



# **SATHYABAMA**

**INSTITUTE OF SCIENCE AND TECHNOLOGY**

**(DEEMED TO BE UNIVERSITY)**

**Accredited A++ Grade by NAAC | 12B Status by UGC | Approved by AICTE**

**www.sathyabama.ac.in**

## **QUALITY INITIATIVES- by IQAC-2024-25**

**Sathyabama Institute of Science and Technology**

**for the academic year 2024–2025**

### **1. Academic and Research Excellence**

- Encouraged **faculty to publish at least three research papers annually**, including at least one in **Q1 journals**.
- Instituted **mandatory patent filing** or publication per faculty per year.
- Promoted **open-access publishing** to enhance citation count and institutional H-index (target: 150+).
- Implementation of **department-level journals** and **journal clusters** for cross-disciplinary collaboration.
- Emphasis on **faculty development through AICTE and Malaviya Mission** teacher training programs.

### **2. Curriculum Innovation and NEP 2020 Implementation**

- Introduced **Credit Transfer System** for NPTEL (up to 40% per semester).
- Rolled out **Honors and Minor Degrees** via NPTEL.
- Embedded **Indian Knowledge Systems (IKS)** and **SDG** themes into the curriculum.
- Adoption of **Accelerated, Extended, and Apprenticeship Embedded Degree Programs**.
- Established a **Teaching-Learning Centre (TLC)** under IQAC to promote modern pedagogies and continuous improvement.

### **3. Assessment and Accreditation Readiness**

- Regular internal review of compliance with **UGC 49-Point Guidelines** (currently compliant with 41).
- Actions initiated for securing **NBA accreditation** and alignment with **ABET standards**.
- Implementation of **EOMS 21001:2018 ISO documentation standards** across all academic records.

### **4. Innovation, Entrepreneurship, and Start-up Ecosystem**

- Organization of **FDPs and events on IPR and Innovation**.



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- Active promotion of **entrepreneurship training** and **start-up funding avenues** (e.g., AICTE KAPILA).
- Faculty encouraged to participate in **Technology Business Incubator (TBI)** activities.
- Departments tasked with forming **five active Centers of Excellence (COEs)** or **Competence Centers**.

## 5. Global and Industrial Engagement

- Launched **faculty internship programs**, including placements in **foreign institutions**.
- Promoted **industry-certified training** for faculty and students.
- Encouraged partnerships with **industry-owned academic institutions**.
- Proposed **Professional Society formations** (minimum three per department/month).

## 6. Student-Centric Development

- Emphasis on **student-centered curriculum design**.
- Mandatory **audit courses** and **skill-based training** to enhance placement readiness.
- Introduced **AICTE PARAKH** aptitude assessments for students.
- Initiated **alumni engagement programs** and **student-alumni interaction forums**.

## 7. Institutional Planning and Strategic Development

- Developed **Strategic and Institutional Development Plans (IDP)** with departmental input.
- Conducted **SWOT analyses across departments** to identify growth opportunities.
- Adopted a **bottom-up approach** for goal setting and strategic alignment.

## 8. Sustainability and Social Responsibility

- Launched **green initiatives and sustainability projects** institution-wide.
- Active alignment of academic and outreach activities with **Sustainable Development Goals (SDGs)**.
- Promoted participation in **Unnat Bharat Abhiyan (UBA)** and community-based awareness programs.

## 9. Capacity Building and Administrative Reforms

- Introduced **capacity-building programs for non-teaching staff**.
- Proposed a **metric-based system** for real-time faculty workload monitoring.
- Emphasized **data transparency and accessibility** across departments.



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- Standardization of feedback templates and regular collection of stakeholder feedback.

## 10. Recognition and Continuous Improvement

- Strengthened faculty recognition and reward systems.
- Institutionalized feedback-driven improvements and performance benchmarking.

**Dr. Anima Nanda**

(Dean- IQAC)

**Dr. T. Sasipraba**

(Vice-Chancellor)