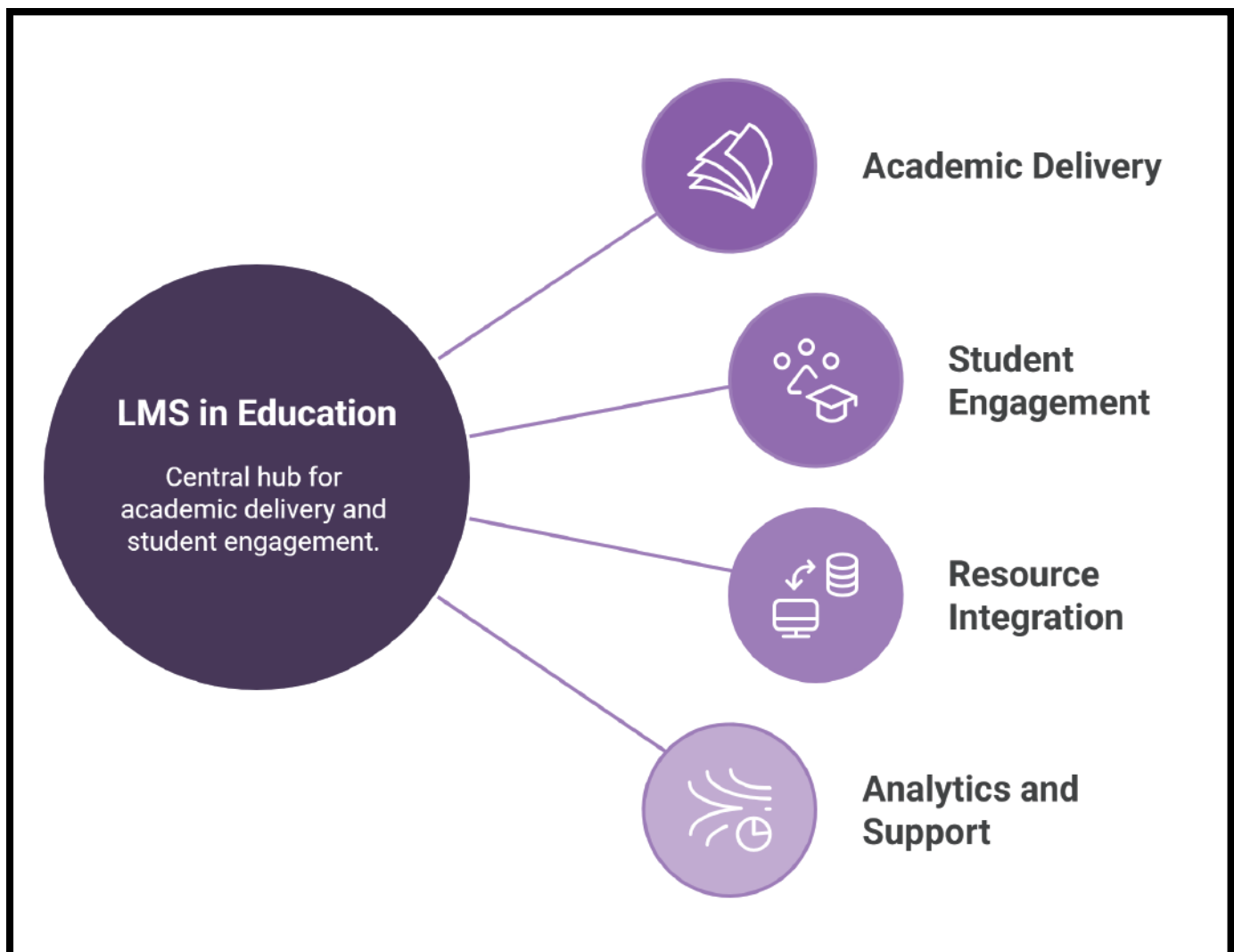
Teaching and Learning



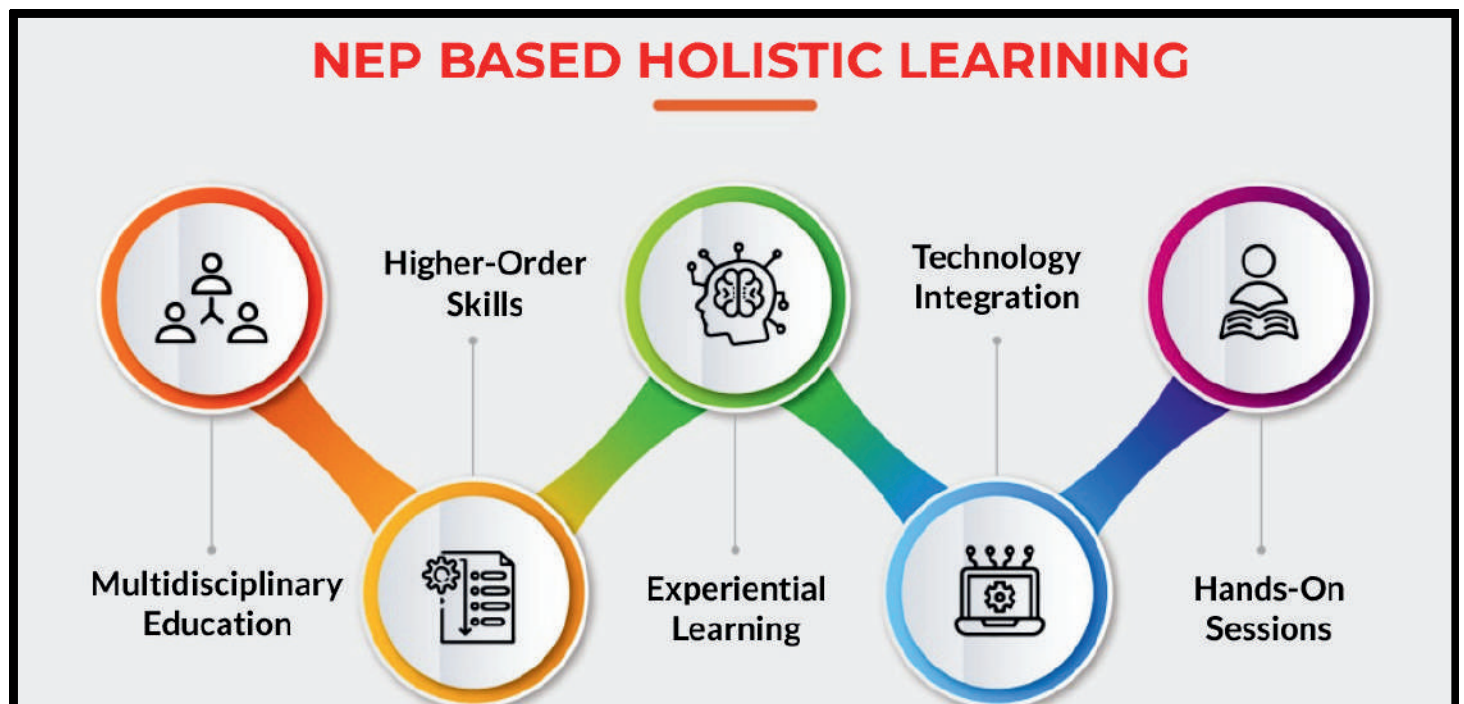
Teaching and Learning at Symbiosis Institute of Technology (SIT), Hyderabad Campus, embodies the philosophy of Symbiosis International (Deemed University) that emphasizes learner-centric education, global competencies, and continuous academic innovation. The institute adopts a holistic pedagogical framework integrating modern educational technologies, Outcome-Based Education (OBE), multidisciplinary learning, and experiential approaches aligned with the National Education Policy (NEP) 2020. Through a blend of structured classroom teaching, hands-on learning, digital platforms, and industry-aligned curriculum, SIT nurtures graduates equipped with technical excellence, problem-solving skills, and global employability.

LEARNING MANAGEMENT SYSTEM (LMS) AND DIGITAL ACADEMIC SUPPORT

SIT Hyderabad employs a robust Learning Management System (LMS) that serves as the central hub for academic delivery and student engagement. The LMS enables seamless dissemination of lecture materials, announcements, assessments, rubrics, and feedback, ensuring transparency and continuity in the teaching-learning process. Faculty members leverage LMS tools such as discussion forums, quizzes, surveys, and assignment modules to promote active learning. The LMS also integrates digital repositories, e-content, recorded lectures, and links to online learning resources, enabling students to personalize their learning pace and deepen conceptual understanding. Continuous monitoring through analytics helps faculty identify learning gaps and provide targeted academic support.



FLEXI CREDIT COURSES AND MULTIDISCIPLINARY LEARNING



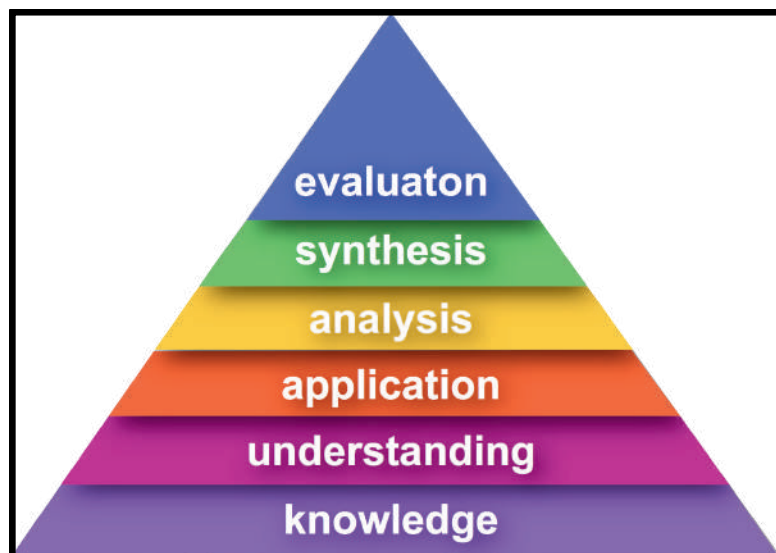
Aligned with NEP 2020's emphasis on academic flexibility, SIT Hyderabad offers FLEXI Credit Courses that allow students to design their own learning pathways. These courses enable learners to pursue subjects beyond their core discipline—ranging from emerging technologies to humanities, languages, entrepreneurship, and skill-based modules. Students can choose from university-approved baskets of interdisciplinary courses, thereby enriching their academic profile and preparing them for diverse career trajectories including research, higher education, and industry roles. FLEXI credits also promote student autonomy and encourage exploration in frontier domains such as AI, Cybersecurity, Robotics, Sustainability, and Digital Humanities.

OUTCOME-BASED EDUCATION (OBE) FRAMEWORK

SIT Hyderabad follows a comprehensive Outcome-Based Education (OBE) framework, ensuring that all academic activities—from curriculum design to assessment—are aligned with clearly defined Programme Outcomes (POs), Course Outcomes (COs), and Programme Specific Outcomes (PSOs). Faculty members develop course plans, CO-PO mappings, instructional strategies, and assessment tools based on OBE principles. Regular measurement

of outcomes through direct and indirect assessment methods, including continuous evaluation, projects, and laboratory performance, ensures quality enhancement and continuous improvement.

OBE implementation strengthens accreditation readiness (NBA/NAAC), promotes transparency in academic processes, and ensures that SIT graduates meet global standards in knowledge, skills, and attitudes.



INTEGRATION OF NEP 2020 IN CURRICULUM AND PEDAGOGY

SIT Hyderabad is actively integrating National Education Policy (NEP) 2020 recommendations into its academic structure. Key initiatives include:

- Flexible and holistic curriculum with multidisciplinary learning opportunities.
- Skill-based education through value-added courses and industry-oriented certifications.
- Multiple entry-exit options as guided by SIU policy frameworks.
- Emphasis on research, innovation, and entrepreneurship.
- Use of technology-enhanced learning to support personalized and experiential learning.

The NEP-aligned approach promotes creativity, critical thinking, innovation, and lifelong learning abilities among students.

LANGUAGE LAB AND INTERNATIONAL LANGUAGE OFFERINGS

To nurture global competencies, SIT Hyderabad offers training in international languages such as German, French, and Spanish, enabling students to enhance intercultural communication skills, pursue overseas opportunities, and engage more effectively in global workplaces.

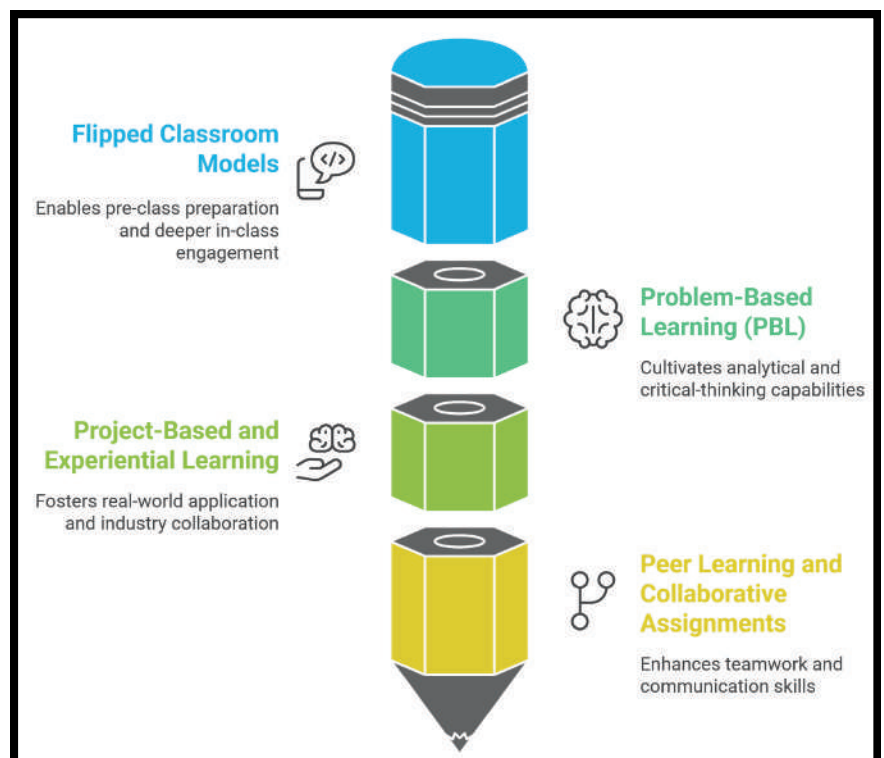


The state-of-the-art Language Lab supports immersive learning through audio-visual resources, pronunciation practice, interactive software tools, and individualized feedback. Language training strengthens students' employability, especially in multinational companies and international academic programs.

TEACHING-LEARNING INNOVATIONS AND EXPERIENTIAL PEDAGOGY

SIT Hyderabad emphasizes innovative pedagogical practices that go beyond traditional lectures. Faculty adopt methods such as:

- Flipped classroom models enabling pre-class preparation and deeper in-class engagement.
- Problem-based learning (PBL) to cultivate analytical and critical-thinking capabilities.
- Project-based and experiential learning through real-world case studies, lab work, and industry collaboration.



- Peer learning and collaborative assignments to enhance teamwork and communication.

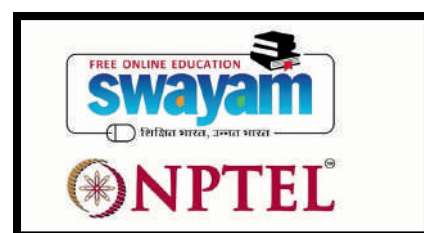
These methods foster active participation, creativity, and ownership of learning among students.

ONLINE LEARNING PLATFORMS:

SIT Hyderabad encourages students to supplement formal learning with global online platforms.

NPTEL (IIT-IISc Initiative)

Students actively take NPTEL courses to strengthen concepts in programming, machine learning, data structures, electronics, communication systems, and soft skills. Faculty members mentor students through the NPTEL Local Chapter, and credits can be mapped to FLEXI courses wherever applicable.



Infosys Springboard

Infosys Springboard offerings expose students to industry-aligned content, including emerging technologies, corporate readiness skills, and hands-on modules. SIT encourages students to complete Springboard certifications that complement classroom learning.



Coursera for Campus

Through Coursera, students access global university courses in AI, Data Science, Cloud Computing, Cybersecurity, Project Management, and Digital Transformation. These certifications enhance employability and help students stay aligned with global technological advancements.



Faculty also incorporate MOOCs selectively into their teaching plans to broaden learner exposure and support blended learning.

CONTINUOUS IMPROVEMENT AND FACULTY DEVELOPMENT

Faculty members regularly participate in workshops, FDPs, NEP/OBE training programs, pedagogical seminars, and technical courses offered by STLRC (SIU), NPTEL, AICTE, and other institutions. SIT promotes a culture of reflective teaching, peer observation, mentoring, and outcome-focused academic practice.

Frequent curriculum reviews, student feedback, result analysis, and academic audits ensure quality enhancement in teaching and learning processes.

International Initiatives

Global Education • High-Impact Learning • International Careers

Symbiosis Institute of Technology (SIT), Hyderabad strongly believes that education and research transcend borders. Its internationalization initiative is designed to give students a global academic experience, exposure to world-class research, and pathways toward thriving international careers.

Global Education • High-Impact Learning • International Careers

SIT Hyderabad offers premium 4-year Dual Degree Programs in collaboration with **Deakin University, Australia:**

- B.Tech CSE (Data Science Specialization) → Bachelor of Data Science (Honors)
- B.Tech CSE (Cyber Security Specialization) → Bachelor of Cyber Security (Honors)

Program Structure

- Years 1 & 2: Study at Symbiosis Institute of Technology, Hyderabad
- Years 3 & 4: Study at Deakin University, Australia
- Graduates earn:
 - A 4-year B.Tech from Symbiosis (with Recognition of Prior Learning at Deakin)
 - A Bachelor's degree from Deakin University in the chosen specialization

Key Benefits

- Two International Degrees from leading institutions
- Post-study work rights in Australia (typically 2 years)
- Potential pathways for Master's programs at Deakin
- Significant boost to career prospects and employability
- Exposure to renowned global researchers

Global Immersion Programmes

- Summer Schools
- Winter Schools
- Global Academic Internships
- Study Tours
- Semester Abroad Programmes

Bridging Cultures Through Global Languages

In an increasingly interconnected world, linguistic proficiency is a gateway to international opportunities. To complement our global academic pathways, we offer specialized training in **French, German, and Spanish.** These courses are designed not just for communication, but to provide students with a competitive edge in the global job market, enabling them to navigate diverse cultural landscapes with confidence and ease.

International Students at SITH



Sulakshya Bastola
CSE (AIML), 2025 - 29
Nepal



Aden Zakariye Abdilahi
CSE, 2025 - 29
Somalia

Global Academic Mobility (Faculty and Students)



Prof. Rajanikanth Aluvalu

Director SIT Hyderabad

Student/Young Professional/Women in Engineering

Sri Lanka

26th Sept, 2025



Mr. M Sai Prashanth

Assistant Professor

IEEE COMSOC

Taiwan

8th Dec to 12th Dec, 2025



Mr. M Sai Prashanth

Assistant Professor

IEEE TENCON

Malaysia

27th Oct to 30th Oct, 2025



Sujoy Indupuru

(CSE 2024-28)

IES Student Young Professional

Congress 2025

Tunisia

15th Aug to 17th Aug, 2025



Anirudh Pratap Singh Yadav

(AIML 2024-28)

102nd Vehicular Technology Conference in

Chengdu, China.

19th Oct 2025



K. Ghana Sai Reddy

(AIML 2024-28)

International Microwave Symposium

IMS 2025 Student Ambassador

San Francisco, California, USA

14th June to 16th June 2025



K. Ghana Sai Reddy (AIML 2024-28), Sri Charan (AIML 2024-28), Anwitha (AIML 2025-29), Tanishq Singh (CSE 2025-29)



IEEE COMSOC Taiwan

8th Dec to 11th Dec, 2025



Global Engagement at SIT Hyderabad

The institute regularly hosts:

- International faculty
- Collaborative research visitors
- Global academic interactions
- Exchange & partnership programs



Marcello Luiz Rodrigues de Campos, Brazil
IEEE Synergy Summit, SIT Hyderabad



Samuel Pinilla, UK
IEEE Synergy Summit, SIT Hyderabad



Alex Waibel, USA
IEEE Synergy Summit, SIT Hyderabad

Special Diploma in Business Management (SIBM)

SIT Hyderabad, under Symbiosis International (Deemed University), offers a 20-credit Special Diploma in Business Management designed to strengthen the managerial and entrepreneurial competencies of engineering students. Introduced in the V semester, this diploma provides a strategic blend of foundational business knowledge covering marketing, finance, operations, human resource management, business communication, and organizational behavior. The program is academically supported and enriched through expertise from Symbiosis Institute of Business Management, Hyderabad (SIBMH), ensuring strong industry-aligned business perspectives.

By integrating core business principles with technical education, the diploma enables students to develop a holistic understanding of how modern technology-driven organizations operate and compete in global markets. This diploma is particularly valuable for students aspiring to leadership roles, higher studies in management, or entrepreneurial ventures. Delivered through case studies, practical assignments, project work, and experiential learning components, the program enhances strategic thinking, decision-making, and problem-solving skills. Aligned with SIT Hyderabad's vision of producing techno-functional graduates, the Special Diploma in Business Management—supported by SIBM Hyderabad—empowers learners to bridge engineering expertise with managerial excellence, thereby significantly enhancing their employability and professional readiness.

Service Learning

ABOUT SERVICE LEARNING



Symbiosis International (Deemed University) (SIU) is committed to delivering holistic and industry-relevant education to students across disciplines. As part of its vision to shape socially responsible citizens, SIT Hyderabad actively integrates service learning into its academic framework, encouraging students to contribute meaningfully to society beyond the classroom.

Service learning is an experiential and reflective pedagogy that blends academic instruction with purposeful community engagement. It enables students—especially undergraduates—to apply their learning in real-world contexts through outreach activities, humanitarian social service, and involvement in various social cause initiatives. This not only enriches academic understanding but also instills values of empathy, civic responsibility, and sustainable community impact.

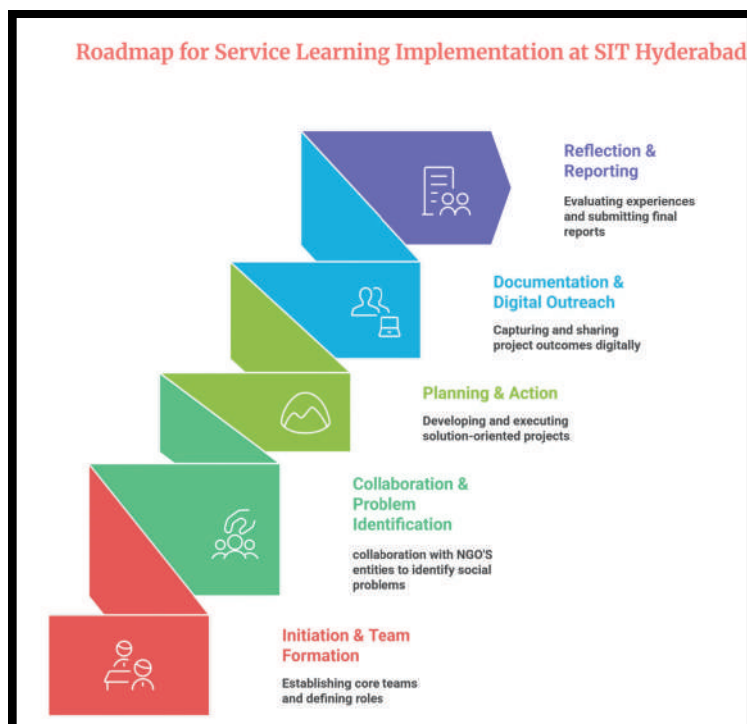
Through this initiative, SIT Hyderabad strives to foster social change by preparing students to become compassionate problem-solvers and active contributors to societal development.

OBJECTIVE

To embed experiential learning with community engagement by empowering students to address real-world social issues through structured collaboration, innovation, and outreach.

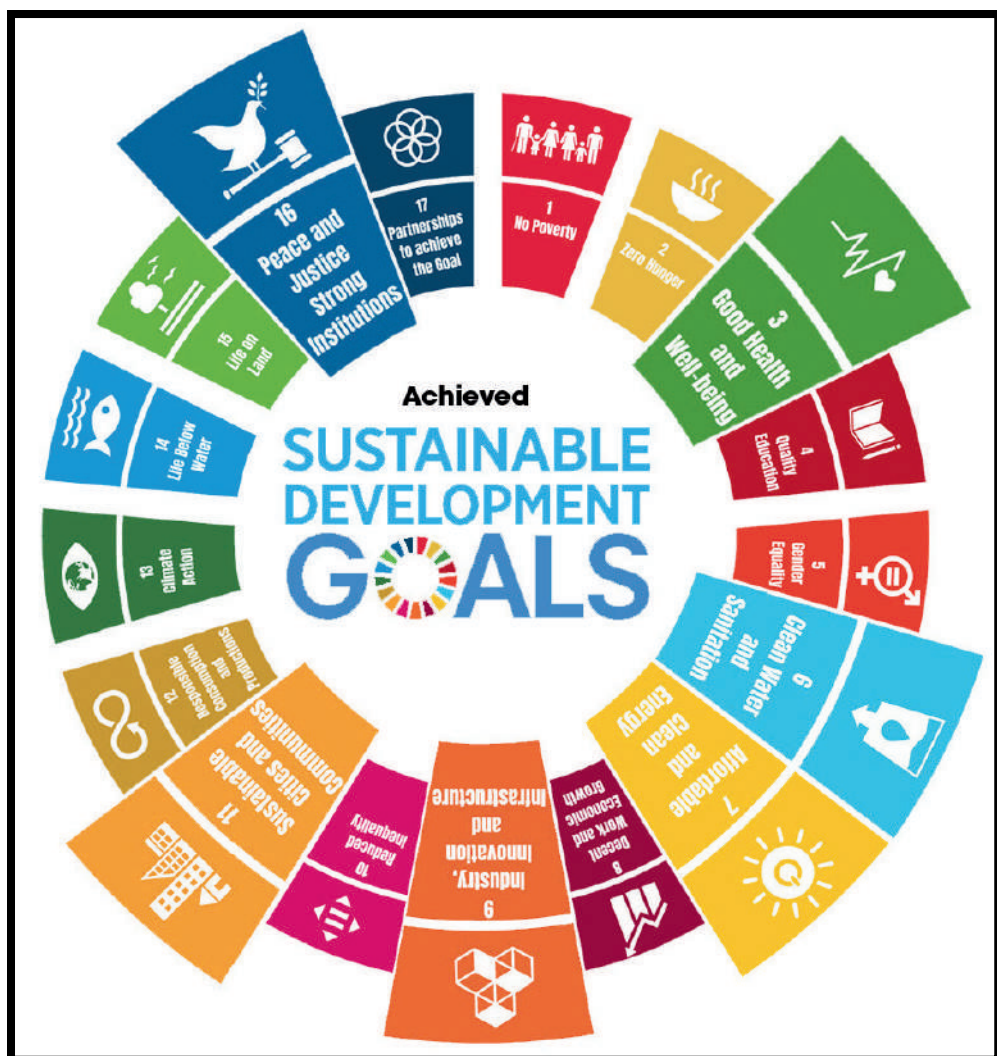
EXPECTED OUTCOMES

1. Holistic student development through real-world problem solving
2. Strengthened community-academic collaboration
3. Enhanced visibility of SIT Hyderabad's commitment to social responsibility
4. Scalable model for future interdisciplinary service learning initiatives



Research

SIT Hyderabad fosters a vibrant and forward-looking research ecosystem driven by innovation, interdisciplinary collaboration, and societal relevance. The Institute actively promotes research across emerging domains, including Artificial Intelligence, Machine Learning, IoT, Wireless Sensor Networks, Quantum Computing, Edge Computing, Cloud Computing, and Sustainable Technologies. This ecosystem is supported by substantial research grants, externally funded projects, and strong collaborations with industry, research organizations, and professional bodies.



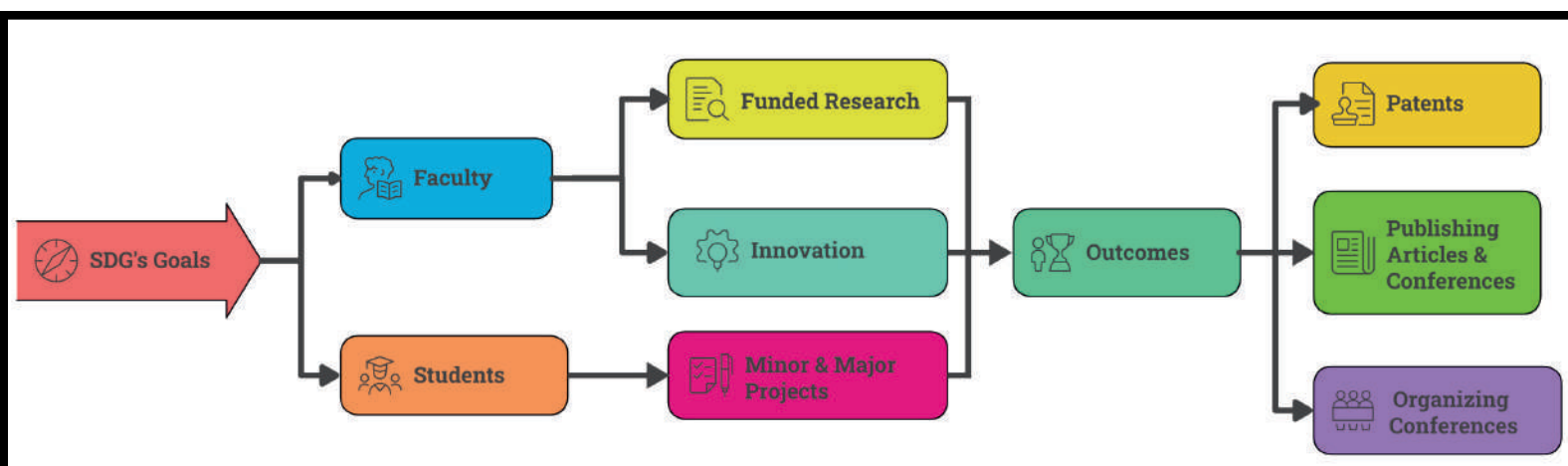
Students are actively engaged in the research ecosystem through funded mini-projects, final-year capstone projects, research internships, scholarly publications, prototype development, hackathons, and innovation challenges. Student projects are increasingly exploring quantum computing concepts, such as quantum-inspired optimization, quantum cryptography, and quantum-enhanced machine learning, alongside applications in AI, IoT, and edge computing. These initiatives have resulted in a growing number of student-led patents, prototypes, and technical publications.

Faculty members and research scholars consistently produce high-quality research outputs, including journal publications, conference papers, books, patents, and technology prototypes, demonstrating sustained academic leadership. A progressive research culture is enabled through structured mentorship programs, dedicated research cells, Centers of Excellence, and state-of-the-art laboratories, including advanced computing and simulation facilities that support emerging areas such as quantum algorithms, quantum security, and hybrid classical-quantum systems.

A significant number of student projects are explicitly aligned with the United Nations Sustainable Development Goals (SDGs). Research initiatives address **SDG 3** (Good Health and Well-Being) through healthcare analytics, medical IoT, and quantum-assisted data analysis; **SDG 9** (Industry, Innovation, and Infrastructure) through intelligent systems, optimization algorithms, and quantum-enabled secure communication; **SDG 11** (Sustainable Cities and Communities) via smart city and transportation solutions; and **SDG 7** (Affordable and Clean Energy); **SDG 6** Clean Water and Sanitation – The full mission statement is (Ensure availability and sustainable management of water and sanitation for all); **SDG 16** Peace, Justice and Strong Institutions – The full mission statement is (Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels); through energy-efficient computing and optimization-based resource management. This alignment ensures measurable societal impact through student-driven research.

The Institute's outcome-based curriculum is systematically designed to align with SDGs through interdisciplinary courses, laboratory components, project-based learning, and experiential education. Core and elective courses integrate sustainability, healthcare technologies, energy efficiency, AI, IoT, quantum computing fundamentals, and advanced computing paradigms. Students are encouraged to apply these concepts to solve real-world problems, ensuring that curriculum outcomes map directly to SDG-driven objectives and global challenges.

The Institute receives consistent academic and seed funding support from various IEEE chapters, facilitating conferences, workshops, faculty development programs, and student research initiatives in emerging technologies, including quantum computing and advanced intelligent systems. SIT Hyderabad's Ph.D. program further strengthens the research ecosystem, with doctoral scholars working on cutting-edge problems such as quantum optimization, quantum security, and AI-quantum convergence, aligned with national priorities and global SDG targets.

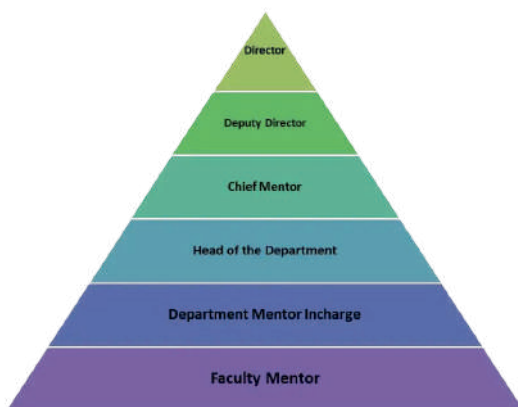


Mentoring Cell

- Each faculty is assigned 10–15 students for personalized mentoring.
- Regular mentor-mentee interactions conducted weekly to track progress.
- Academic performance monitoring and timely guidance for improvement.
- Attendance tracking and counselling for irregular students.
- Career guidance and goal setting based on students' interests and strengths.
- Soft skills, communication, and personality development support sessions.
- Emotional and stress management counselling for overall well-being.
- Parent communication for continuous student progress updates.
- Integration with Training & Placement Cell for career readiness.
- Comprehensive documentation of mentoring reports and action plans.

The Mentorship at SIT is to support the mentees in academics, competency and personal level for their holistic development. This includes the role of mentor as observing, discussing, finding, suggesting and listening to the learnings and challenges experienced by the mentee. The challenges related to academics are bridged by the mentor by discussing with the related faculty colleagues, suggesting proper resources and the personal challenges are dealt with relevant solutions with help of Symbiosis Center of Emotional Wellbeing and other Psychologists.

MENTORING PROCESS:



The structure of Mentoring Cell at SIT

- At the start of the academic year, the Chief Mentor will allocate the mentors for the First year.
- These mentors will be forwarded to the department from the second year where mentors from Applied Science department will be replaced by faculty of the department.
- Department faculty will be assigned as mentor-in-charge to the relevant classes during the first year.
- Chief Mentor will conduct a meeting at the start of the academic year to brief about the mentoring process.
- The Chief Mentor will conduct one or two meetings in a semester with all the mentors to monitor and review the mentoring.

- The Mentor in-charge will submit a monthly report of mentoring to their HoD as well as the Chief Mentor.
- Mentors are expected to meet their mentee weekly or at least once in two weeks and maintain record of the meeting.
- Every faculty mentor can assign two students (student mentors) to help them with mentoring. They can select the student mentors on their own keeping the Chief mentor in the loop.
- A student with active backlog should not be appointed as a student mentor.
- Chief Mentor will give a report of mentoring to the Deputy Director and Director as and when required

ROLE OF MENTOR:

Mentoring is to support and encourage students to manage their own learning in order that they may maximize their potential, develop their skills, improve their performance and become the person they want to be. To take care of student's academic performance and to help them for their better career, mentors will interact with them frequently and try to solve their problems and encourage them to achieve their goals. Some senior student mentors will be there to assist faculty mentor for smooth mentoring.



Student Council of SIT



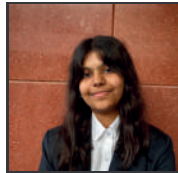
The newly appointed Student Council, officially inaugurated on October 23rd, 2025, is here to represent the diverse voices of our student body. This council is dedicated to driving initiatives that foster collaboration and enhance our school spirit.



President
KARYAMPUDI
VENKATESH



VICE-PRESIDENT (INNOVATION)
**PRESIDENT-ENTREPRENEURSHIP &
STARTUP CELL**
VINAY CHAKRAVARTHY ADDANKI



**VICE-PRESIDENT
(ACADEMIC)**
ANVI TRIVEDI



**VICE-PRESIDENT (WELFARE
& ENGAGEMENT)**
Mohd. REHAN



**SECRETARY CHAIR,
INTERNET SOCIETY**
MEENAKSHI VEDALA



TREASURER
ANCHA SREESAINADH



CHAIR, IEEE SB
PVL SRUJANA



**SPOC-GRIEVANCE REDRESSAL
COMMITTEE**
RIYA SHASTRI



**PRESIDENT-TRAINING &
PLACEMENT CELL**
K SRICHARAN RAO



**Editor - SIT NEWSLETTER
COMMITTEE**
SAANVI DANDE



CHAIR - ACM SBC
MOKSHITA



**PRESIDENT-
MICROSOFT
INNOVATION LAB**
SARANYA VENNA



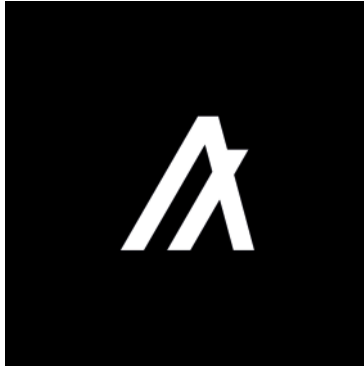
**HEAD-ACADEMICS &
RESEARCH COMMITTEE**
ANWITA RUDRAVARAM

Student Clubs

Student clubs at SIT are set to provide valuable opportunities for students to connect, collaborate, and explore their interests. From arts and culture to academic and community service initiatives, there's something for everyone.



ABHYASA
(health and wellness
Club)



Algorand Blockchain Club



EXCIPIO
(Photography Club)



BUILDHOPE
(NSS & Social Service
Club)



PRATIBHA
(Cultural Club)



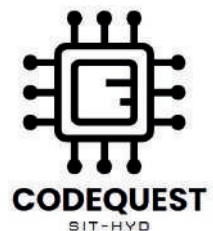
Developer Student Club



INNOVATORS INC
(Innovations & Startups
Club)



INKFLUENCERS
(Literature & Media Club)



CODEQUEST
(AI & Hackathon Club)

Achievements

THE PAPER TITLED "SIMULATING INDUSTRIAL IOT SENSOR DATA STREAMS USING OPC-UA FOR REAL-TIME ANALYTICS IN CEMENT PLANT DIGITAL TWINS" ACCEPTED TO PRESENT AT (IEEE PES ASIA 2025)



-Mr.Anirudh Pratap Singh Yadav

THE PAPER TITLED "SEATORCH : AI-DRIVEN DEEP LEARNING MODEL FOR MIGRATION PATTERN PREDICTION WITH BILINGUAL FORECASTING SUPPORT FOR SUSTAINABLE FISHERIES" ACCEPTED TO PRESENT AT IEEE GCWCN 2025



- Ms. Saanvi Daande & Ms. Lakshmi Srujana

THE PAPER TITLED “VIRTUAL MARKET: AN INCLUSIVE E-COMMERCE PLATFORM LEVERAGING VIDEO COMMERCE AND AI-DRIVEN MULTILINGUAL INTERACTION” ACCEPTED TO PRESENT AT IEEE GCWCN 2025



- Ms. Riya Shastri & Ms. Meenakshi Vedala

THE PAPER TITLED BIOMUSE - LIVING ART AND WELLNESS: A FUSION OF TECHNOLOGY & BIO-ART FOR SUSTAINABILITY AND IDENTITY ACCEPTED TO PRESENT AT IEEE GCWCN 2025



Ms. Rohini Sengupta

**THE PAPER TITLED "DESIGN & EVALUATION OF AN
ANONYMOUS MENTAL HEALTH APPLICATION FOR
COLLEGE STUDENTS" ACCEPTED TO PRESENT AT IEEE
DASA 2025, BAHRAIN**



Ms. Hasini Kurikala & Ms. Mokshitha VP

**THE PAPER TITLED "SIGN LANGUAGE RECOGNITION USING ARTIFICIAL
INTELLIGENCE AND MACHINE LEARNING" ACCEPTED TO PRESENT AT IEEE
GCWCN 2025**



Mr. Md Meraj Ansari

Anwita Rudravaram (CSE AIML, 1st Year) - Attended the Bangalore FWNW Conference, actively participating in Lightning Talks and Poster Presentations, showcasing creativity and technical communication skills.



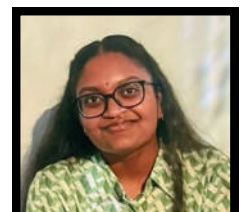
Mannan (CSE, 1st Year) - Participated in the Bangalore FWNW Conference, engaging in Lightning Talks and Poster Presentations, demonstrating early academic enthusiasm and effective idea presentation.



Deepti Sanvy (CSE, 1st Year) - Took part in Lightning Talks and Poster Presentations at the Bangalore FWNW Conference, highlighting her interest in research and technical communication.



Chetana Rao (CSE AIML, 1st Year) - Actively participated in Lightning Talks and Poster Presentations at the Bangalore FWNW Conference, reflecting creativity and strong presentation skills.



Saanvi Dande (CSE, 1st Year) - Attended the Bangalore FWNW Conference, contributing to Lightning Talks and Poster Presentations, demonstrating engagement in academic and professional forums.



Subhanan (CSE, 1st Year) - Participated in Lightning Talks and Poster Presentations at the Bangalore FWNW Conference, showcasing enthusiasm for technical learning and idea sharing.



Tanishq (CSE, 1st Year) - Engaged in Lightning Talks and Poster Presentations at the Bangalore FWNW Conference, highlighting creativity, research interest, and effective communication skills.



At the prestigious IEEE Communications Society (COMSoc) FNWF 2025 event held on 11th November 2025 in Bengaluru, students from Symbiosis Institute of Technology, Hyderabad showcased remarkable innovation and talent. While Sanvy achieved second place, accompanied by a USD 500 grant. The event celebrated the spirit of innovation, recognizing young minds who are driving the future of communication technologies through their ideas and excellence.



ANWITA RUDRAVARAM SECURED FIRST PLACE IN THE LIGHTNING TALK COMPETITION AND WAS AWARDED A GRANT OF USD 1000,



TANISHQ IMPRESSED THE JUDGES WITH OUTSTANDING CREATIVITY, CLAIMING FIRST PRIZE AND A USD 1000 GRANT



SANVY ACHIEVED SECOND PLACE IN LIGHTNING TALK ACCOMPANIED BY A USD 500 GRANT.

I received an international IEEE travel grant to attend a prestigious IEEE conference in the USA. This grant supported my participation in technical sessions, workshops, and networking events with global researchers and professionals. It also gave me the opportunity to interact with experts whose work I have closely followed and admired.

During the conference, I gained exposure to the latest advancements in AI, communications, and emerging technologies, while proudly representing SIT Hyderabad on an international platform. This experience not only strengthened my technical understanding but also broadened my outlook on global research trends and collaborative innovation. I believe this achievement reflects my commitment to research, leadership, and active involvement in IEEE student communities, motivating me to continue contributing to impactful projects and initiative .

-Ghana Sai Reddy Kodumuru, AIML student at SIT Hyderabad



I had the opportunity to attend the IEEE Industrial Electronics Society Students and Young Professionals (IES SYP) Congress 2025, held from 15-17 August 2025. The three-day event offered an enriching blend of workshops, keynote talks, industrial visits, panel discussions, poster presentations, and cultural activities. Day 1 began with the Opening Ceremony and a panel discussion titled From the First Steps to Lifelong Impact, where distinguished IEEE leaders shared their professional and volunteering journeys. I also attended a workshop on Cyber Threats in IoT Environments by Mohamed Hamdi Ouardi, which highlighted vulnerabilities in IoT systems and the need for stronger security mechanisms. The day concluded with sessions introducing IES opportunities, a poster showcase, and a vibrant Multicultural Night. On Day 2, I visited Bako Motors, gaining insights into EV innovation and industrial processes, and had a meaningful interaction with Mr. Hattab Malek, which deepened my understanding of Tunisia's clean mobility ecosystem. Later, I attended a keynote on sustainable power electronics, a panel on university-industry collaboration, and a design thinking round table by Rakshit Jain. The day ended with hosting proposals for IES SYP 2026, the Gala Dinner, and the Closing Ceremony.



Day 3 focused on cultural exploration through visits to Sidi Bou Said and the Bardo Museum, offering historical and cultural context that complemented the technical sessions. Overall, the IES SYP 2025 Congress was a transformative experience that strengthened my technical knowledge, expanded my perspective on engineering innovation, and enhanced my problem-solving mindset. Meeting professionals like Mr. Malek and interacting with students and experts from diverse backgrounds helped me build meaningful connections and broaden my global outlook. One of the highlights was the poster session, where students showcased their branch activities. I am proud that our IEEE Symbiosis Institute of Technology Hyderabad Student Branch won the People's Choice Award for our poster—a moment that was both memorable and motivating for me and my team. The entire experience contributed significantly to my growth in leadership, collaboration, and engagement within the IEEE community.

-Sujay Indupuru , CSE Student at SIT Hyderabad



Mr. Ghana Sai, a second-year AIML student, was honored with the Best Ambassador Award for the IEEE Society on Multimedia & Signal Processing (SOMSOC) at the Globecom Conference 2025 held in Taiwan. This recognition celebrates his outstanding contributions in promoting SOMSOC's initiatives, engaging the community, and representing the society with excellence on the global stage.



Mr. Sai Prashanth Mallellu, Assistant Professor & Student Affairs of SIT Hyderabad was awarded the Best Prize at the Globecom Conference 2025 held in Taiwan, in recognition of his outstanding contributions and achievements in his field.





Symbiosis Institute of Technology Hyderabad Team Wins IEEE ComSoc Pre-University Competition at IEEE GLOBECOM 2025

We are proud to share that a student team from Symbiosis Institute of Technology (SIT), Hyderabad has emerged as a winner of the IEEE Communications Society (ComSoc) Pre-University Competition held in conjunction with IEEE GLOBECOM 2025 in Taiwan.

As part of this prestigious global competition, the team was awarded IoT Development Kits worth USD 3,000, recognizing their innovative approach, technical competence, and practical application of communication and Internet-of-Things (IoT) technologies.

The IEEE ComSoc Pre-University Competition is a highly competitive international initiative aimed at encouraging early-stage innovation, hands-on experimentation, and problem-solving skills among students by leveraging emerging communication technologies. The selection process involved rigorous evaluation by international experts from academia and industry.

This achievement reflects the strong emphasis placed by Symbiosis Institute of Technology Hyderabad on experiential learning, industry-aligned research, and active engagement with global IEEE initiatives. It also highlights the dedication of the students and mentors who worked collaboratively to translate ideas into impactful solutions.

We congratulate the winning team on this remarkable accomplishment and wish them continued success as they utilize the awarded IoT kits to further their research, innovation, and real-world deployments.

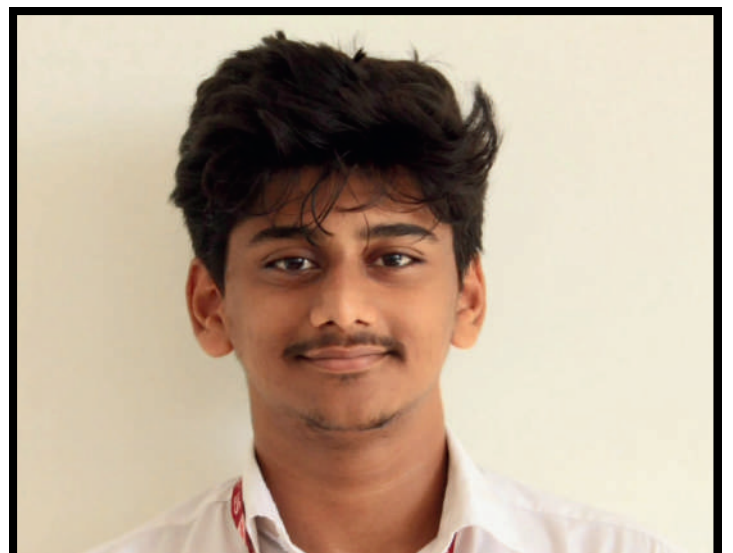
Ms. Anwita Rudravaram, a first-year student of CSE (AI & ML), secured 1st place in the Lightning Talk conducted in Bangalore, for which she was awarded USD 1000 to attend the GLOBECOM Conference 2025 in Taiwan.



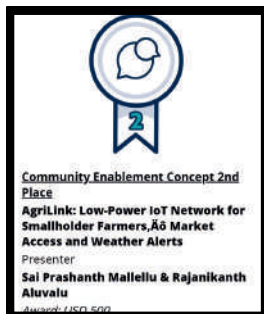
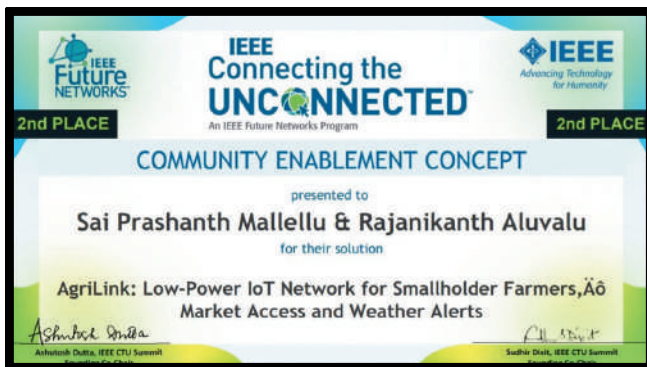
Mr. Tanishq, a first-year Computer Science Engineering (CSE) student, received a cash prize of USD 1000 for his outstanding performance in poster making and presentation at a conference held in Bangalore. In addition to this achievement, he was also awarded a grant to attend the GLOBECOM conference, which was held in Taiwan. These accomplishments reflect his creativity, strong presentation skills, and early engagement with international academic and research platforms.



Mr. Sricharan, a second-year student in Artificial Intelligence and Machine Learning (AIML), received a USD 1500 grant to attend the GLOBECOM Conference and Congress Meeting held in Taiwan. This grant was awarded in recognition of his role as the Chair of ComSoc at SITHYD, highlighting his leadership, active involvement in professional societies, and contributions to the academic and research community.



Mr. Ghana Sai, a second-year student of AIML, received a USD 800 grant to attend the GLOBECOM Conference and Congress Meeting held in Taiwan. This grant was awarded in recognition of his role as a ComSoc Ambassador, highlighting his active involvement, leadership, and contributions to the professional society.



Dr. Rajanikanth Aluvalu Director SIT Hyderabad and Mr. Sai Prashanth Mallellu, Assistant Professor & Student Affairs of SIT Hyderabad received a USD 500 grant each under the “Connect the Unconnected” initiative. This recognition was awarded for their active participation and contributions toward initiatives aimed at improving connectivity and fostering inclusive communication solutions, reflecting their commitment to innovation and social impact.

Mr. Sai Prashanth, Assistant Professor, SIT Hyderabad selected as one of the IEEE Computer Society's 2025 Computing's Top 30 Early Career Professionals. As a recipient of this designation, He will receive:

- A US\$1,500 cash prize award
- Complimentary IEEE Computer Society membership for one (1) year
- Certificate and Digital Badge
- Recognition and a featured article on IEEE Computer Society website



Dr. Rajanikanth Aluvalu, Director, Symbiosis Institute of Technology (SIT), Hyderabad, and Mr. Sai Prashanth Mallellu, Assistant Professor, SIT Hyderabad, have received travel grant support from the IEEE Communications Society (ComSoc) to attend the following prestigious IEEE events:

**IEEE COMSOC Student Technical Conference
KPR Institute of Engineering and Technology
(KPRIET), Coimbatore
13 September 2025**



Dr. Rajanikanth Aluvalu
DIRECTOR, SIT HYDERABAD



Mr. M Sai Prashanth
STUDENT AFFAIRS, SIT HYDERABAD



**IEEE Sri Lanka Section Students, Young Professionals & Women in Engineering Congress 2025 (SLSYW Congress 2025)
Sri Lanka
26-28 September 2025**



The travel grant support from IEEE ComSoc enabled active participation in these international and regional IEEE forums, fostering collaboration, knowledge exchange, and engagement with students, young professionals, researchers, and industry leaders.



Mr . M Sai Prashanth
STUDENT AFFAIRS , SIT HYDERABAD

Mr. Sai Prashanth Mallellu, Assistant Professor, Symbiosis Institute of Technology (SIT), Hyderabad, has received the following prestigious international grants and travel support in recognition of his technical contributions, leadership roles, and invited engagements within IEEE:

IEEE IES IECON & Students and Young Professionals (SYP) Forum 2025, Spain

- USD 3,300 awarded for serving as a Keynote Speaker and Track Chair

IEEE Region 10 TENCON 2025

- USD 1,200 awarded for participation as a Speaker at the IEEE Communications Society Women in Communications Engineering (WICE) Panel

IEEE Education Society Young Professionals Symposium 2025, Kenya

- USD 1,000 awarded for invited participation and leadership engagement

Smart Living & Tech Leadership Conference 2025, Kenya

- USD 500 awarded for participation and contribution to the conference program

IEEE Global Communications Conference (GLOBECOM) 2025, Taiwan

- USD 3,500 awarded to serve as a Keynote Speaker, Session Chair, and Paper Presenter

These grants reflect sustained recognition of his technical expertise, global IEEE leadership, and contributions to education, communications, and emerging technologies across multiple IEEE Societies and Regions.

Dr. Rajanikanth Aluvalu, Director, Symbiosis Institute of Technology (SIT), Hyderabad, and Mr. Sai Prashanth Mallellu, Assistant Professor, SIT Hyderabad, have received travel grant support from IEEE Future Networks to attend the IEEE Future Networks World Forum 2025, held in Bengaluru, India.

Both were supported with a travel grant of USD 300 each, in recognition of their contributions and invited roles at the forum. Mr. Sai Prashanth Mallellu participated as a Keynote Speaker, contributing to discussions on emerging future network technologies and their impact on academia and industry.



Dr. Rajanikanth Aluvalu
DIRECTOR , SIT HYDERABAD

Training and Placement Cell

- **Empowering Students for Industry 4.0 and Beyond**

The Training and Placement Cell at SIT Hyderabad is dedicated to transforming students into highly skilled, industry-ready professionals by integrating advanced technological training, experiential learning, and continuous professional development into the academic ecosystem. Our vision is to ensure that every student is future-ready, globally competitive, and capable of excelling in fast-evolving technological landscapes.

From the very first semester, SIT Hyderabad embeds a structured, multidisciplinary career development framework that includes technology stack teaching by industry experts, virtual internships, professional certifications, and hands-on skill-building workshops with leading technology companies. This holistic ecosystem ensures students acquire substantial technical depth, industry exposure, and real-world problem-solving abilities throughout their academic journey.

Technology Stack Curriculum



1st Year

- C, Python Programming
- Prompt Engineering



2nd Year

- Data Structures, DBMS
- OOPS through Java
- SQL/PLSQL, Scripting Languages
- Machine Learning



3rd Year

- DL, NLP, No SQL Databases
- AngularJS, NodeJS
- Building LLMS, Agentic AI, Vector Databases



4th Year

- Building Full Stack applications
- Building RAG Models, Agentic AI Models

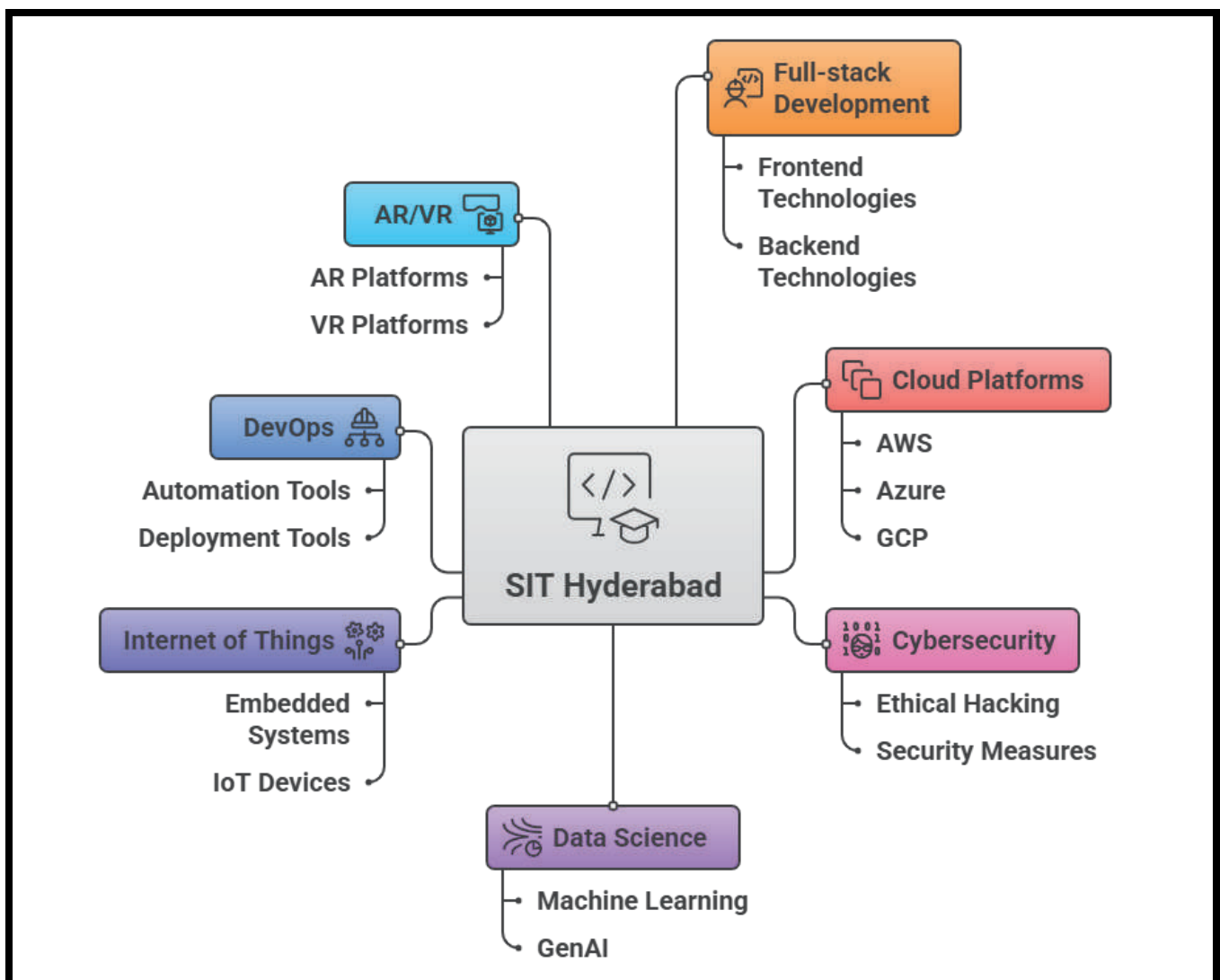


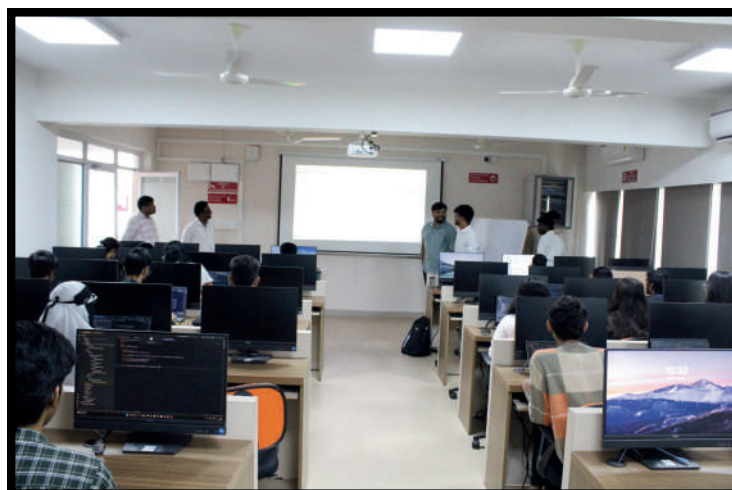
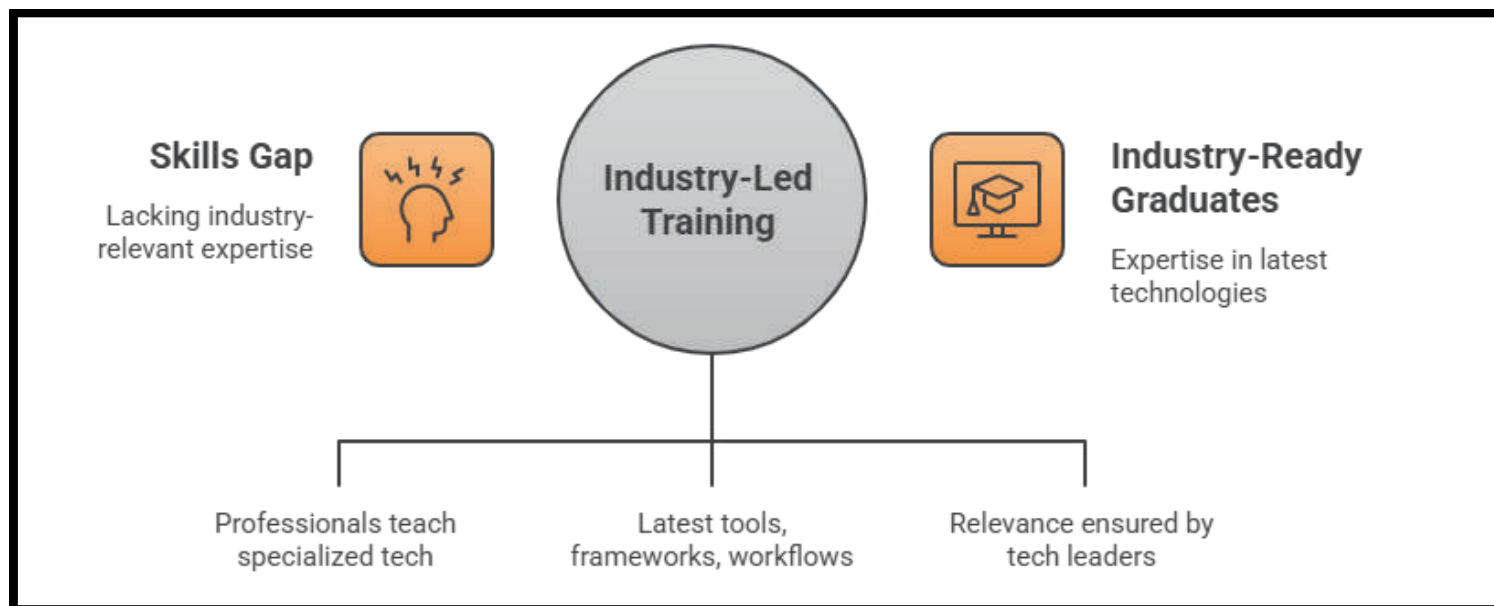
• Technology Stack Teaching and Industry-Led Training

SIT Hyderabad stands apart by integrating a specialised technology stack teaching—beyond the regular curriculum—delivered directly by industry professionals. Experts from top companies guide students in:

- Full-stack development
- Cloud platforms (AWS, Azure, GCP)
- Cybersecurity and ethical hacking
- Data Science, Machine Learning, and GenAI
- Internet of Things (IoT) and embedded systems
- DevOps and automation tools
- AR/VR and immersive computing platforms

This ensures our students gain hands-on expertise with the latest tools, frameworks, and engineering workflows used in real industry environments. The curriculum is continuously upgraded in consultation with technology leaders to ensure maximum relevance.





• Internships from Day One: Virtual Internships to Mandatory Final-Year Internships

To strengthen experiential learning, SIT Hyderabad offers a progressive internship pathway:

1. Virtual Internships from Semester 1

Students begin their professional development early through virtual internships hosted in collaboration with global technology companies. These opportunities help students build foundational skills, industry familiarity, and a project-based learning experience right from their first semester.

2. Industry-Integrated Projects in Second & Third Year

Through industry visits, mentorship sessions, and innovation programs, students participate in real-time projects, hackathons, and proof-of-concept challenges that sharpen their technical and analytical abilities.

3. Mandatory 6 months Internship in 8th Semester

All final-year students undergo a full-time industry internship, enabling them to work within corporate environments, contribute to live projects, and build strong portfolios that enhance their employability.

• Skill-Building Workshops and Agentic AI Training

SIT Hyderabad plans and organises cutting-edge workshops with global technology partners, ensuring students stay ahead in AI-driven transformation. Highlights include:

- Agentic AI Workshops by Salesforce, Microsoft, and Google India
- AI Builders Day & Innovation Challenges
- Cloud Computing Bootcamps
- Data Science and Big Data Analytics Workshops
- Cybersecurity and Network Defence Training
- UI/UX, Design Thinking, and Product Innovation Sessions

These initiatives provide students with hands-on experience using next-generation tools and AI-driven applications.

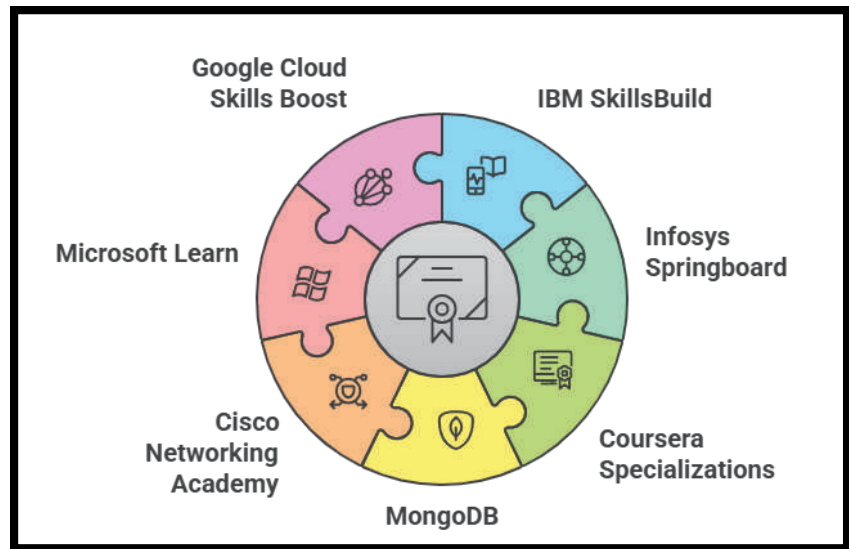


• Global Industry Certifications

To ensure global readiness, students undergo certification pathways from leading platforms, including:

- IBM SkillsBuild
- Infosys Springboard
- Coursera Specializations
- MongoDB
- Cisco Networking Academy
- Microsoft Learn
- Google Cloud Skills Boost

These certifications significantly elevate students' professional profiles, making them highly competitive in the job market.



• Establishing Centres of Excellence at SIT Hyderabad

SIT Hyderabad is emerging as a regional hub for advanced technology ecosystems through the establishment of:

1. Microsoft AI Innovators Hub

A state-of-the-art facility focused on Generative AI, Intelligent Cloud, and Applied Machine Learning research and development. Students receive access to Microsoft tools, mentors, and real-world projects.

2. Hyderabad Data & AI Chapter at SIT Hyderabad

A collaborative platform that brings together industry experts, researchers, and students for events, roundtables, hackathons, and innovation summits focused on Data Engineering, AI Ethics, and large language models.

These Centres of Excellence empower students to experiment, innovate, and contribute to research-intensive projects aligned with global technological trends.



• **Placement Ecosystem & Career Readiness Programs**

The Placement Cell works continuously to enhance students' technical skills, communication abilities, and professional readiness. Key activities include:

- Structured training in programming, data structures, and algorithms
- Communication and aptitude training
- Mock interviews, coding tests, and resume-building workshops
- Industry talks and networking sessions
- Portfolio development and GitHub review sessions
- Expert mentoring through IEEE, ACM, and professional bodies

Major professional development programs such as IEEE S2YP – Ignite Your Professional Path, IEEE Leadership Summits, and industry expert talks bring students closer to industry expectations and recruitment trends.

Through this comprehensive model, our graduates emerge as confident, skilled, and industry-ready professionals, capable of making meaningful contributions from day one.

Hackathons

Hackathons provide students the opportunity to prototype ideas, learn rapidly, and showcase their talent through hands-on, real-time innovation challenges. Our institute regularly conducts Hackathons, Codethons, and Innovation Challenges to nurture creativity and technical excellence. We also actively encourage and send students to participate in reputed national-level hackathons across the country. Our students have consistently made us proud — including winning the prestigious Hackathon title — demonstrating their skills, teamwork, and innovative problem-solving capabilities.

Students consistently excel in competitions such as:

- Smart India Hackathon
- 12-Hour IEEE Hackathon Series
- IEEE Technical Contests and Research Challenges

These platforms offer students the opportunity to prototype solutions, present innovations, and secure internship shortlists through industry evaluation.

Several students also gain global exposure through international conference grants to IEEE events, such as VTC, FNWF, and Globecom, among others—connecting them directly to research labs, industry mentors, and global internship pathways.

The Training and Placement ecosystem at SIT Hyderabad is built on innovation, industry collaboration, and continuous skill expansion. With technology-driven training, early internships, global certifications, and strong placement-focused guidance, SIT ensures that every student graduates as a capable, confident, and future-ready professional prepared for international careers.

SIT Hyderabad integrates entrepreneurial learning into real-world innovation challenges, ensuring students build practical competencies.

Smart India Hackathon - Internal Round

Students form interdisciplinary teams, study problem cases provided by industries and ministries, and develop deployable solutions with societal relevance.

AI Builders Day by Salesforce

A specialised innovation program focusing on:

- Agentic AI
- Enterprise AI use cases.
- Low-code/no-code AI innovation
- Industry-level prototype building

12-Hour IEEE Hackathon Series

A rapid innovation environment encouraging quick prototyping, design validation, teamwork, and technical execution—core skills required for startup founders.



Industry Connect

OBJECTIVES OF INDUSTRY CONNECT

- To give industrial exposure to students and faculty members enabling them to tune with the industrial culture.
- To provide real practical knowledge and self-confidence to become Industry ready.
- Encourage industry experts to address the student community about industry trends and opportunities through webinars, guest lectures, and hands-on workshops etc.
- To facilitate the departments in organizing workshops, conferences, and symposia with joint participation of the industries.
- To provide Support for Industry defined Projects, internships, and placements.
- Consultancy Projects and Industry-sponsored research work.

Industry Connect Activities

Internships	
Expert Talks/Co-Teaching	
Industry Defined Projects	
Joint Honors Programs	
Flexi Course Teaching	
Consultancy Projects	
Curriculum Design	
Faculty sabbaticals	
Training Programs for Industry by SIT	
MoU	
Industry Sponsored Lab	



Centre of Excellence



MOU WITH SMARTBRIDGE



**MOU WITH CYBER SECURITY CENTER OF
EXCELLENCE, GOVERNMENT OF TELANGANA**



MOU With AI MICROSOFT INNOVATION HUB

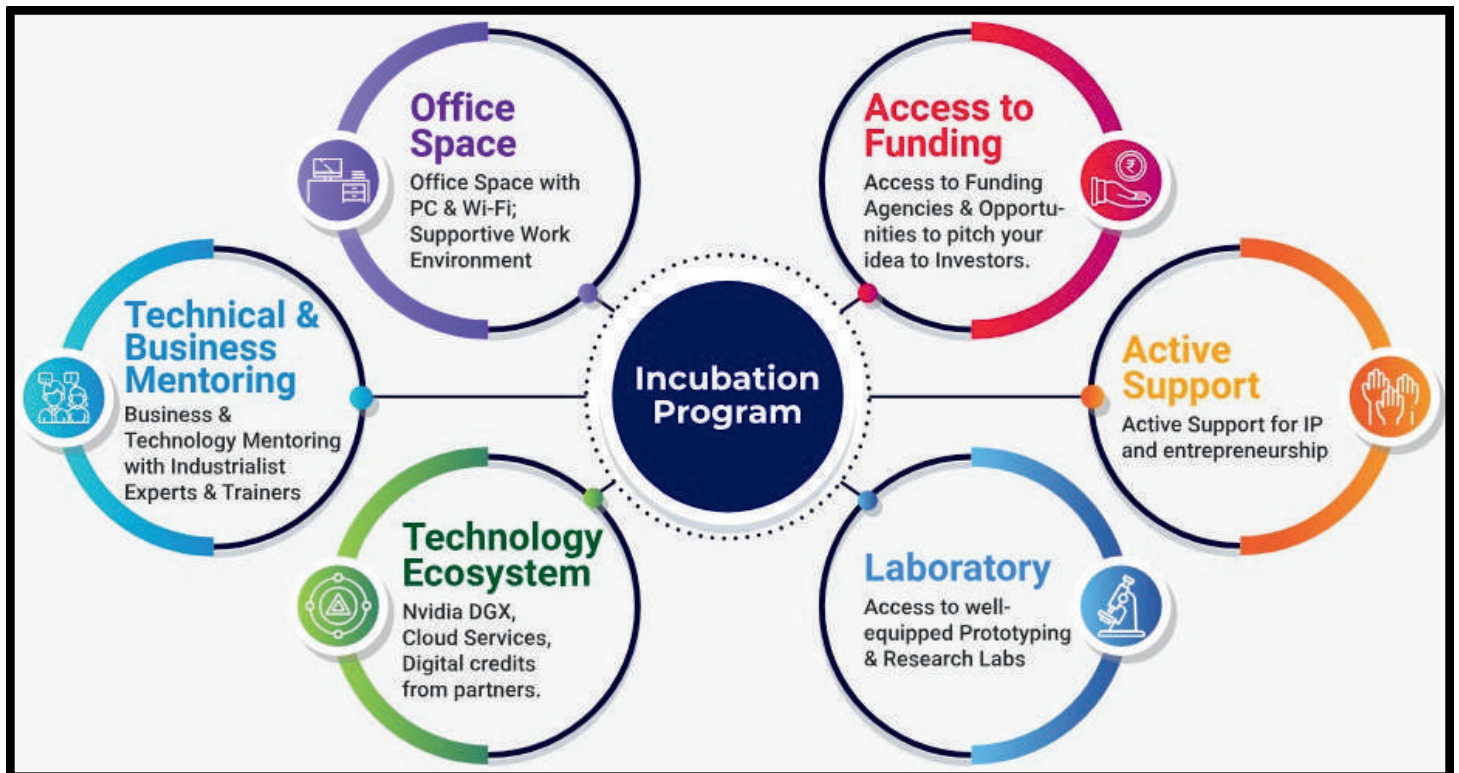


Entrepreneurship & Startup Ecosystem

• TRANSFORMING IDEAS INTO INNOVATION, INNOVATION INTO STARTUPS

SIT Hyderabad has cultivated a high-performance ecosystem that fosters entrepreneurship and innovation, empowering students to become creators, changemakers, and startup founders. The institute is committed to building a culture where curiosity drives experimentation, creativity fuels innovation, and students take ownership of solving real-world challenges through technology and enterprise.

Through its Entrepreneurship Cell (E-Cell), Institution's Innovation Council (IIC), and a rapidly expanding Incubation Centre, SIT Hyderabad provides a complete pipeline—from ideation to incubation, prototype development, and startup launch. This ecosystem enables students to access mentorship, funding pathways, industry networks, and innovation platforms that align with India's startup mission.



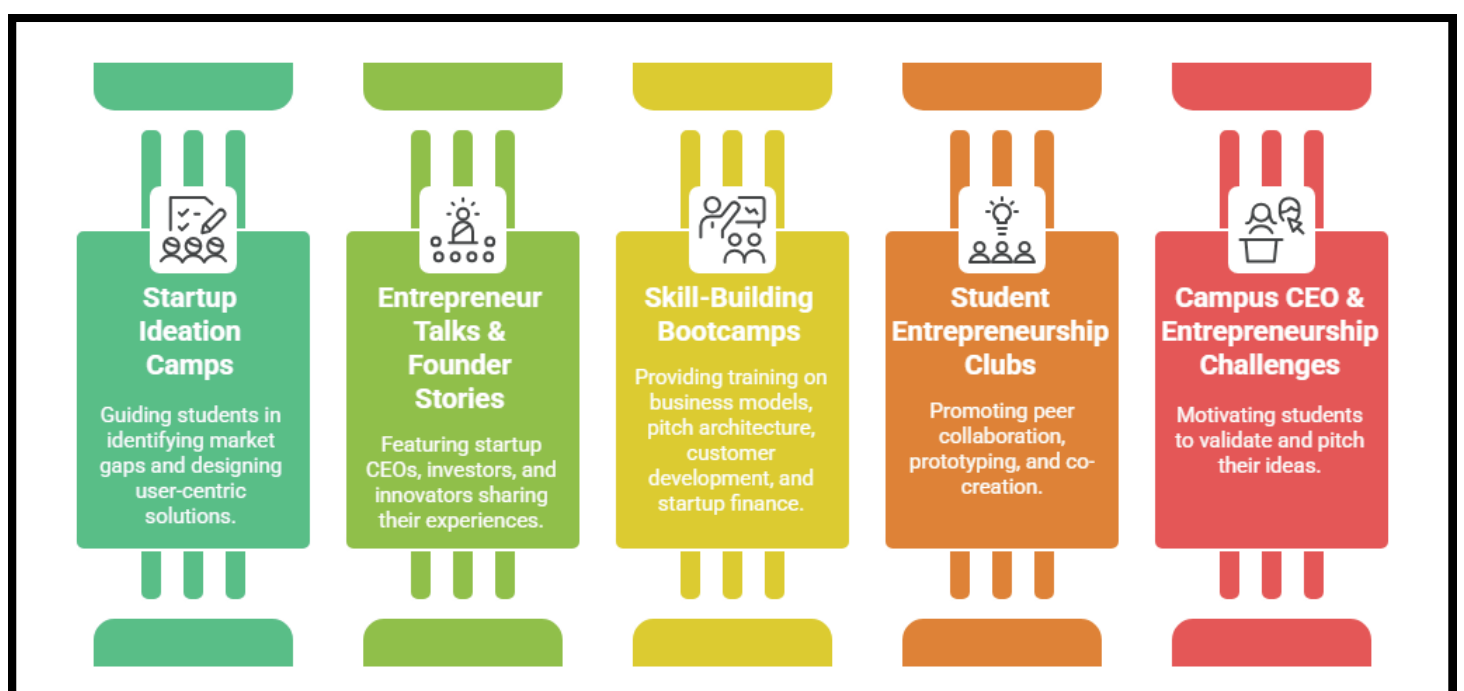
• ENTREPRENEURSHIP CELL (E-CELL): A LAUNCHPAD FOR YOUNG INNOVATORS

The E-Cell acts as the central hub for entrepreneurial initiatives on campus. It encourages students to think beyond conventional learning and explore opportunities in product innovation, service design, digital entrepreneurship, and socially impactful ventures.

Key Highlights of the E-Cell Ecosystem

- Startup Ideation Camps that guide students in identifying market gaps and designing user-centric solutions.
- Entrepreneur Talks & Founder Stories, featuring startup CEOs, investors, and innovators.
- Skill-Building Bootcamps on business models, pitch architecture, customer development, and startup finance.
- Student Entrepreneurship Clubs promoting peer collaboration, prototyping, and co-creation.
- Campus CEO & Entrepreneurship Challenges, motivating students to validate and pitch their ideas.

The E-Cell nurtures entrepreneurial mindsets by teaching students to fail fast, iterate, innovate, and build scalable solutions.



• A THRIVING STARTUP CULTURE: EVENTS THAT IGNITE INNOVATION

SIT Hyderabad hosts some of the most dynamic entrepreneurship events in the region, creating authentic experiences that stimulate creativity and leadership.

Under 25 Entrepreneurship Summit – India's Largest Youth Festival

With 1100+ student participants, this event brought high-energy ideation, networking, and youth entrepreneurship to the campus. Students pitched ideas, interacted with startup founders, explored business use cases, and learned how modern companies scale in competitive markets.

Le Startups Confluence

A convergence of 200+ innovators, startup aspirants, and industry mentors focused on:

- Pre-incubation discussions
- Founder-student networking
- Startup mentoring sessions
- Product refinement and market validation
- Pathways to incubation and early-stage funding

This platform gave students direct access to real startup journeys, investment logic, and entrepreneurial leadership.



• COMMUNITY-DRIVEN ENTREPRENEURSHIP

Events like the Talent Hunt, PET Feeding Fest, and youth-led social innovation campaigns encourage students to approach entrepreneurship with empathy, sustainability, and a focus on community impact—key factors in today's innovation-driven world.

• INCUBATION CENTRE: FROM VISION TO VENTURE

The SIT Incubation Centre offers a structured support system that provides startups with the environment, tools, and mentorship necessary to transform their ideas into functional businesses.

Incubation Support Provided

- Co-working and lab facilities for prototyping & development
- Mentorship from industry experts, technologists, and startup founders
- Access to incubation partners, accelerators, and innovation hubs
- Prototype & MVP (Minimum Viable Product) Development Guidance
- IPR, legal & regulatory support for new ventures
- Investor & funding pathways through pitch events and partner networks

Students receive hands-on support to build viable products, refine technical solutions, and prepare investor-ready pitches.

• BUILDING FUTURE-READY INNOVATORS

Through continuous engagement with founders, incubators, product designers, industry mentors, and global innovation networks, SIT Hyderabad prepares students to become:

- Startup Founders
- Product Innovators
- Tech Entrepreneurs
- Social Impact Leaders
- Research & Deep-Tech Innovators

SIT's entrepreneurship ecosystem is designed to cultivate resilience, creativity, risk-taking, and global thinking—qualities essential to thrive in India's booming startup landscape.



Professional Societies



• Driving Global Leadership, Innovation & Professional Excellence

SIT Hyderabad is home to one of the most vibrant ecosystems of professional bodies and global technical societies, empowering students to excel in research, innovation, leadership, and technology-driven careers. With active student branches, multidisciplinary chapters, and expert faculty mentors, SIT ensures that students gain international exposure, access to cutting-edge research, and opportunities to collaborate with professionals worldwide.

Our association with prestigious platforms, including IEEE, Internet Society, NPTEL, and several specialised IEEE societies, fosters a culture of continuous learning, hands-on research, and competitive excellence. Students participate in workshops, hackathons, international conferences, and leadership programs that equip them to become globally competent engineers and innovators

• IEEE Student Branch

The IEEE Symbiosis Institute of Technology, Hyderabad Student Branch, is at the heart of our professional engagement ecosystem. It hosts multiple technical chapters and affinity groups, enabling students to explore advanced domains, publish research, and engage in global-level activities.

The Student Branch actively collaborates with experts from industry and academia to conduct:

- Hands-on technical workshops
- Flagship conferences and mini-symposia
- Webinars by IEEE Fellows and global experts
- Research and project mentoring sessions
- Industrial networking events
- Humanitarian technology activities
- Innovation challenges and hackathons

Students gain access to IEEE Xplore, global mentoring programs, travel grants, and opportunities to represent SIT Hyderabad at the world's premier technology conferences.



Professional Societies



Internet Society (ISOC)

Focus Areas: Internet governance, cybersecurity, open standards

Students participate in ISOC fellowships, global policy forums, and hands-on workshops on secure digital communication.



Internet
Society

Professional Societies

• Professional Chapters & Councils

NPTEL Local Chapter

As an official NPTEL Local Chapter, SIT Hyderabad enables students to earn IIT-certified courses across engineering, management, and humanities.

Students benefit from:

- Faculty-assisted NPTEL courses
- Industry-recognized certifications
- Access to SWAYAM courses
- Topper recognitions and internship opportunities

This strengthens academic depth and enhances placement readiness.

Impact Through Competitions, Conferences & Research

Through IEEE and allied professional bodies, students participate in:

- Smart India Hackathon
- IEEE Hackathon Series
- Research paper presentations
- Poster competitions and innovation expos
- Travel grants to IEEE VTC, Globecom, FNWF, and ICASSP
- Industry mentorship and leadership programs

These platforms empower students to publish papers, build prototypes, engage in global dialogues, and secure international research and internship pathways.

The professional bodies at SIT Hyderabad foster a culture of global engagement, interdisciplinary innovation, and leadership, ensuring that students grow not only as engineers but also as visionaries prepared to shape the future of technology. Through strong professional networks, international opportunities, and high-impact technical activities, students emerge as confident, research-driven, and industry-ready professionals.

Institution's Innovation Council (IIC)

1. ABOUT IIC (INSTITUTION'S INNOVATION COUNCIL)

The Institution's Innovation Council (IIC) is an initiative by the Ministry of Education (MoE) through its Innovation Cell (MIC), launched in 2018. Its purpose is to systematically foster a culture of innovation and entrepreneurship in higher education institutions (HEIs) across India.

2. OBJECTIVES OF IIC

- I. Promote Innovation: Encourage, inspire, and nurture students by exposing them to innovation and entrepreneurial activities.
- II. Idea Generation and Development: Create a conducive environment for generating innovative ideas and converting them into viable products.
- III. Capacity Building: Build innovation capacities among students and faculty.
- IV. Ecosystem Development: Strengthen the local innovation ecosystem within the HEI and its surrounding community.
- V. Start-Up Support: Provide support for pre-incubation and linkages with incubation centres for entrepreneurial projects.

- Journey of IIC established at the Institute:
- Symbiosis Institute of Technology, Hyderabad (SIT Hyderabad) was established in June 2024 as a constituent institute of Symbiosis International (Deemed University), Pune.
- A total of 37 IIC activities were implemented across various categories, and all activity reports were submitted in accordance with IIC requirements.
- The events conducted under IIC 7.0 related to I&E and IPR at SIT Hyderabad are
- Self-Driven Activities
- IIC Calendar Driven Activities
- Celebration Day Activities
- MIC driven activities

3.MAJOR EVENTS UNDER IIC AT SIT HYDERABAD



A Visit to T-Hub (World's Largest Incubation Centre, Hyderabad



IEEE Foldscope workshop for school children



SITH Research Talk Series



Session on "Think like a Founder"



Session on "Le Startups Confluence"



A Visionary Outlook on Application Research



Internal SITH Hackathon for SIH 2025



A Visit to Microsoft, Hyderabad Campus



Patent on IPR by Dr. Akihiko K. Sugiyama, Tokyo



Ideathon 1.0

Sports Council

SPORTS OVERVIEW

The Sports Council of SIT Hyderabad is a wing of the University Sports Board (USB) which is an independent body for Sports responsible for the development of sports infrastructure and to encourage participation in sports. The body is responsible for allocation of budget for all the intra-institute & inter institute sports events, and to formulate guidelines and policies for participation in tournaments and sports activities, within and outside Symbiosis International (Deemed University).

SPORTS COUNCIL

We have a Sports Club (Abhyasa) and dedicated Sports Council in place to overview all sports related activities at SIT Hyderabad. The sports Council comprises of Asst. Director PE & Sports (DSRW), Faculty In-charge and student members from the institute.

ACHIEVEMENTS & PARTICIPATION OF STUDENTS IN TOURNAMENTS



Sports Facilities

Sports are organized physical activities or games, usually governed by a set of rules or customs, in which participants engage for competition, recreation, or skill development. Sports can be played individually or in teams and often involve a combination of physical exertion, strategy, and teamwork. They play an essential role in society, contributing to entertainment, physical health, social bonding, and personal development.

Basketball



Football



Cricket



Volleyball



COMMEMORATION OF IMPORTANT DAYS



National Startup Day



National Environment Day



National Engineer's Day



International Education Day

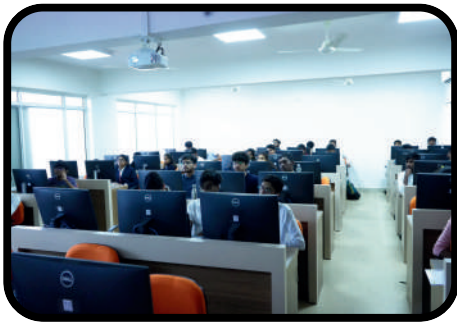


World Mental Health Day

Facilities

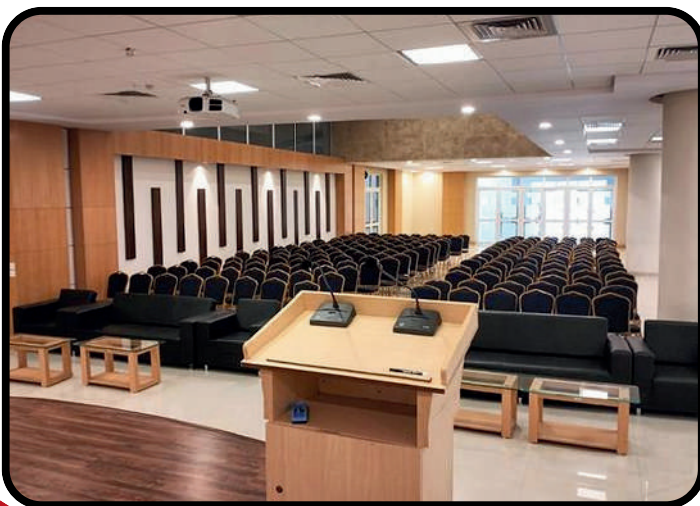
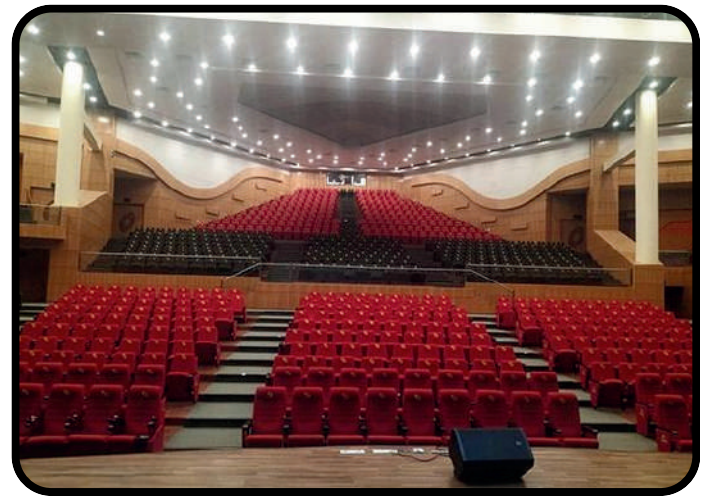
Academic Infrastructure

The institute provides an excellent academic infrastructure with spacious, well-ventilated classrooms fitted with smart boards, quality furniture, and a podium to enhance effective teaching. The laboratories are fully equipped with modern instruments and projectors, offering students a hands-on learning environment. The computer laboratories are air-conditioned and furnished with updated systems to support advanced computing needs. Overall, the well-designed, technologically enabled spaces create a comfortable and conducive atmosphere for learning and innovation.



Auditorium And Seminar Hall

The institute boasts a state-of-the-art auditorium with a seating capacity of 1,200, equipped with advanced light and sound systems and large screen that offers clear visibility from every corner. The fully air-conditioned hall ensures a comfortable atmosphere, while well-planned exit points and safety measures enable smooth movement during events. It is ideal for hosting conferences, cultural programs, major ceremonies, and academic gatherings. In addition, the institute has a well-furnished seminar hall with a capacity of 200, designed to conduct workshops, seminars, guest lectures, and training sessions. Both venues feature modern audiovisual facilities and spacious arrangements, making them perfect settings for a wide range of institutional and student activities.



Hostels

On-Campus hostels for boys and girls

- The Institute has six hostel blocks, with three blocks allotted for girls and three for boys. The hostel rooms are spacious, well-ventilated, and designed to allow ample natural light, creating a comfortable living environment for students. Each room is equipped with an attached toilet and bathroom for added convenience.
- Every student is provided with essential furniture, including a cot, mattress, study table with a chair and ensuring a conducive space for both rest and study. Amenities like Secure Wi-Fi connectivity, TV lounge for recreation and RO purified drinking water systems are installed in each hostel block.
- To ensure the safety and well-being of all hostel residents, Security check is provided at the main entrance of each hostel, Round-the-clock lady guards at girls' hostels and Surveillance cameras installed at the entrance of all hostel buildings.



Transportation

Transport facility : The institute provides a convenient and safe transportation facility for day scholars. A fleet of well-maintained A/C buses operates from almost all the parts of Hyderabad, Secunderabad and Shadnagar, ensuring comfortable and timely travel. Trained drivers, regular vehicle inspections, and strict safety protocols make the commute smooth and reliable for students.



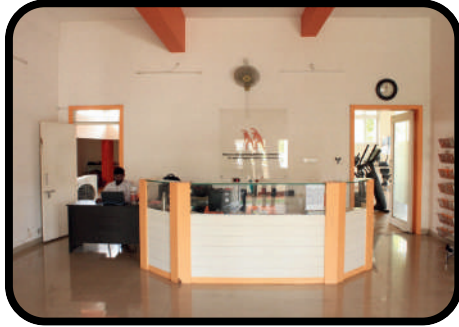
Mess & Cafeteria

The institute's mess and cafeteria feature a spacious dining hall with ample seating and a clean, welcoming environment. Nutritious and well-balanced unlimited meals are served as per a menu planned by a qualified nutritionist and reviewed daily by an expert dietician to ensure variety and balanced intake. The menu includes all essential nutrients—including proteins, carbohydrates, vitamins and minerals—catering to the dietary needs of students. Fresh fruits, eggs and dairy products are part of the regular diet. RO-purified drinking water is provided to ensure safety and quality. High standards of hygiene are maintained through regular cleaning, food-safety checks and continuous monitoring. Additionally, the dining area follows strict waste-management practices and encourages students to maintain cleanliness for a healthy campus environment.



Wellness centre

The Institute offers comprehensive health and wellness facilities to support the well-being of its students and staff. The Fitness Centre features a spacious workout area equipped with modern exercise machines, supported by expert trainers who provide guidance on proper techniques and personalized fitness routines. Regular health and fitness sessions are conducted to encourage an active lifestyle on campus.



Symbiosis Centre for Health Care

In addition, the Institute's Health Centre provides immediate healthcare support, including an on-campus ambulance facility. Qualified medical officers are available in the campus 24 hours. Regular health check-ups are organized for both students and faculty, ensuring continuous monitoring and care for the campus community.



Shopping complex



General Store



Juice Center



Ink & Oven

The **Shopping Complex** offers a convenient mix of essential and specialty stores, creating a **one-stop destination** for visitors. It features a well-stocked General Store, a refreshing Juice Center serving fresh beverages, and the unique Ink & Oven outlet that combines stationery and bakery items. Together, these shops provide a vibrant and useful shopping experience for everyone who visits.

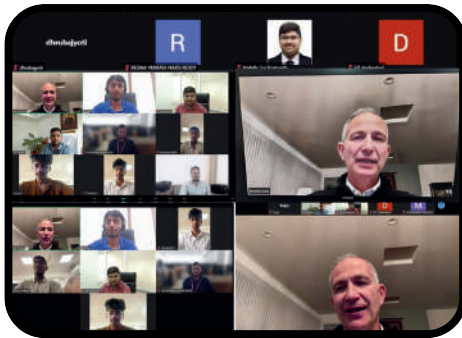
Activities at SIT Hyderabad



SIT Spectra



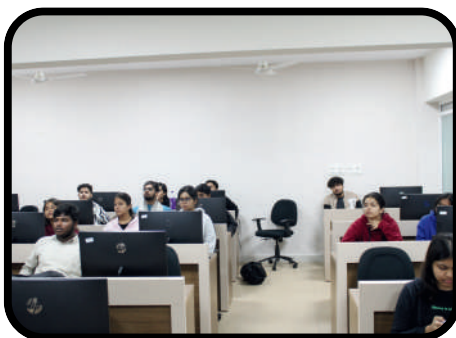
IEEE Synergy Summit 2025



TedX



Leadership Summit - 2025



Celebrations

Holi Celebrations



Navratri Celebrations



Sarswathi Puja Celebrations



Onam Celebrations



Janmastami Celebrations



Anveshan 2k25



Life at SIT Hyderabad





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SYMBIOSIS

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