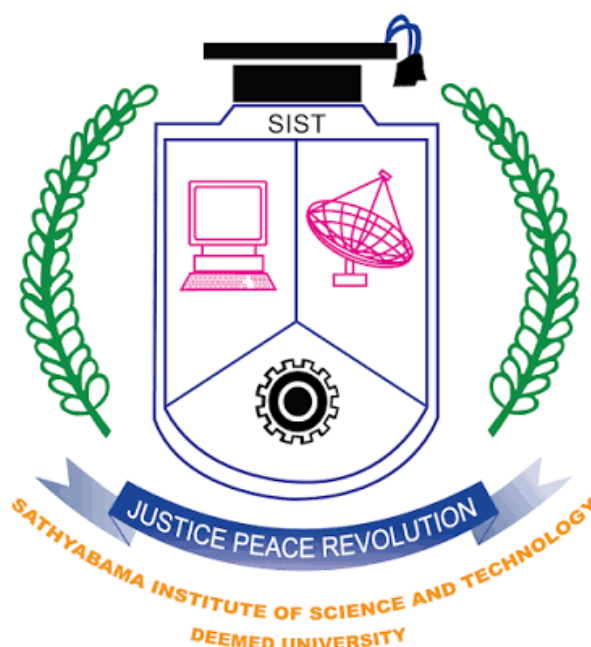


CURRICULUM DESIGN AND DEVELOPMENT POLICY

2026 Edition

Policy No. : EOMS 21001: 2018/Pol/AE/2025-2026/01



**Sathyabama Institute of Science and Technology
(Deemed to be University)**

Rajiv Gandhi Salai, Chennai – 600119, Tamil Nadu, India

TABLE OF CONTENTS

Sl. No.	Section	Page No.
1	Preamble	3
2	Scope and Framework	3
3	Curriculum Design Process	4
3.1	Need Assessment	4
3.2	Curriculum Design and Development	4
3.2.1	Planning	5
3.2.2	Content Development	5
3.3	Recommendations by Board of Studies (BoS)	5
3.4	Approval by Academic Council	5
4	Implementation of Curriculum	5
5	Curriculum Assessment and Improvement	5
6	Stakeholder Feedback	5
7	Mapping of Graduate Attributes	5
8	Assessment of Course Learning Outcomes	6
9	Revision and Power to Modify	6

DOCUMENT CONTROL SHEET

Particulars	Details
Policy Title	Curriculum Design and Development Policy
Policy Number	EOMS 21001: 2018/Pol/AE/2025-2026/01
Version Number	4.0
Date of Approval	03/07/2026
Reviewed By	IQAC
Approved By	Executive Council
Review Frequency	Once every Three Years
Next Review Due	02/07/2029
Policy Status	Active

DOCUMENT CLASSIFICATION : This document constitutes an official policy of the Deemed to be University. The provisions of this policy shall be implemented and interpreted in accordance with the applicable statutory and regulatory requirements, and in conjunction with other relevant policies, regulations, ordinances, and guidelines of the Institution.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

CATEGORY - 1 UNIVERSITY BY UGC

Accredited with 'A++' grade by NAAC | Approved by AICTE

www.sathyabama.ac.in

CURRICULUM DESIGN AND DEVELOPMENT POLICY

1. PREAMBLE

Sathyabama Institute of Science and Technology recognizes curriculum as a cornerstone of academic excellence and holistic student development. The curriculum shall be dynamic, outcome-based, and learner-centric, designed to foster multidisciplinary and interdisciplinary learning environments.

In alignment with the National Education Policy (NEP) 2020, the curriculum shall integrate humanities, sciences, arts, culture, sports, values, and skill-based education to ensure the holistic development of learners.

The curriculum framework shall promote critical thinking, creativity, innovation, adaptability, and problem-solving abilities, enabling graduates to meet local, national, and global challenges effectively. These attributes shall be reflected through Graduate Attributes (GAs), Programme Outcomes (POs), Course Outcomes (COs), pedagogy, assessment methods, and learning resources.

2. SCOPE AND FRAMEWORK

The curriculum shall be designed to:

- Address local, regional, national, and global academic and industry needs
- Align with the vision and mission of the Institution
- Be outcome-based, focusing on Graduate Attributes, Programme Outcomes (POs), and Course Outcomes (COs)
- Incorporate stakeholder inputs, including faculty, students, alumni, industry experts, academic bodies, and policymakers

The curriculum shall be developed considering:

- Psychological, philosophical, and sociological dimensions of learners and Industry expert
- Clearly defined goals, learning objectives, structured content, meaningful learning experiences, and robust evaluation systems

3. CURRICULUM DESIGN PROCESS

The following steps shall be followed:

3.1 Need Assessment

This is the first step in curriculum design. The following parameters shall be considered:

- a) Institution Vision and Mission
 - Curriculum shall align with the vision and mission
 - Aim to achieve excellence in teaching, learning, and research
 - Address academic, industry, and societal needs
- b) Needs of the Learner
 - Curriculum shall reflect evolving learner needs
 - Incorporate advancements in disciplines, disruptive technologies, and design thinking
 - Align with regulatory bodies such as UGC, AICTE, BCI, etc
- c) Interaction with Stakeholders
 - Inputs from parents, students, and employers shall be considered prior to curriculum development

3.2 Curriculum Design and Development

This includes planning, content development, approval, implementation, and assessment.

- a) Planning

Each department shall have a Curriculum Development Committee (CDC) comprising:

 - Head of the Department – Chairperson
 - Course Coordinators – Members
 - Alumni Representative – Member
 - Industry expert - Members
- b) Content Development

Curriculum content shall include:

 - Graduate Attributes
 - Credit Distribution
 - Course Structure
 - Course Outcomes (COs)
 - Course content and learning hours
 - Teaching strategies
 - Evaluation criteria
 - Suggested readings
 - Pre-requisites and MOOC courses

MOOC courses shall be offered in every semester but shall not exceed 40% of total credits.

3.3 Recommendations by Board of Studies (BoS)

The developed or revised curriculum shall be discussed and recommended by the Board of Studies.

3.4 Approval by Academic Council

The curriculum recommended by the BoS shall be placed before the Academic Council for approval and ratification by the Executive Council.

4. IMPLEMENTATION OF CURRICULUM

- Required infrastructure, faculty, laboratories, books, journals, and resources shall be ensured
- Heads of Departments and faculty members are responsible for implementation

5. CURRICULUM ASSESSMENT AND IMPROVEMENT

The curriculum shall be regularly assessed and revised to meet changing academic and societal needs. The same process of design and approval shall be followed for revisions.

6. STAKEHOLDER FEEDBACK

- Feedback shall be collected at the end of each semester from:
 - Students
 - Teachers
 - Parents
 - Alumni
 - Industry experts
- Feedback shall cover:
 - Learning outcomes
 - Content relevance
 - Skill development
- Analysis reports shall be placed before:
 - Curriculum Development Committee
 - Board of Studies
 - Executive Council

7. MAPPING OF GRADUATE ATTRIBUTES

- Graduate attributes shall be accessed through:
 - Exit interviews
 - Quantitative measures

8. ASSESSMENT OF COURSE LEARNING OUTCOMES

- Course Outcomes shall be evaluated based on student performance
- Analysis shall be presented before CDC/BoSfor improvement

9. REVISION AND POWER TO MODIFY

Sathyabama Institute of Science and Technology may revise, amend, or modify:

- Regulations
- Scheme of examinations
- Curriculum and syllabi

The Academic Council may review this Policy periodically and recommend amendments, modifications, or revisions as necessary. Any such amendments shall become effective only upon approval by the Executive Council in accordance with the Institution's institutional policies.

Issued by

Dr.G.Sundari

(Registrar)

Dr. G.SUNDARI, M.E., Ph.D.,
REGISTRAR
SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)
Jeppiaar Nagar, Rajiv Gandhi Salai,
Chennai-600 119.

S. SRINIVASAN
ADVOCATE-HIGH COURT

&
COMMISSIONER OF OATHS
Chamber No: 13, Law Chambers,
High Court Buildings, Chennai-600 104
Ph: 044-25587404, Cell: 98402 40091

Recommended by

Dr.B.Sheela Rani

(Vice-Chancellor)

Dr.B. SHEELA RANI, M.S. (By Research), Ph.D.,
VICE-CHANCELLOR
SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)
Jeppiaar Nagar, Rajiv Gandhi Salai,
Chennai - 600 119.