



**POWERING THE YOUTH
EMPOWERING THE NATION**

SRI SHAKTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

COIMBATORE – 641 062

(Autonomous Institution, Accredited by NAAC with “A” Grade)

Academic Calendar (2022-23)

Department of Biotechnology



SRI SHAKTHI

INSTITUTE OF ENGINEERING & TECHNOLOGY

COLLEGE - SSIET

VISION

To make the institution one of our nation's great engineering schools, recognized nationally and internationally for excellence in teaching, research and public service. We seek to be the preferred destination for students, practitioners seeking an engineering education, employers hiring engineering graduates and organizations seeking engineering knowledge.

MISSION

To Provide an encouraging environment to develop the intellectual capacity, critical thinking, creativity and problem solving ability of the students.

DEPARTMENT BIOTECHNOLOGY

VISION

To cultivate scientific and technical manpower in Biotechnology to solve various problems and challenges faced by industry and academia for the betterment of society.

MISSION

- Provide an academic environment that emphasizes critical thinking
- Equip students with the knowledge and practical skills required for the industry and academia.
- Constitute Institute-Industry relationships via implant training programs and projects and establish a centre of excellence (COE) in the frontier areas of biotechnology.



PROGRAMME EDUCATIONAL OBJECTIVES

PEO NO	PROGRAMME EDUCATIONAL OBJECTIVES
PEO1	: Graduates will be able to identify, analyze and solve the biotechnological problems in product and process development
PEO2	: Graduates will be able to identify and control hazards in bioprocess industries
PEO3	: Graduates will be able to apply modern computational, and analytical tools and techniques to address biotechnological challenges
PEO4	: Graduates will be able to pursue life-long learning as a means of enhancing the knowledge base and skills for professional advancements
PEO5	: Graduates will be able to communicate effectively and demonstrate and impart entrepreneurial and leadership skills

PROGRAMME SPECIFIC OBJECTIVES

PS NO	PROGRAMME SPECIFIC OBJECTIVES
PSO1	: Cultivate understanding of biotechnology principles for a robust and solid foundation that allows them to comprehend emerging and innovative engineering concepts in life sciences
PSO2	: To inculcate Knowledge and hands on training to solve engineering and scientific problems
PSO3	: Empower the students ability to work in interdisciplinary areas of science and technology towards industrial and academic research applications



PROGRAMME OUTCOME

PO NO	PROGRAMME OUTCOME
PO1	a Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
PO2	b Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
PO3	c Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
PO4	d Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
PO5	e Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
PO6	f The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
PO7	g Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
PO8	h Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
PO9	i Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
PO10	j Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
PO11	k Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
PO12	l Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.



**CALENDAR PROGRAM
JULY 2022– APRIL 2023**



JULY 2022						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						



Holiday

AUGUST 2022						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

July	
11.07.2022	Commencement of class (IV year)
13.07.2022	Class Committee Meeting 1 (IV Year)

August	
10.08.2022	Commencement of class (II & III year)
16.08.2022	CIAT – 1 Internal Assessment Test (VII Semester)
25.08.2022	Department Association
30.08.2022	Class Committee Meeting 2 (IV Year)



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SEPTEMBER 2022

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

Holiday

OCTOBER 2022

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

September

10.09.2022	Class Committee Meeting 1 (II & III Year)
14.09.2022	CIAT-1 Internal Assessment Test (III & V Semester)
22.09.2022	CIAT-2 Internal Assessment Test (VII Semester)
22.09.2022 23.09.2022	International Conference ICFBB
30.09.2022	Class Committee Meeting 3 (IV Year)

October

05.10.2022	Association Event
15.10.2022	Workshop on IOT
20.10.2022	Class Committee Meeting 2 (II Year & III Year)
27.10.2022	CIAT-2 Internal Assessment Test (III & V Semester) CIAT-3 Internal Assessment Test (VII Semester) (Model Exam)



NOVEMBER 2022

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

Holiday

DECEMBER 2022

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

November

02.11.2022	Last Working Day(IV Year)
07.11.2022	End Semester Practical Exam (VII Semester)
16.11.2022	End Semester Theory Exam (VII Semester)
20.11.2022	Class Committee Meeting 3 (II & III Year)
21.11.2022	Commencement of class (I year)
24.11.2022	CIAT-3 Internal Assessment Test (III & V Semester) (Model Exam)
30.11.2022	Last Working Day(III & IV Year)

December

07.12.2022	End Semester Practical Exam (III & V Semester)
16.12.2022	End Semester Theory Exam (III & V Semester)
24.12.2022	Class Committee Meeting 1 (I Year)
26.08.2022	CIAT-1 Internal Assessment Test (I Semester)



JANUARY 2022

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				



Holiday

FEBRUARY 2022

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28				

January

07.01.2023	Velan Thiruvizha
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February

01.02.2023	Class Committee Meeting 2 (I Year)
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06.02.2023	CIAT-2 Internal Assessment Test (I Semester)
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15.02.2023	Kalam Events
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MARCH 2023

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	



Holiday

APRIL 2022

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

March

01.03.2023	Blitz Project Exhibition
04.03.2023	Class Committee Meeting 3 (I Year)
06.03.2023	CIAT-3 Internal Assessment Test (I Semester) (Model Exam)
11.03.2023	Last Working Day (I Year)
20.03.2023	End Semester Practical Exam (I Semester)
27.03.2023	End Semester Theory Exam (I Semester)



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