SIST

JUSTICE PEACE REVOLUTION

SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

CATEGORY-1 UNIVERSITY BY UGC



INSTITUTIONAL DEVELOPMENT PLAN

(2026-2030)

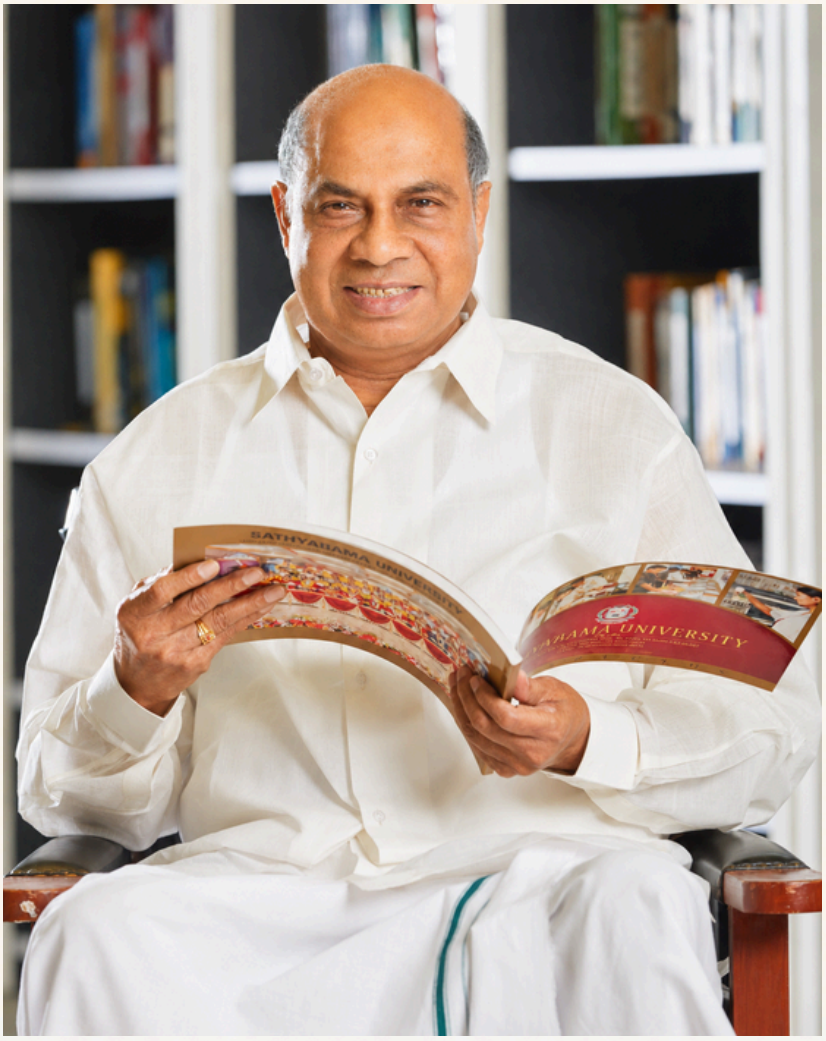
IDP ENABLERS

- Governance & Financial
- Academic
- Research
- Innovation, Incubation and Intellectual Property
- Human Resource and Supportive-Facilitative
- Networking and Collaboration
- Physical
- Digital
- Placement
- Sustainability

ज्ञान-विज्ञान विमुक्तये

UNIVERSITY GRANTS COMMISSION

SUBMITTED TO UNIVERSITY GRANTS COMMISSION, NEW DELHI



Sathyabama – a trailblazing institution, celebrated for cultivating exceptional talent to meet the demands of an ever-evolving world. Rooted in the principles of discipline and integrity, the university has garnered acclaim for its unwavering commitment to excellence in academic performance, research, innovation and holistic student development.

Its vision reflects a strong, future-oriented commitment to transformative education that shapes not only skilled professionals but also innovators, problem-solvers and leaders who positively impact society.

Institutional Development Plan (IDP 2026-2030) reflects these enduring values and his vision to advance quality technical education, promote impactful research and innovation, and nurture future leaders committed to societal progress.

In respectful remembrance of

Dr. JEPPIAAR, M.A., B.L., Ph.D.,

Founder Chancellor

Sathyabama Institute of Science and Technology

FOREWORD BY THE HON'BLE CHANCELLOR



Sathyabama Institute of Science and Technology stands as a hallmark of excellence in academics and research, driven by a clear vision, supported by world-class infrastructure and a dedicated team of highly qualified faculty. As we embark on the Institutional Development Plan (2026-2030), we endorse our commitment to strengthening these foundations through sustainable growth, innovation, and purposeful execution.

This strategic roadmap reflects our aspiration to elevate Sathyabama's position as a globally recognized institution for academic and research excellence. Building on over three decades of transformative progress, we aim to further enhance our academic ecosystem, promote cutting-edge research, and nurture ethical, skilled, and socially responsible professionals who can contribute meaningfully to National and Global development.

Our students remain at the heart of this vision, they are our greatest strength and the driving force behind our achievements. We are equally proud of our alumni; whose accomplishments continue to bring distinction to the institution. The trust of our stakeholders and the support of parents and industry partners inspire us to continuously evolve and create opportunities that empower the technology-driven younger generation.

Dr. MARIAZEENA JOHNSON, B.E., MBA., M.Phil., Ph.D,

Chancellor

Sathyabama Institute of Science and Technology


SATHYABAMA
CHENNAI CAMPUS


SATHYABAMA
SRIPERUMBUDUR CAMPUS

Global and National Recognitions

NATIONAL

Ministry of Education Government of India

nirf NATIONAL INSTITUTIONAL RANKING FRAMEWORK

Ranked 53rd Position among University in India by NIRF, Govt. of India 2025

Ranked among Top 10 Universities in India in the Innovation Category in NIRF 2025 | Ranked in Super-50 in 2025 | Ranked Top 50 Institutions in India under SDG Institutions Category in NIRF Ranking – SDG Institutions 2025

UGC University Grants Commission

12B Status is conferred to our Institution by University Grants Commission (UGC) for its Academic and Research Excellence

NBA NATIONAL BOARD OF ACCREDITATION

10 UG Engineering Programmes and 1 PG MBA Programme is accredited by the National Board of Accreditation

A++ NAAC

Accredited with the highest **A++ Grade by the NAAC** with 3.73 score by the National Assessment and Accreditation council

TC-7189

Accredited by NABL
(National Accreditation Board for Testing and Calibration Laboratories)
in ISO/IEC 17025:2017 for Testing
National Facility for Coastal and Marine Research (NFCMR) & Centre for Waste Management

INTERNATIONAL

ABET Accreditation Board for Engineering and Technology

Internationally Accredited by Accreditation Board for Engineering and Technology (ABET) for B.E. Computer Science and Engineering, B.Tech. Biotechnology, B.E. Electrical and Electronics Engineering, B.E. Electronics and Communication Engineering and B.E. Mechanical Engineering Programmes

THE WORLD UNIVERSITY RANKINGS GLOBAL (2026)

Ranked 1201-1500 in the world by Times Higher Education World University Rankings, 2026

THE WORLD UNIVERSITY RANKINGS ASIA (2026)

Ranked 501-600 in the Asia by Times Higher Education Asia University Rankings, 2026

Our Institution is placed in very good positions in Times Higher Education Impact Rankings 2025, which ranks the Universities across the world based on their contribution to the UN's Sustainable Development Goals.

Times Higher Education **Impact Rankings 2025**

Ranked 401-600 in the Overall Times Higher Education Impact Rankings, 2025

Ranked 801-1000 for SDG 1 No Poverty	Ranked 801-1000 for SDG 3 Good Health and Well-being	Ranked 101-200 for SDG 6 Clean Water and Sanitation	Ranked 401-600 for SDG 7 Affordable and Clean Energy	Ranked 301-400 for SDG 9 Industry, Innovation and Infrastructure	Ranked 401-600 for SDG 10 Reduced Inequalities	Ranked 401-600 SDG 13 Climate Action	Ranked 89 for SDG 14 Life Below Water	Ranked 101-200 SDG 15 Life on Land	Ranked 601-800 for SDG 17 Partnerships for the Goals

THE World University Rankings 2025 by Subject

Ranked 601-800 by the Times Higher Education Subject Rankings 2025 for Medical, Health and Physical Sciences

Ranked 801-1000 by the Times Higher Education Subject Rankings 2025 for Computer Science, Engineering, and Life Sciences

QS WORLD UNIVERSITY RANKINGS 2026

Ranked 1201-1400 in the world by QS World University Rankings, 2026.
Sathyabama ia one of the 54 Institutions in India ranked by QS.

QS WORLD UNIVERSITY RANKINGS ASIA 2026

Ranked 262nd position in the QS Asia University Rankings, 2026.
Ranked 59th by the QS Asia University Rankings - Southern Asia for the year 2026.

QS EXCELLENT ★★★★★

Awarded 5 Stars Ratings by QS for Academic and Research Excellence by assessing the Performance of Sathyabama in the core criteria like Teaching, Research, Internationalization and Employability

QS WORLD UNIVERSITY RANKINGS SUSTAINABILITY RANKING 2026

Ranked in 759th position among 2001 Institutions worldwide in QS Sustainability Rankings, 2026.
Ranked in 237th position in the QS Sustainability Rankings, 2026 among 815 Institutions in Asia.
Ranked in 31st position in the QS Sustainability Rankings, 2026 among 101 Institutions in India.

FOREWORD BY THE VICE-CHANCELLOR



Prof. Dr. B. Sheela Rani, M.S. (By Research), Ph.D.,

Vice-Chancellor

Sathyabama Institute of Science and Technology

It is with a deep sense of purpose and Institutional commitment, the IDP (2026-2030) of Sathyabama Institute of Science and Technology is presented. This strategic document represents a forward-looking framework that positions the University to respond effectively to the evolving landscape of higher education, while remaining firmly anchored in its core values of academic excellence, research & innovation, inclusivity and societal responsibility.

The Plan articulates a cohesive vision to strengthen our standing as a multidisciplinary, research-intensive institution aligned with National priorities and Global benchmarks. It reflects a carefully structured approach that integrates academic transformation, research advancement, governance reform, digital innovation and sustainability into a unified trajectory of growth. The emphasis on outcome-based education, interdisciplinary learning and industry-aligned curricula ensures that our graduates are not only academically proficient but also globally competent and socially conscious.

A defining feature of this roadmap is its strong focus on research and innovation ecosystems that promote high-impact, translational outcomes. By fostering collaborative networks, enhancing infrastructure and enabling intellectual property generation and technology transfer, the institution aims to contribute meaningfully to knowledge creation and its real-world applications. Simultaneously, the plan reinforces our commitment to nurturing entrepreneurship, strengthening incubation systems, and building a vibrant culture of innovation across disciplines.

The IDP also underscores the critical role of digital transformation and data-driven governance in enhancing institutional efficiency and transparency. The integration of advanced technologies into academic delivery, research and administration will enable a seamless, intelligent and future-ready academic environment. Equally, the focus on human resource development, faculty excellence and student-centric support system ensures the creation of a dynamic and inclusive academic community.

Sustainability remains as a central pillar of our institutional philosophy. Through the integration of SDGs across teaching, research, and outreach, the University continues to advance environmental stewardship, social equity and community engagement.

As we embark on this strategic journey, we are confident that the Institution will continue to evolve as a globally recognized institution in shaping future leaders and addressing the challenges of a rapidly changing world.











TABLE OF CONTENTS

S. No	Contents	Page No
1	Preamble	1
2	Executive summary	3
3	Strategic Goals and Development Objectives	5
4	Instituitional Development Plan (IDP) Frameworks	7
5	Governance and Financial Enablers	8
6	Academic Enablers	11
7	Research Enablers	14
8	Incubation, Innovation and Intellectual Property Rights Enablers	17
9	Human resource and Supportive-Facilitative enablers	19
10	Networking and Collaboration Enablers	21
11	Physical enablers	23
12	Digital enablers	25
13	Placement enablers	27
14	Sustainability enablers	29
15	Best Practices	32

PREAMBLE

Shaping Futures. Advancing Knowledge. Transforming Society.



Sathyabama Institute of Science and Technology, Chennai, Tamil Nadu, India, is a multidisciplinary institution of higher education committed to academic excellence, research innovation, and societal transformation. Established in the year 1987, on the visionary ideals of its **Founder Chancellor Col. Dr. Jeppiaar,** the institution was founded on the principle that "Education must extend beyond knowledge acquisition to foster leadership, innovation, and responsible societal contribution". This enduring philosophy continues to shape our institutional identity and strategic direction.

Our institution's academic and research trajectory has been further strengthened under the dynamic leadership of our **Hon'ble Chancellor Dr. Mariazeena Johnson**, whose vision emphasizes academic rigour, global engagement, innovation-driven education, and sustainable institutional growth. Under her stewardship, the institution has made significant strides in strengthening research ecosystems, expanding interdisciplinary academic frameworks, enhancing international collaborations and integrating emerging technologies into teaching, learning, research and governance systems. Our university is committed to building a high-impact academic environment that integrates teaching excellence, research intensity, and innovation capacity with globally benchmarked standards. With the state-of-the-art infrastructure, advanced research facilities and a vibrant innovation ecosystem, the institution fosters critical thinking, interdisciplinary inquiry and translational research outcomes.

The strategic academic leadership of our Vice-Chancellor further reinforces this transformative journey through our IDP (2026–2030). Her focus on academic quality enhancement, research intensification, curriculum modernization, and outcome-based education has been instrumental in advancing institutional excellence and aligning academic practices with global higher education standards.

Vision of the Institution

- Be a leading multidisciplinary University, producing world class talents to address global challenges.

Mission of the Institution

- To attain excellence in Education and Research through effective collaboration with Industries and other International/National organisations.
- To consistently remain an attractive ecosystem for students and employees, a hub of innovation for researchers and an incubating platform for entrepreneurs.
- To create an inclusive environment that caters to all forms of diversity.
- To engage in outreach and community development activities, creating an impact on the society.

Core Values



1. **Integrity:** We emphasise on high ethical standards in our actions and are committed in being transparent, responsible and accountable.

2. **Nobility:** We inculcate ethical values parallel to the curriculum enrichment to the student community, so that they outstand amongst their peers irrespective of the environment in which they are placed.

3. **Sustainability:** We develop, practise and emphasize protocols in academics and research enabling ourselves to be competitive, ensuring environmental and social sustainability.
4. **Partnership and Collaboration:** We encourage academic and research partnerships with organisations and Universities at National and International level. We value and applaud the relationships we have with our partners.
5. **Inclusion and Diversity:** We are committed to facilitate diverse student and Faculty culture and encourage multi-cultural learning in the University. We provide opportunity to work, learn and embrace the diversity of every individual irrespective of race, gender, religion, nationality, age, social background, physical ability and mental competence.
6. **Responsibility:** We believe in Education for all. We take pride in owning responsibility and commitment towards society by supporting the education of students from rural, economically backward communities, differently abled and acid attack victims with full Financial Assistance.
7. **Excellence:** We focus on excelling in all our academic and research activities, ensure best academic quality in our programmes, encourage innovations and receptive to the ever-changing needs of our stake holders.

EXECUTIVE SUMMARY



Sathyabama Institute of Science and Technology, in alignment with UGC guidelines for IDP, NEP 2020, AICTE regulatory frameworks and globally benchmarked higher education standards, presents its IDP (2026–2030) as a comprehensive roadmap for transformation into a globally competitive, research-intensive and innovation-driven university. The plan articulates an integrated institutional vision that consolidates academic excellence, advanced research, governance reform, financial sustainability, infrastructure modernization, digital transformation, employability enhancement and sustainability leadership into a unified strategic framework oriented towards measurable outcomes and global impact.

Our institutional governance and financial architecture are structured on the principles of transparency, accountability, efficiency and participatory decision-making, supported by robust digital governance systems and statutory bodies. Financial sustainability is ensured through a diversified and resilient funding model encompassing competitive research grants, industry consultancy, strategic partnerships, CSR funding and internal resource optimization. Strategic capital allocation prioritizes high-impact domains such as research infrastructure, academic quality enhancement, innovation ecosystem and digital modernization, ensuring long-term institutional stability, scalability and global competitiveness.

Our academic, research, and innovation ecosystem is designed in alignment with Outcome-Based Education (OBE), NEP 2020 mandates and International accreditation frameworks, including NAAC, NBA and ABET. The institution fosters multidisciplinary and transdisciplinary education, integration of frontier technologies, competency-based learning and industry-responsive curriculum design. Research intensity is strengthened through specialized centres of excellence, advanced laboratories, high-impact scholarly output, patents, funded research projects and global collaborations.

Sathyabama Institute of Science and Technology has established a next-generation physical and digital infrastructure ecosystem that supports academic delivery, research excellence and institutional efficiency at scale. The physical infrastructure comprises advanced laboratories, smart classrooms, interdisciplinary research centres, inclusive campus acilities and fsustainable built environments aligned with global safety and accessibility standards.



The digital ecosystem integrates AI-enabled governance platforms, Enterprise Resource Planning (ERP) systems, Learning Management Systems (LMS), cloud infrastructure, cybersecurity frameworks and immersive technologies such as AR/VR and simulation-based learning, enabling a fully digitized, data-driven and intelligent academic environment.

The Training and Placement ecosystem is strategically aligned with global employability benchmarks and Industry 4.0/5.0 workforce requirements. With participation from 500+ recruiters annually and high-value placement outcomes reaching up to 53 LPA, the institution demonstrates strong industry confidence and graduate readiness. The framework emphasizes AI-driven skill intelligence systems, structured internship-to-employment pipelines, domain-specific competency development, global recruitment pathways and deep industry integration. Strong alumni networks and experiential learning models further enhance career outcomes and global workforce mobility.

Sustainability is embedded as a core institutional imperative aligned with the United Nations Sustainable Development Goals (SDGs 1–17), integrating environmental stewardship, social responsibility and economic resilience into all institutional functions. The institution has achieved global recognition in SDG rankings and continues to advance climate action, renewable energy integration, biodiversity conservation and marine ecosystem research. Structured community engagement initiatives, livelihood training programs, environmental commemorations and outreach interventions, reflect a strong commitment to inclusive and impact-driven development.

Overall, IDP (2026–2030) roadmap will establish a clear trajectory towards becoming a globally recognized university.

STRATEGIC GOALS AND DEVELOPMENT OBJECTIVES



Strategic Formulation Approach

- Institutional strategy is guided by strong academic leadership, continuity of vision and sustained execution frameworks aligned with UGC guidelines.
- Strategy is treated as a directional compass translating institutional vision into measurable outcomes and milestones.
- Evidence-based planning is adopted through stakeholder analysis and portfolio-based academic planning.
- Emphasis is placed on alignment between institutional vision, academic systems, research priorities and societal expectations.
- Interlinkages across teaching, research, innovation, governance and outreach are systematically integrated.

Strategic Goals

- Strengthen accessible, inclusive and transparent academic systems aligned with national higher education policies.
- Achieve global academic excellence through curriculum modernization and outcome-based education frameworks.
- Enhance employability through skill integration, experiential learning and industry-aligned programs.
- Build a strong research and innovation ecosystem focused on high-impact, interdisciplinary, and translational outcomes.
- Promote entrepreneurship, incubation and startup culture across disciplines.
- Strengthen global engagement through collaborations, mobility, and academic partnerships.
- Ensure holistic student development, including academic, ethical, cultural, and social dimensions.

- Expand digital transformation across teaching, learning, research, and governance systems.
- Enhance institutional reputation through improved national and global rankings.
- Strengthen financial sustainability through diversified funding and strategic resource utilization.
- Foster strong academia-industry-community linkages for societal impact and ensure flexible learning pathways through NCrF, ABC, and NEP 2020 frameworks.

Development Objectives

1. Academic & Governance

- Strengthen transparent, accountable, and data-driven academic governance systems.
- Ensure compliance with UGC, AICTE, NAAC, NBA and global quality frameworks. Implement performance-based academic monitoring systems.

2. Curriculum and Pedagogy

- Continuous updation of curriculum aligned with emerging technologies and global standards.
- Promote outcome-based education (OBE), experiential learning and interdisciplinary pedagogy.
- Integrate digital tools, simulations and blended learning models.

3. Skill Integration and Student Development

- Embed vocational education, internships, and skill-based learning into academics.
- Strengthen employability-focused training and competency development.
- Enhance student support systems, including mentoring and career development.

4. Faculty and Human Resources

- Strengthen faculty recruitment, retention, and development systems.
- Promote continuous professional development and global exposure.
- Encourage research productivity and pedagogical excellence.

5. Governance and Compliance

- Ensure transparent financial and administrative governance systems.
- Strengthen digital governance and ERP-based institutional management.
- Maintain regulatory compliance and audit-ready systems.

6. Research and Development

- Expand research funding, interdisciplinary projects and high-impact publications.
- Strengthen intellectual property generation, patents and technology transfer.
- Promote industry-funded research and translational innovation.
- Develop Centres of Excellence and advanced research infrastructure.

INSTITUTIONAL DEVELOPMENT PLAN (IDP) FRAMEWORK

KEY ENABLERS FOR INSTITUTIONAL EXCELLENCE

The Institutional Development Plan (IDP) Framework at Sathyabama Institute of Science and Technology is designed as an integrated and holistic approach to institutional planning and excellence. It aligns institutional context, strategic vision, and developmental priorities into a coherent structure that ensures sustainable growth and continuous improvement.

The framework is structured around 10 interlinked enabler parameters:
(i) Governance & Financial (ii) Academic (iii) Research (iv) Innovation, Incubation and Intellectual Property (v) Human Resource and Supportive - Facilitative (vi) Networking and Collaboration (vii) Physical (viii) Digital (ix) Placement (x) Sustainability enablers. These enablers collectively guide institutional transformation through a unified and outcome-oriented planning approach.

Each enabler functions as both independent strength area and interconnected component of the institutional ecosystem. With Physical and Digital enablers forming the foundational base, the framework ensures a purpose-driven, iterative and continuously evolving pathway towards institutional excellence.



Governance and Financial Enablers

Sathyabama Institute of Science and Technology, in alignment with UGC and AICTE guidelines, adopts a structured and integrated Governance framework that emphasizes transparency, accountability, and participatory decision making. The governance system is driven by statutory bodies, supported by Internal Quality Assurance mechanisms and digital platforms that enable administration, evidence-based planning, and alignment with National priorities and Global standards.

The Financial framework is designed to ensure long-term sustainability and strategic growth through diversified revenue streams. The institution mobilizes resources through research, consultancy, industry partnerships, and external funding, supported by prudent financial planning and transparent utilization practices. Priority-based investments in infrastructure, advanced research facilities and innovation ecosystems enable optimal resource deployment. Together, governance and financial enablers provide a stable and adaptive foundation for institutional excellence and sustained impact.

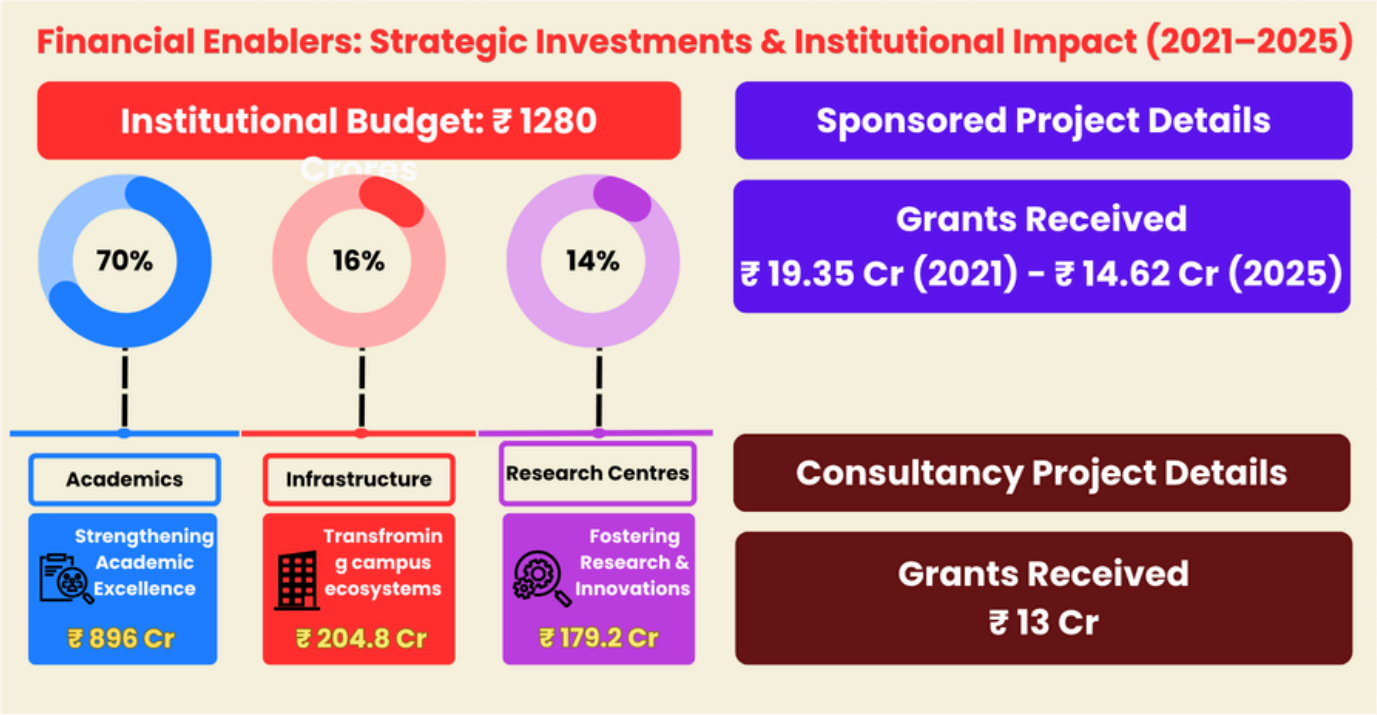








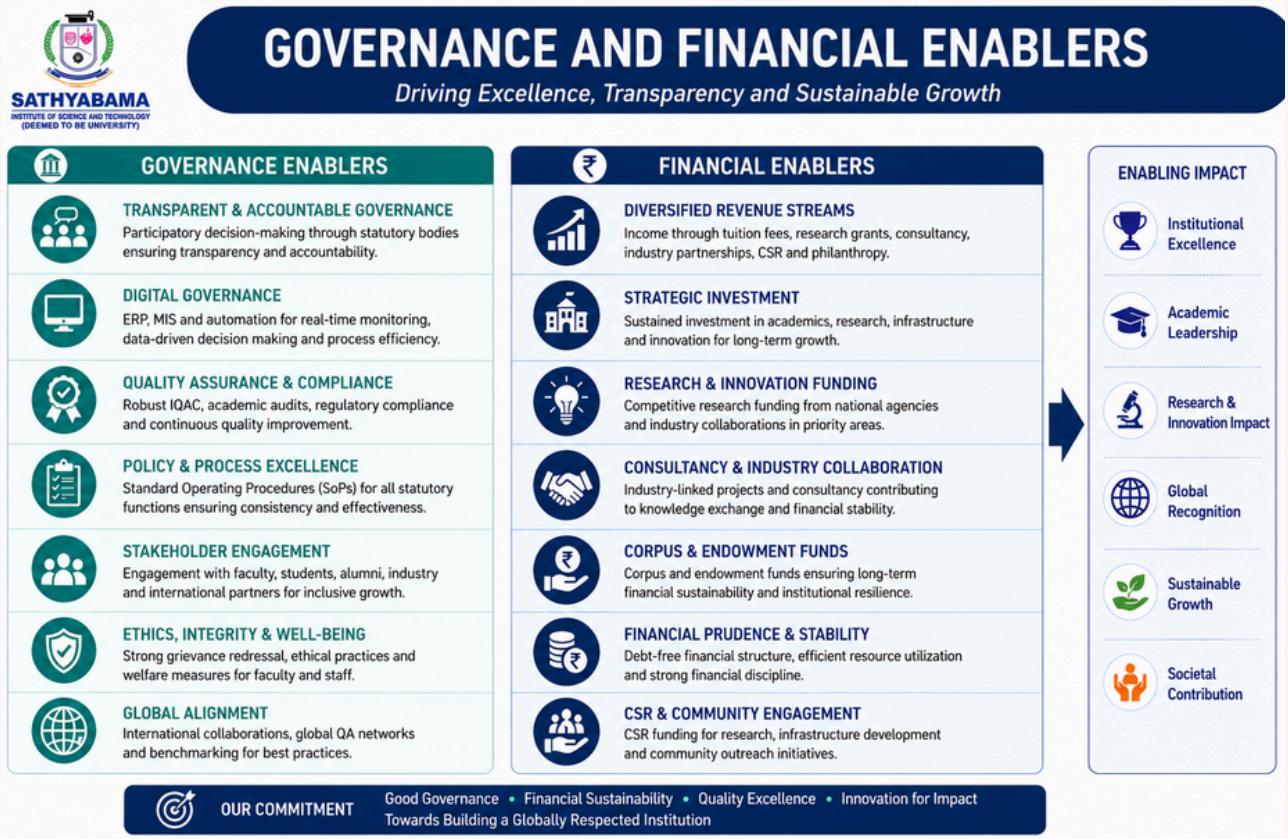
Institutional Excellence and Key Strengths (2021 - 2025)



- Transparent and accountable governance supported by participatory decision-making and digital systems.
- Successfully implemented ISO 21001 (Educational Organization Management System) standards across Sathyabama Institute of Science and Technology to ensure robust quality assurance, compliance, audit processes, and institutional integrity.
- Earned NAAC A++ accreditation, top 100 in NIRF ranking, accreditation by NBA, a strong global presence in THE, QS World/Asian rankings and ABET Accreditation.
- Strategic investment of approximately **Rs. 1280 crores** toward infrastructure, research and academic development.
- Academic excellence prioritized with **70%** allocation enhancing pedagogy, curriculum design and student learning outcomes.
- Infrastructure augmentation supported by **16%** allocation for advanced learning environments.
- Modern research and innovation facilities strengthened through **14%** allocation.
- Diversified revenue streams earned through research overheads, utilization of Instruments and facilities through industry partnerships.
- Debt-free financial structure ensures long-term stability and efficient resource utilization.
- Strengthened global footprint with **123+** international collaborations and **125+** international students

Strategic Measures (2026 - 2030)

- Strengthen institutional governance through integrated digital systems enabling transparency, accountability and real-time decision making.
- Advance financial governance using ERP platforms, automation and data-driven monitoring frameworks.
- Implement sustainable asset management aligned with circular economy.
- Expand alumni engagement as a strategic partner in institutional development and resource mobilization.
- Enhance research funding through structured National and International collaborations.
- Enhance Industry-integrated laboratories and Innovation Centre for translational research and skill development.
- Upscale diversified funding through CSR, philanthropy, consultancy and industry partnerships.
- Develop a globally aligned research and innovation ecosystem with strong governance frameworks.
- Strengthen endowment and corpus frameworks to ensure long-term financial sustainability.
- Strengthen institutional support for attracting international scholars, adjunct faculty, and visiting researchers through honorarium support, accommodation assistance, and research facilitation mechanisms.
- Accelerate fund mobilization for “Green Governance framework” focussing on
    i. A Biodiversity test bed facility to survey and preserve the campus flora and fauna.
    ii. Replacement of conventional electrical fittings with energy-efficient appliances.
    iii. EV adoption, carbon reduction towards net zero.



Academic Enablers

Sathyabama Institute of Science and Technology has systematically aligned its academic ecosystem with National and Global quality frameworks which includes the UGC Institutional Development Plan (IDP) guidelines, NEP 2020, NIRF ranking parameters and accreditation benchmarks such as NAAC, NBA and ABET. The University academic enablers are strategically designed to advance curriculum innovation, foster interdisciplinary program development, strengthen industry-academia collaboration, promote experiential learning and enhance measurable societal impact. This Strategic Plan represents a comprehensive integration of departmental perspectives into a coherent and unified institutional roadmap for the next five years, aimed at ensuring sustained excellence, accountability and outcome-driven growth.

Institutional Excellence and Key Strengths (2021 - 2025)

- Academic framework is fully aligned with the principles of NEP 2020, AICTE norms, UGC Learning Outcome-Based Curriculum Framework (LOCF) and other relevant regulatory guidelines, ensuring quality, transparency and national relevance.
- A well-integrated academic structure spanning Engineering, Computing, Life Sciences, Health Sciences, Law, Management and Arts & Humanities fosters interdisciplinary learning, research and innovation.
- Introduced **18** new degree programmes; **6** honours degree programmes; **6** online degree programmes and semester-abroad programmes through virtual and physical modes in collaboration with more than 20 universities worldwide; and offered certifications in diverse technologies aligned with the National Skill Qualification Framework (NSQF) and National Occupational Standards (NOS).
- Curriculum is continuously enriched with cutting-edge domains such as Artificial Intelligence, Machine Learning, Data Science, Cyber Security, Internet of Things (IoT), Electric Vehicle Systems, Smart Manufacturing, Digital Twins and Bioinformatics, ensuring future-ready graduates.
- Adoption of Choice-Based Credit System (CBCS) and Outcome-Based Education (OBE) facilitates academic flexibility and skill-oriented multi-disciplinary learning.
- Established global academic diversity by hosting over **125+** international students annually, fostering a multicultural learning environment and enhancing global perspectives across disciplines through sustained international student engagement.
- Enabled access and equity in higher education by offering **4000+** scholarships, supporting students from diverse socio-economic backgrounds.
- Strategic collaborations with leading global technology organizations such as IBM, Oracle, Microsoft, Cisco, AWS and Azure enable certification-driven learning, co-designed curricula and internship-integrated academic delivery.
- State-of-the-art laboratories and facilities, including AI labs, high-performance computing (supercomputing) infrastructure, robotics labs, metaverse studios, simulation centers and domain-specific research facilities, support advanced learning and high-impact research.

- Strong focus on experiential learning through internships, capstone projects, fieldwork, clinical training, and community-based engagement ensures practical exposure and skill development.
- Enhanced student industry preparedness through **302+** value-added courses and **60+** skill development programmes, equipping learners with relevant competencies and practical expertise.
- Societal engagement through EPICS, rural immersion, NGO internships, healthcare outreach and SDG-driven projects.
- Consistently strong placement records, coupled with a vibrant startup ecosystem and incubation support, encourage innovation, entrepreneurship and industry readiness among students.

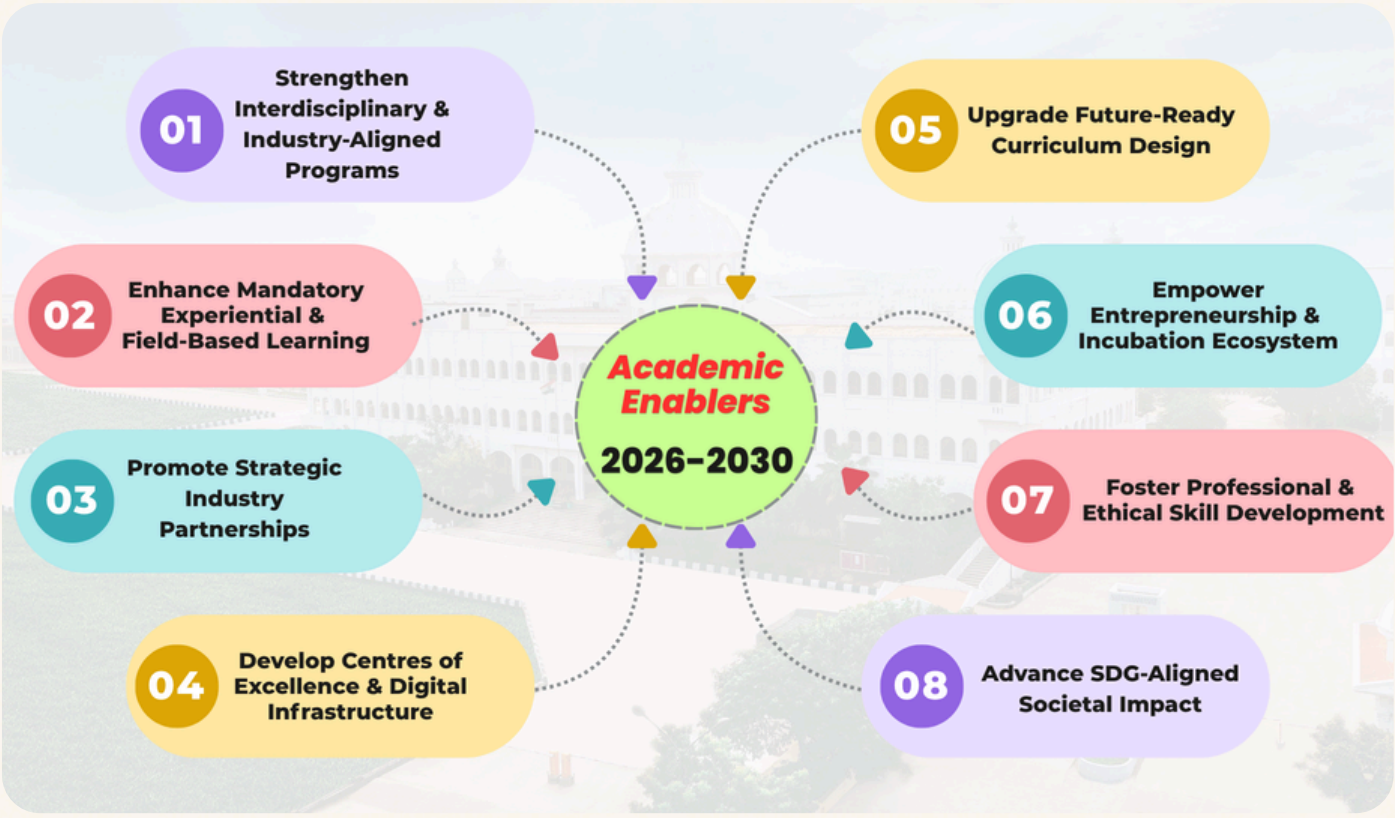




Strategic Measures (2026 - 2030)

- Strengthen curriculum governance through systematic review processes incorporating international experts and global benchmarking standards.
- Advance digital academic infrastructure through the integration of AI-driven analytics, seamless implementation of the Academic Bank of Credits (ABC), comprehensive mapping with global MOOC platforms such as SWAYAM and NPTEL, and the strengthening of Learning Management Systems (LMS) to enhance teaching, learning and academic analytics.
- Formalize adjunct faculty engagement models by establishing Standard Operating Procedures (SOPs) and structured roles in co-teaching, mentoring, and collaborative research. Expand adjunct/visiting faculty from IITs, IISc, NITs, global universities, and industry as per UGC Professor of Practice guidelines.
- Engagement with UGC Teaching Learning Centres (TLCs), MMTTCs and CDOE networks for Faculty development and capacity building, Curriculum design and outcome-based education practices, Quality assurance and accreditation preparedness and Research and academic leadership development.

- Strengthen transdisciplinary education, research, and innovation by expanding startup incubation facilities, providing seed funding, fostering industry mentorship, and developing an efficient research support system that promotes collaboration, entrepreneurship and impactful innovation
- Establish an **Industry-Academia Park** with upgraded industry-supported laboratories and Centres of Excellence to strengthen industry collaboration, enhance practical learning, promote co-teaching and live projects, provide internship opportunities and create structured pathways for student placements and career development.
- Enhance quality assurance through regular academic audits, continuous monitoring, data-driven decisions using academic analytics and KPIs, structured timelines, and periodic reviews of academic and institutional activities, while adopting international benchmarking and ranking-focused strategies.
- Enhance global partnerships through sustained funding for international collaborations, joint academic and research programs, faculty and student exchange initiatives, dual-degree opportunities, international internships, collaborative publications, and robust credit transfer frameworks to promote global exposure, academic excellence, and cross-cultural learning.
- Introduction of integrated programmes to promote seamless research-oriented academic progression, interdisciplinary learning, early research exposure and accelerated development of high-quality researchers and innovators.



RESEARCH ENABLERS

Sathyabama Institute of Science and Technology is a multidisciplinary, research-intensive institution with a strong focus on innovation and societal impact. The University hosts 18 specialized research centres in strategic areas such as Remote sensing, Atmospheric science, Climate change, Nanoscience and technology, Ocean research, Aquaculture, Animal research, Drug discovery, Molecular nanomedicine Herbal Medicine, Energy research, Non-destructive testing and evaluation, Waste management, Additive manufacturing and Agricultural research under initiatives aligned with the Ministries and other National research organizations viz., MoES, MHRD, ISRO, IGCAR and NIOT. These strategic research areas are strengthened through advanced infrastructure facilities including a Research Park, International Research Centre, National-level research facilities, AI-enabled platforms, High-Performance Computing (HPC), and multi-omics laboratories aligned with global standards. The ecosystem is further reinforced through strong national and international collaborations that promote interdisciplinary research, innovation, technology transfer, and global knowledge exchange, leading to high-quality research output and SDG-aligned impactful outcomes.

Institutional Excellence and Key Strengths (2021 - 2025)

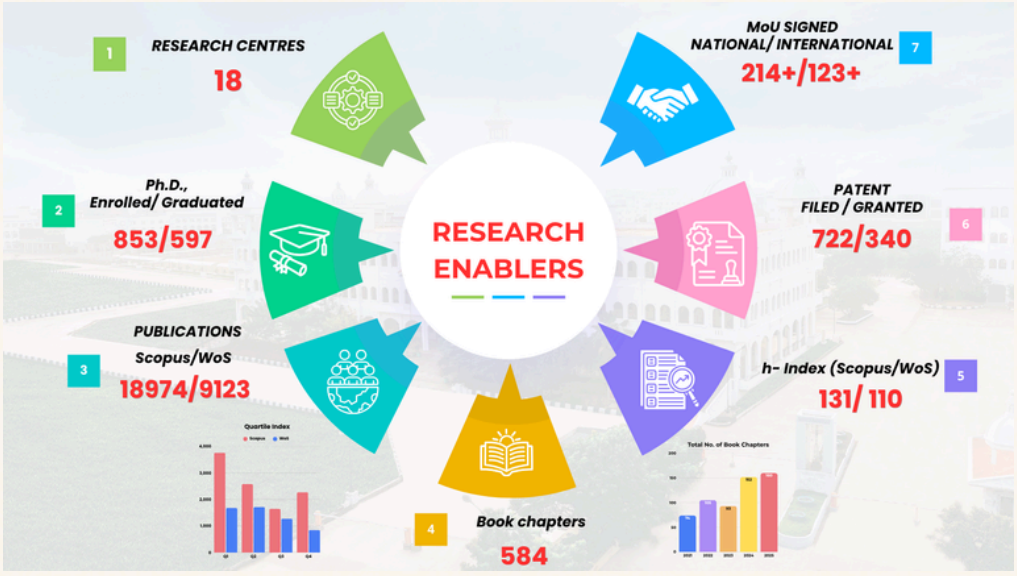
- Strengthened the research ecosystem through **18** specialized research centres, including the MHRD-supported Centre of Excellence for Energy Research, the MoES-supported National Facility for Coastal and Marine Research and Ocean Research Field Facility, and the MoES-IITM-supported Mission Mausam Urban Testbed Facility.
- Established **TIFAC Academic Partnership (TAP) Centre** in 2021 supported by Department of Science & Technology, Government of India, to identify critical gaps in industrial sectors and provide research-driven technological solutions.



- Developed **74+** state-of-the-art academic laboratories and **44+** state-of-the-art research laboratories to strengthen innovation and interdisciplinary research supported by **3** DST-FIST recognitions for research infrastructure excellence.
- Sathyabama has **18974** Scopus publications with citations **168534** and h-index of **131**; **9123** Web of Science publications with **97861** citations and h-index of **110**. Global research recognition with **16** faculty members listed among the Stanford Top 2% Scientists.
- Strong publication quality with indexed outputs across quartiles since 2020:

  Scopus - Q1 (3765), Q2 (2584), Q3 (1649), Q4 (2273)

  WOS - Q1 (1686), Q2 (1721), Q3 (1277), Q4 (848)
- Strengthened innovation ecosystem with **722** patents filed and **340** patents granted thereby promoting translational research, entrepreneurship, industry collaboration, and commercialization of innovative technologies.
- Strengthened the doctoral and post-doctoral research ecosystem through **853** Ph.D. registrations and **597** Ph.D. awardees during 2021-2025, demonstrating sustained research productivity and academic excellence.
- Sustained research funding support through sponsored projects and grants from national funding agencies, with 135 projects receiving ₹19.35 Cr in **2021** and 41 projects receiving ₹14.61 Cr in **2025**.
- Persistent industry engagement through consultancy projects, with 86 projects in 2021 and 70 projects in 2025, collectively securing grants worth **₹13** Cr, thereby reflecting continued collaboration with industry and external stakeholders.
- Achieved global recognition through prestigious fellowships and international academic mobility programmes which includes Takeda Fellowship (Japan), INSA Visiting Fellowship, Marie Skłodowska-Curie Actions-GNeuS COFUND Programme (Germany), and KA107 Erasmus+ Faculty and Staff Mobility initiatives funded by the European Union.
- Active participation in Arctic and Antarctic expeditions since 2023 has strengthened the institution's contribution to global polar research through advanced scientific investigations.
- Strengthened academic and research collaborations through **214+** National and **123+** International MoUs with reputed academic institutions, research organizations, industries and global partners facilitating collaborative research, faculty and student exchange, joint publications, internships, skill development, innovation initiatives, and global knowledge exchange.



Strategic Measures (2026 - 2030)

- Establish international joint laboratories in collaboration with leading global universities and research organizations.
- Create translational research hubs to facilitate the transition from laboratory research to pilot-scale and industrial applications.
- Develop mission-driven grand challenge research programs focusing on quantum computing, deep ocean research, climate change, public health, sustainability, and emerging technologies to attract competitive funding.
- Implement co-supervised Ph.D. programmes (dual/cotutelle models) and postdoctoral fellowships for international researchers to strengthen global research partnerships, academic mobility, and advanced research training.
- Enable faculty exchange appointments, visiting professorships, and collaborative research engagements with globally ranked institutions to strengthen international academic and research collaboration.
- Establish industry-funded research chairs and endowment professorships to promote academia-industry collaboration and innovation-driven teaching and research activities.
- Implement open science practices and data-sharing frameworks aligned with international research standards.
- Strengthen research-policy linkages through evidence-based policymaking, societal impact assessment, and technology adoption to facilitate the translation of research outcomes into national and global development strategies.



INNOVATION, INCUBATION AND INTELLECTUAL PROPERTY ENABLERS

Sathyabama Institute of Science and Technology has established a robust innovation, incubation and intellectual property ecosystem that serves as a strategic platform for fostering creativity, entrepreneurship, and technology commercialization. The institution provides a structured innovation pathway spanning ideation, fundamental research, patenting, prototyping, incubation, scaling, and market deployment through our integrated initiatives viz., Centre for Innovation and Technology Transfer, Startup Cell, Technology Business Incubator (TBI) and Institution Innovation Council (IIC). Aligned with national priorities and global best practices, the ecosystem is strengthened through effective mechanisms for intellectual property protection, technology transfer, licensing, industry collaboration, mentorship, seed funding and access to advanced research and innovation infrastructure, thereby promoting startup development, translational research and sustainable innovation outcomes.

Institutional Excellence and Key Strengths (2021 - 2025)

- Established a well-integrated research-to-commercialization and multi-tier innovation ecosystem connecting laboratories, research centres, startups and industries.
- Robust IP facilitation mechanisms supporting efficient patent filing, prosecution, portfolio management, licensing and technology transfer.
- SU-TBI achieved significant recognition by being ranked among the **Top 13** Incubators in 2021, elevated to the **Top 5** Incubators in 2022 and the prestigious **Scale-Up Incubator Award** in 2025 from StartupTN, reflecting its sustained excellence in startup incubation, innovation support and entrepreneurial ecosystem development.
- **9** innovative products received financial assistance for patent filing under the AICTE–KAPILA (Kalam Program for IP Literacy and Awareness) scheme (2022-23), promoting intellectual property creation and innovation-driven research.
- Sathyabama Institution's Innovation Council (IIC) was selected to mentor 5 institutions under the AICTE-MIC Mentor-Mentee Programme, while faculty members were recognized as **Mentor of Change** and **Regional Mentor** under the Atal Tinkering Lab initiative, demonstrating leadership in innovation, entrepreneurship and institutional capacity building.
- SU-TBI launched **CORAL - A Blue Economy Cohort** in association with StartupTN in 2023 to accelerate startups working in the blue economy sector by providing mentorship, incubation support, industry collaboration, market access, and innovation-driven solutions for sustainable marine and coastal economic development.
- Access to Makerspace Lab and advanced prototyping labs, testing facilities, technology validation platforms, empowers innovators to transform ideas into real-world prototypes through cutting-edge tools, collaborative creativity, and hands-on experimentation.

- Innovation, Incubation and Entrepreneurship Outcomes

  i) Developed **185+** products and successfully transferred technologies to industry, demonstrating strong applied research and real-world deployment.
  ii) Onboarded **150+** startups with **100+** student startups, showcasing strong entrepreneurial engagement and innovation-driven learning.
  iii) **80+** startups supported through structured incubation generating 400+ employment opportunities.
  iv) Significant funding support, including **45+** lakhs for student startups.
  v) Incubated startups have raised **₹30+** Cr of private investment and **17+** startups supported by **₹2.5 Cr** through Government schemes (Startup India Seed Fund Scheme) against a total sanctioned amount of **₹5.25 Cr.**

- Growing focus on high Technology Readiness Level (TRL)-driven innovation and translational research enable transformation of laboratory-scale ideas into market-ready technologies.

Strategic Measures (2026 - 2030)

- Establish sector-focused **Centres of Excellence (CoEs)** and **Deep-Tech Research Parks** in emerging technology domains with government-supported shared infrastructure to promote research commercialization, innovation, incubation for startups, MSMEs and research scholars.
- Develop a **Hub-and-Spoke Innovation** and **Entrepreneurship Model** in which the TBI and Startup Cell act as the central innovation hub, and academic departments function as focal nodes to strengthen the startup-driven ecosystem across the institution.
- Strengthen IP governance, protection, licensing and technology transfer frameworks.
- Expansion of incubation support and funding facilitation to enhance startup scalability and sustainability.
- Facilitation of startup-driven job creation by supporting ventures in scaling, market access and operational expansion.
- Advancement of prototyping, validation and deep-tech infrastructure to improve Technology Readiness Levels (TRL).
- Promotion of interdisciplinary and sector-specific research with a focus on commercially viable outcomes and patent-to-product development.
- Strengthening industry engagement through mentorship, co-development, investor networks and global collaborations.
- Capacity building in IP management, entrepreneurship, and research monetization with legal and compliance support.
- Institutionalization of outcome-based monitoring systems to track innovation, IP performance and commercialization impact.

HUMAN RESOURCE AND SUPPORTIVE – FACILITATIVE ENABLERS

Sathyabama Institute of Science and Technology has consistently strengthened a people-centric academic ecosystem by promoting faculty welfare, professional advancement, inclusivity and employee well-being as a key driver of academic and research excellence. The institution emphasizes continuous faculty development, international mobility and sabbatical opportunities, collaborative research exposure, leadership training and academic recognition mechanisms to enhance teaching and research excellence. Supportive measures including maternity leave, childcare support, medical benefits, flexible work provisions, employee wellness initiatives, and career progression frameworks contribute to a balanced and inclusive work environment. These facilitative practices collectively foster institutional productivity, talent retention, academic motivation and long-term human resource sustainability.

Institutional Excellence and Key Strengths (2021 - 2025)

- Established transparent and outcome-oriented HR and performance assessment systems through API Score, to strengthen institutional efficiency, accountability, academic quality, and professional growth.
- Strengthened faculty development and recognition systems through professional development initiatives through SEED fund scheme for **1300+** faculty members receiving cash awards exceeding **₹5.0+** Cr during 2021-2025 to promote teaching excellence, research productivity, and innovation.
- "**SHE First – ANBU Health Card**" launched in 2024 is a women-centric healthcare and wellness initiative to women staff, girl students and women in public service/community roles to access free health screenings and diagnostic services through Sathyabama Hospital.
- Enhanced student mentoring, career guidance, internship support and skill development initiatives to improve employability, academic progression and holistic development.
- Strengthened student support and inclusivity through 100% scholarships for **4000+** meritorious students from economically weaker sections in collaboration with the Anbu Foundation, promoting equitable access to higher education.
- Strengthened global academic engagement and experiential learning with institutional funding support of **₹1 Cr** for international internships, mobility programmes, summer schools, inbound exchange initiatives, and faculty development activities in collaboration with leading global institutions including National University of Singapore, Nanyang Technological University, London School of Economics and Political Science, Purdue University, Georgia Institute of Technology, George Mason University, Binghamton University, Oakland University, Universidad Finis Terrae, Adam Mickiewicz University, Institut supérieur d'électronique de Paris and Universiti Sains Islam Malaysia.
- **12 SAARATHIs** were nominated as campus ambassadors of NEP-2020 to create awareness about the policy's objectives, reforms and opportunities within the campus community.

- **150+** active clubs and professional chapters fostered student engagement, leadership development, innovation culture, and holistic learning by promoting technical competency, entrepreneurship, social responsibility, cultural diversity, and interdisciplinary collaboration.
- Strengthened industry-academia engagement through internships, collaborative training, consultancy and applied research initiatives to support experiential learning and translational outcomes.
- Enhanced digital HR and academic administration systems to improve service delivery, institutional coordination and operational efficiency.

Strategic Measures (2026 - 2030)

- Establish globally benchmarked faculty excellence frameworks integrating academic leadership, research productivity, innovation, and international engagement.
- Strengthen global faculty mobility, sabbatical opportunities, and collaborative academic partnerships to enhance research and teaching excellence.
- Implement advanced talent acquisition, retention, and capacity-building systems for faculty, researchers and Professors of Practice.
- Enhance employee welfare frameworks through maternity support, healthcare, childcare assistance, wellness initiatives and work–life balance measures.
- Strengthen student success ecosystems through mentorship, career development, global exposure, internships, and industry-aligned skill enhancement.
- Develop inclusive industry-academia engagement platforms promoting experiential learning, translational research, innovation and professional excellence.
- Strengthen integrated digital HR and academic administration systems through data-driven governance.



NETWORKING AND COLLABORATION ENABLERS

Sathyabama Institute of Science and Technology has established a dynamic and expanding collaborative ecosystem that strengthens academic excellence, research impact, global engagement, and sustainability. The university actively fosters strategic partnerships with industry, national and international universities, research organizations, NGOs and local communities, thereby enabling interdisciplinary research, knowledge exchange, and experiential learning opportunities. Institutional platforms such as the Sathyabama Research Park, International Research Centre, Sathyabama Centre for Advanced Studies and Research Pavilion facilitate collaborative research, internships, consultancy and innovation-driven initiatives. Over the past five years, the University has witnessed significant growth in academic and research collaborations, mobility programmes and global engagement, reinforcing its position as a globally connected and innovation-led institution.





Institutional Excellence and Key Strengths (2021 - 2025)

- Established a strong network of **214+** National and **123+** International MoUs to promote academic collaboration, research partnerships, student mobility and institutional development.
- Strengthened global engagement through student exchange programmes and faculty mobility initiatives with reputed international universities to enhance academic and cultural exposure.
- Enhanced internationalization on campus by facilitating interactions with overseas students and faculty through academic visits, collaborative programmes and cross-cultural engagements.
- Achieved consistent recognition through international excellence awards, reflecting the institution's commitment to global standards in academics, research and innovation.
- Expanded industry-academia partnerships to provide internships, live projects, consultancy opportunities and applied research experiences aligned with industry needs.
- Promoted interdisciplinary and multi-institutional research collaborations to strengthen innovation, knowledge sharing, and high-impact research outcomes.
- Strengthened the innovation and startup ecosystem through strategic collaborations with industries, research organizations, incubators, and entrepreneurial support agencies.
- Facilitated continuous knowledge exchange through conferences, workshops, seminars, faculty interactions, and collaborative academic platforms at national and international levels.

Strategic Measures (2026 - 2030)

- Expand and strengthen national and international collaborations to enhance research quality, academic excellence, innovation capacity, and global institutional visibility.
- Deepen industry–academia engagement to promote applied research, internships, consultancy, experiential learning, and improved graduate employability outcomes.
- Enhance global mobility programmes for students and faculty through academic exchanges, collaborative learning, international internships, and cross-cultural exposure.
- Promote interdisciplinary and multi-institutional collaborations in emerging, strategic, and priority research domains to address global and societal challenges.
- Leverage institutional partnerships to increase research funding opportunities through joint proposals, sponsored projects, consultancy services, innovation initiatives, and technology transfer activities.
- Strengthen collaboration-driven innovation ecosystems by fostering effective linkages among academia, industry, startups, incubators, and research organizations.
- Enhance global presence and institutional recognition through active participation in international academic programmes, collaborative initiatives, global networks, and excellence awards.
- Promote community and societal collaborations aligned with national development priorities and Sustainable Development Goals (SDGs) through outreach, extension, and socially impactful projects.
- Conduct national and international workshops, conferences, exhibitions, and collaborative academic forums to share industry best practices, showcase innovations, facilitate knowledge exchange, and exhibit products and solutions developed through institutional partnerships.
- Strengthen alumni engagement through regular academic, research, innovation, entrepreneurship, and startup-oriented activities that contribute to institutional growth and professional networking.



PHYSICAL ENABLERS

Sathyabama Institute of Science and Technology has established a robust, future-ready and globally aligned physical infrastructure ecosystem that underpins academic excellence, research innovation and holistic student development within a self-sustained and integrated campus framework. The institution features technology-enabled classrooms, smart learning spaces, advanced laboratories, and high-capacity auditoria with modern amenities, energy-efficient systems, 24/7 RO drinking water and hygienic dining services. The campus promotes holistic development through extensive Indoor and Outdoor sports facilities, air-conditioned gymnasia and recreational spaces, while ensuring safe mobility through well-planned internal connectivity and pedestrian-friendly pathways.

Institutional Excellence and Key Strengths (2021 - 2025)

- Established a comprehensive, student-centric physical infrastructure ecosystem that extends beyond statutory compliance requirements, supporting academic excellence, research advancement, innovation, and holistic student development.
    - Sathyabama Centre for Advanced Studies
    - St. Paul's Block for the School of Computing
    - National Facility for Coastal and Marine Research
    - Ocean Research Field Facility
    - Research Pavilion
    - Student Startup Cell
    - Innovation Hangar
    - Architecture Ideation Studios
    - Additional MBA academic blocks
    - Specialized laboratories for Physiotherapy, Nursing, and Pharmacy programmes.
- Strengthened student support infrastructure through the establishment of
    - Dr. Jeppiaar Boys Hostel
    - Additional air-conditioned hostel facilities
    - High-capacity mess hall accommodating 5000 members
    - Expanded indoor sports
    - Recreational facilities including a Pickleball Court and
    - Wi-Fi-enabled student engagement spaces
- ·Reinforced sustainable and inclusive campus development through
    - Rainwater harvesting systems
    - Energy-efficient infrastructure
    - Biogas plant with 1-tonne digester capacity
    - Solar-powered illuminated pathways
- ·Facilitated safe and reliable commuting through cost-free institutional transport services for students and faculty across Chennai and Sriperumbudur campuses.
- ·Implemented eco-friendly and inclusive mobility systems including battery-operated vehicles, pedestrian-friendly pathways, and lift-enabled buildings to ensure barrier-free accessibility for Persons with Disabilities (PwDs).

- Advanced green campus initiatives through renewable energy adoption, effective waste management systems, sustainable landscaping practices, and environmentally conscious campus operations.
- Adopted green building practices emphasizing natural ventilation, daylight optimization, energy conservation, and sustainable construction methodologies to support long-term environmental sustainability and campus well-being.

Strategic Measures (2026 - 2030)

- Develop globally benchmarked academic and research infrastructure aligned with national and international quality and compliance frameworks in Chennai and Sriperumbudur campus.
- Establish Quantum Lab facilities to support emerging interdisciplinary academic and research programmes.
- Develop a state-of-the-art Convention Center with a large seating capacity incorporating modern auditoriums, conference halls, seminar facilities, computing centers, and dedicated spaces for cultural, creative, and media-related activities including dance, music, and recording studios.
- Strengthen campus power infrastructure through the establishment of a high-capacity electrical substation to ensure reliable, uninterrupted, and scalable energy support for academic, research, residential, and administrative facilities.
- Expand student residential infrastructure through the development of modern, air-conditioned high-rise hostel facilities for both male and female students, aligned with international standards of comfort, safety, and student well-being.
- Establish new large-capacity dining facilities designed for single sitting, ensuring efficient, hygienic, and student-friendly food service infrastructure.
- Develop a new administrative complex to enhance operational efficiency and strengthen integrated academic and administrative governance systems.
- Establish additional state-of-the-art laboratories for collaborative research to strengthen global competitiveness.
- Establish dedicated international student residences with world-class amenities and support services.
- Advance next-generation digital and smart campus infrastructure integrating IoT-enabled monitoring and intelligent facility management systems.
- Upgrade library infrastructure into hybrid knowledge hubs with advanced digital repositories and global access platforms.
- Enhance universal accessibility infrastructure based on international inclusive design standards for Persons with Disabilities (PwDs).
- Integrate ESG-driven campus planning incorporating environmental sustainability, safety, and risk governance frameworks.
- Promote green building and climate-responsive infrastructure adopting internationally recognized sustainability protocols.
- Strengthen institutional transport systems across both campuses to ensure safe and efficient connectivity for students and faculty.

DIGITAL ENABLERS

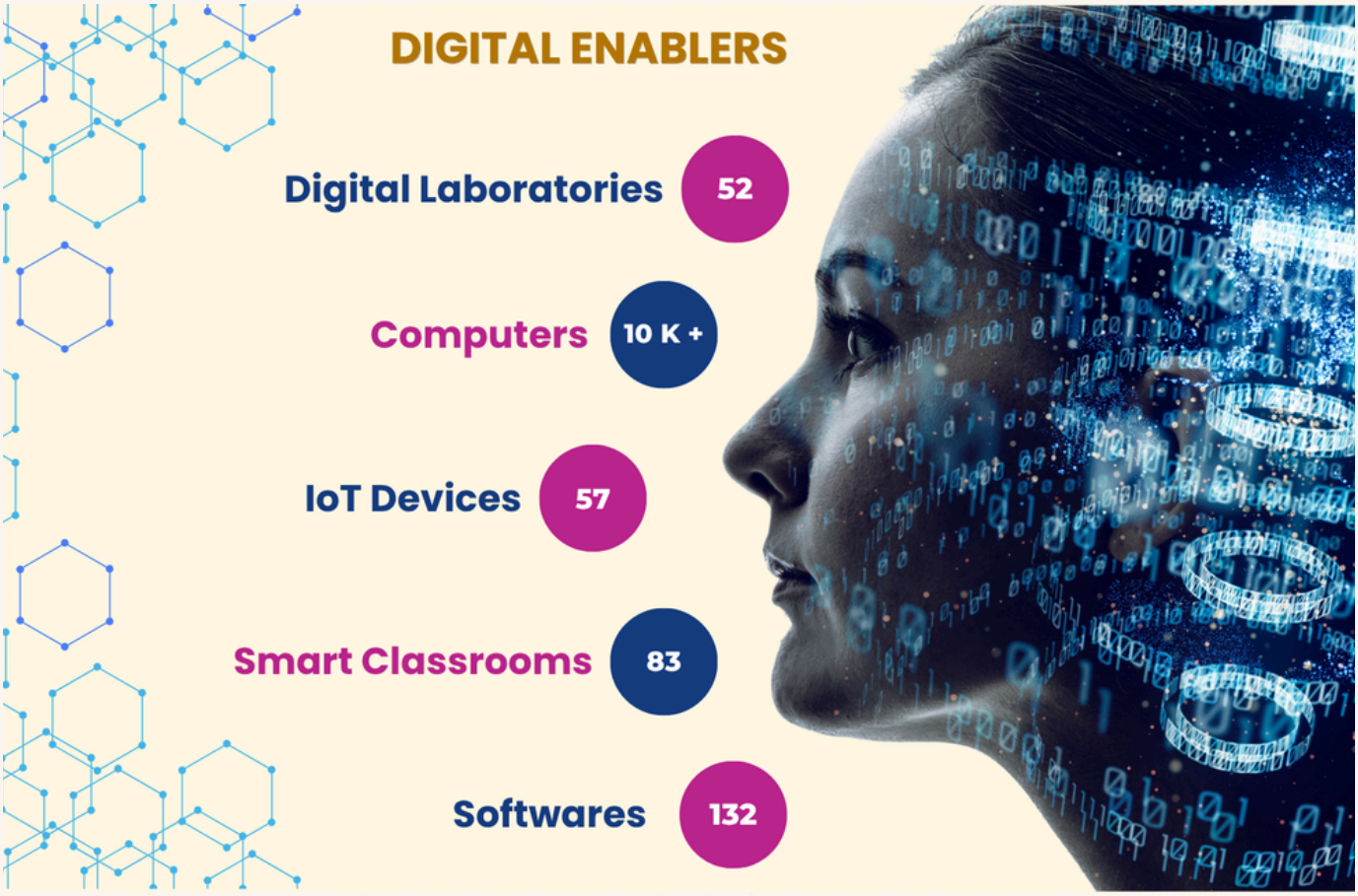
Sathyabama Institute of Science and Technology has established a robust digital ecosystem driven by Information and Communication Technologies (ICT), enabling seamless integration of teaching, learning, research, governance, and administration. The institution has adopted advanced digital platforms, including Learning Management Systems (LMS), ERP systems, cloud infrastructure, and high-speed connectivity. The digital transformation aligns with NEP 2020 vision of building digital university through scalable, interoperable, secure and inclusive digital ecosystem.

Institutional Excellence and Key Strengths (2021 - 2025)

- Established a comprehensive ICT-enabled digital ecosystem across academic and administrative domains.
- Augmented robust network infrastructure with **4 Gbps** internet bandwidth at the Chennai campus and **1 Gbps** internet bandwidth at the Sriperumbudur campus, enabling seamless connectivity for e-learning, online research, and administrative operations.
- Fortified computing and software resources with more than **10,000** computers across campuses.
- Advanced academic and research capabilities through the deployment of **132** software platforms, comprising, **69** Commercial Software, **51** Open-Source Softwares and 12 Proprietary Software.
- Implemented LMS-based blended and hybrid learning models.
- Developed integrated ERP systems for academic, financial and administrative management.
- Strengthened cloud-based data storage and digital content management systems.
- Integrated emerging technologies such as AI, IoT, AR/VR, simulation tools, and big data analytics into teaching and research.
- Established virtual laboratories and digital learning environments for experiential education.
- Enhanced cybersecurity frameworks and data privacy mechanisms.
- Expanded digital library resources and remote access academic platforms.







Strategic Measures (2026 - 2030)

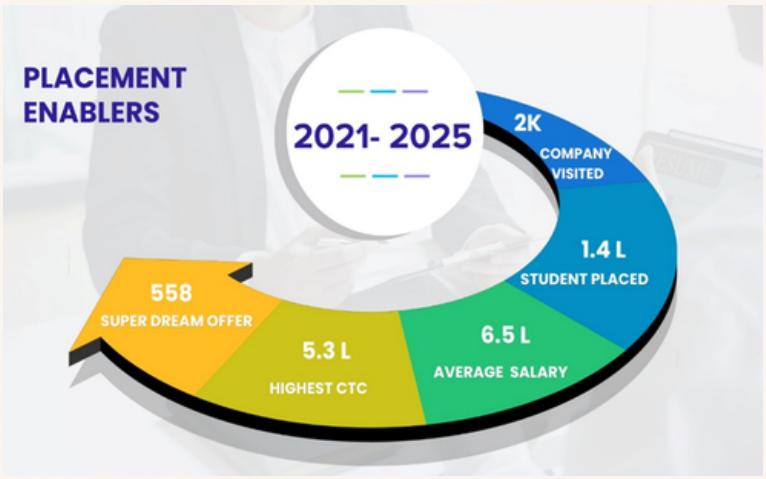
- ·Develop an integrated smart digital campus ecosystem with AI-enabled systems to support seamless academic, research, and administrative functions.
- ·Strengthen high-speed connectivity and scalable ICT infrastructure across all academic and institutional units.
- ·Expand immersive digital learning facilities through AR/VR technologies, simulation platforms, and virtual laboratories.
- ·Establish advanced data analytics systems to support academic planning, governance, and informed institutional decision-making.
- ·Enhance cybersecurity infrastructure and implement robust data protection practices aligned with global standards.
- ·Create a centralized digital repository for storing, managing, and accessing multi-modal academic and institutional content.
- ·Develop high-quality online learning materials through multimedia and digital video centres to support NPTEL, MOOCs, and blended learning initiatives.

PLACEMENT ENABLERS

Sathyabama Institute of Science and Technology has developed a comprehensive and future-ready Training and Placement ecosystem aligned with globally recognized academic and industry standards to enhance graduate employability and industry readiness. The institutional framework strategically integrates academic excellence with competency development, experiential learning, internships, industry-aligned training, and sustained corporate engagement to bridge the gap between academia and evolving workforce requirements.

The ecosystem strengthens students' technical expertise, problem-solving ability, communication skills, and professional competencies through structured aptitude training, domain-specific certifications, hands-on learning, and exposure to emerging technologies. Experiential learning opportunities including internships, live projects, industrial visits, and collaborative industry assignments provide practical exposure and real-world application of knowledge. Through continuous engagement with national and international industries via recruitment drives and industry advisory interactions, the institution ensures alignment with current and future industry expectations.

Institutional Excellence and Key Strengths (2021 - 2025)



- Maintained steady growth in campus placement percentages with successful recruitment across all academic programs. We are placing more than 93% of our students consistently, every year.
- Demonstrated consistent industry confidence in graduate employability and skill readiness through recurring recruiters visiting us every year.
- Increased the number of national, multinational, and emerging companies participating in campus recruitment drives with **500+** companies visiting annually for recruitment.
- Improved student performance in aptitude tests, interviews, coding assessments, and professional communication. Significant increase in high-value opportunities with **283+ s**uper Dream offers in 2025 with the maximum CTC up to **Rs. 53** LPA.
- Strong placement performance with approximately **4000+** students placed in 2025.
- Strengthened industry-oriented skill development and industry-academia collaboration through regular technical training, aptitude coaching, communication and career readiness programmes, internships, guest lectures, workshops, industrial visits, and collaborative projects, resulting in enhanced practical exposure and improved internship-to-placement conversion outcomes for students.

Strategic Measures (2026 - 2030)

- Introduce advanced technical, analytical, and domain-specific training programmes along with regular aptitude, coding, communication and soft-skill enhancement sessions, while encouraging students to obtain industry-recognized certifications to strengthen employability and professional competencies.
- Strengthen long-term industry partnerships through internships, industrial visits, guest lectures, live projects, and industry advisory boards to support curriculum development, experiential learning, and placement guidance.
- Continuously enhance the curriculum by integrating emerging technologies, market trends, experiential learning, project-based learning, interdisciplinary programmes, research, innovation and entrepreneurship initiatives to ensure academic relevance and industry readiness.
- Expand the recruiter network by increasing engagement with multinational corporations, startups and core industries, while diversifying placement opportunities across sectors and strengthening alumni support for recruitment and professional networking.
- Enhance career readiness and professional development through mock interviews, group discussions, career guidance programmes, leadership development, teamwork, workplace ethics training, professional communication, personalized mentoring and career counselling support.
- Increase experiential learning opportunities through expanded internship collaborations, industry projects, hackathons, competitions, and employer engagement initiatives aimed at improving internship-to-placement conversion outcomes.
- Strengthen employer branding and institutional visibility by showcasing placement achievements, student success stories, institutional strengths, digital outreach initiatives, placement reports, social media engagement, recruitment conclaves and professional networking events.
- Implement data-driven placement management systems through placement analytics, recruiter feedback mechanisms, student performance tracking, placement trend analysis and employer satisfaction assessments to support continuous improvement in recruitment strategies.
- Expand global and emerging career opportunities by promoting international internships, global placement collaborations and career pathways in emerging domains such as artificial intelligence, data science, sustainability and digital technologies, while also supporting higher education and entrepreneurship aspirations.
- ·Develop a sustainable and scalable placement ecosystem through continuous training, quality improvement initiatives, strategic industry engagement and consistent enhancement of placement percentages, career outcomes, and salary packages.

SUSTAINIBILITY ENABLERS

Sathyabama Institute of Science and Technology has aligned its academic and research ecosystem with the United Nations Sustainable Development Goals (SDGs), demonstrating strong global sustainability performance achieving a global rank of **759**, **236th** in Asia and **31st** in India in the QS Sustainability Rankings 2026, **401-600** band in THE Impact Rankings 2025, and **53rd** in NIRF 2025 reflecting its integrated approach to sustainability-driven education, research and innovation. Our Institution's SDG contributions are driven through its specialized research centres, schools and departments working in a coordinated interdisciplinary framework as follows:

- Centre for Drug Discovery and Development and Centre for Laboratory Animal Technology and Research, along with the School of Pharmacy, Dental Sciences, Nursing, and Allied Health Sciences, advances SDG 3 (Good Health and Well-being) through healthcare innovation and biomedical research.
- Centre for Energy Research with the Departments of Electrical and Electronics Engineering and Mechanical Engineering supports SDG 7 (Affordable and Clean Energy).
- Centre for Waste Management and Department of Chemical Engineering contribute to SDG 12 (Responsible Consumption and Production).
- Centre for Climate Change Studies, Centre for Earth and Atmospheric Science, and Department of Civil Engineering drive SDG 13 (Climate Action).
- Centre for Remote Sensing and Geoinformatics supports SDG 11 (Sustainable Cities and Communities).
- Centre for Ocean Research, Centre for Aquaculture, and Department of Biotechnology contribute to SDG 14 (Life Below Water) and SDG 15 (Life on Land)
- Centre for Nanoscience and Nanotechnology and Centre for Molecular and Nanomedical Sciences, Centre for Quality Assurance and Non-Destructive Evaluation strengthen industrial innovation by contributing to SDG 9 (Industry, Innovation and Infrastructure).
- Centre for Bioresource Research and Development and School of Bio and Chemical Engineering contribute to SDG 2 (Zero Hunger), School of Management Studies, School of Law, and School of Science and Humanities support SDG 8 (Decent Work and Economic Growth) and SDG 16 (Peace, Justice and Strong Institutions)
- Centre for Academic Partnership and International Relations strengthens SDG 17 (Partnerships for the Goals), while institution-wide initiatives reinforce SDG 4 (Quality Education) and SDG 5 (Gender Equality) through inclusive learning, research integration and community engagement.



Institutional Excellence and Key Strengths (2021 - 2025)

- Attained significant global recognition in the QS Sustainability Rankings 2026, securing **759th** position globally, **236th** in Asia, and **31st** in India.
- Secured a position in the 401-600 band in the Times Higher Education Impact Rankings 2025, reflecting the institution's strong commitment and contributions toward the United Nations Sustainable Development Goals (SDGs).
- Demonstrated commendable performance across multiple SDG categories, including SDG 14 (**89th rank**); SDG 6 and SDG 15 (**101-200 band**); SDG 9 (**301-400 band**); SDG 7, SDG 10, and SDG 13 (**401-600 band**); and SDG 1 and SDG 3 (**801-1000 band**).
- Strengthened integration of sustainability across curriculum, interdisciplinary research, and institutional governance frameworks.
- Expanded research outputs in climate change, marine ecosystems, renewable energy, and environmental sustainability domains.
- Established and operationalized green campus systems, including comprehensive waste management (solid, liquid, e-waste, biomedical), water conservation, and energy-efficient infrastructure.
- Institutionalized sustainability awareness through regular observance of global environmental events such as Environment Day, Earth Day, Ocean Day and related campaigns.
- Implemented targeted community outreach initiatives for rural, tribal and fisher communities, focusing on livelihood enhancement and environmental resilience.
- Promoted experiential and field-based learning, strengthening student participation in sustainability and service-oriented programs.
- Integrated sustainability into institutional policies, planning processes and decision-making systems, ensuring long-term strategic alignment.



Strategic Measures (2026 - 2030)

- Institutionalize a comprehensive SDG-aligned governance framework, ensuring integration across academic, research, administrative and operational units with defined accountability mechanisms.
- Strengthen laboratory quality systems through NABL accreditation, advanced QA/QC practices, standardized protocols, and compliance with national and international testing standards.
- Advance the transition towards a climate-resilient, resource-efficient, and low-carbon campus, emphasizing renewable energy adoption, circular resource use, and sustainable infrastructure systems.
- Expand interdisciplinary research and innovation ecosystems focused on sustainability challenges, promoting translational research, technology development and industry partnerships.
- Embed sustainability principles, climate literacy, and environmental ethics across all academic programs through curriculum reform, experiential learning and outcome-based education.
- Strengthen structured community engagement models, particularly for fisher communities, tribal populations and coastal regions, focusing on resilience building and sustainable livelihoods.
- Transform environmental commemorative events into outcome-oriented programs with measurable impacts, long-term engagement and community participation.
- Enhance national and international collaborations, fostering joint research initiatives, academic exchange and multi-institutional partnerships in sustainability domains.
- Establish data-driven monitoring and reporting systems, incorporating sustainability metrics, benchmarking frameworks, and periodic assessment aligned with global standards and SDG indicators.
- Establish a Green Campus Club to organize sustainability activities, environmental awareness campaigns, and community outreach programs across the campus.
- Integrate student well-being initiatives, mental health support systems and inclusive campus practices aligned with SDG 3 (Good Health and Well-being) and SDG 10 (Reduced Inequalities).
- Develop and maintain a campus biodiversity inventory documenting flora, fauna, and bird species, while creating native plant conservation zones aligned with SDG 15 (Life on Land).



Best Practices

- Transparent and digitally enabled governance ensuring accountability, quality assurance, financial sustainability and institutional excellence.
- Future-ready interdisciplinary academic ecosystem aligned with NEP 2020, integrating emerging technologies, global collaborations and experiential learning.
- High-impact research ecosystem strengthened through advanced research centres, funded projects, global collaborations and strong publication and patent outcomes.
- Integrated innovation and entrepreneurship ecosystem promoting startup incubation, IP facilitation, technology transfer and market-ready innovations.
- Performance-driven and inclusive HR ecosystem supporting faculty development, mentorship, wellness and digital administration.
- Equitable student support ecosystem providing scholarships for meritorious students from economically weaker sections through collaboration with the Anbu Foundation.
- Strong national and international collaboration networks fostering research partnerships, mobility programmes and industry engagement.
- Student-centric and sustainable physical infrastructure supporting academics, research, innovation and inclusive campus development.
- Comprehensive ICT-enabled digital ecosystem integrating ERP, LMS, AI technologies, cybersecurity and virtual learning environments.
- Industry-oriented placement ecosystem strengthened through skill training, internships, industry collaboration and career readiness programmes.
- Institution-wide sustainability ecosystem integrating SDGs, green campus initiatives, community outreach and environmental responsibility.

SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)
CATEGORY - 1 UNIVERSITY BY UGC
Accredited with 'A++' grade by NAAC

CHENNAI

Phone: 044-2450 3150 / 51 / 52 / 54 / 55
Toll-Free Number: 1800 425 1770
Email: admissions2026@sathyabama.ac.in
Mobile: +91 99400 58263 / 99401 68007
Fax: 044-2450 2344

SRIPERUMBUDUR

Phone: 044-46 824 222 / 333
Toll-Free: 1800 425 1770
Email: admissions2026.spd@sathyabama.ac.in
Campus Address: Vadamangalam,
Sriperumbudur – 602 108, Tamil Nadu, India

Download App

Download on the App Store

GET IT ON Google Play

www.sathyabama.ac.in

whatsapp.com/channel/0029VaLK6a1GufIqtuMp143r

SathyabamaOfficial

SathyabamaSIST

Sathyabama.official

@sathyabamaofficial