



**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 (2021-22)**

# **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

To achieve the vision, the department will

- To provide an academic environment that emphasizes critical thinking.
- To equip students with knowledge and practical skills required for the industry and academia.
- To constitute institute –industry relationship via implant training programs and projects.
- To establish Centre of excellence (COE) in the frontiers of biotechnology



## 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.

: Our Graduates will be apt to apply modern computational, 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.

: Graduates will be able to communicate effectively and demonstrate and impart entrepreneurial and leadership skills.

**PEO5**

## PROGRAM SPECIFIC OBJECTIVES (PSOs)

**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.



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## PROGRAMME OUTCOMES

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 modelling 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  
JUNE 2021 – MAY 2022**



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### JUNE 2021

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

### JULY 2021

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

### June

1.06.2021	Commencement of Classes (IV year)
9.06.2021	Commencement of Classes (III year)

### July

19.07.2021	Commencement of CIAT - I (YEAR-III)
23.07.21	Workshop
26.07.21	Graduation day(YEAR-III,IV)



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### AUGUST 2021

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

### SEPTEMBER 2021

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		

### August

2.08.2021	Commencement of CIAT - I (YEAR-IV)
03.08.2021	Guest Lecture
18.08.2021	Seminar

### September

02.09.2021	Seminar
13.09.2021	Commencement of CIAT - II (YEAR-III)
23-9-2021 to 24-9-2021	Conference



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### OCTOBER 2021

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
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17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

 Holiday

### NOVEMBER 2021

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				

### October

05.10.21	Webinar
06.10.21	Guest lecture
06.10.21	Commencement of Classes (YEAR-II)
7.10.2021	Commencement of CIAT – II(YEAR-III,IV)
21.10.2021	Commencement of CIAT – III(YEAR-IV)
25.10.2021	End Semester Practical Exam(YEAR-III) Orientation day(YEAR-I) Commencement of Classes (YEAR-I)
29.10.2021	End Semester Practical Exam(YEAR-IV) Last Working Day(YEAR-III)

### NOVEMBER

03.11.2021	Last working day(year-IV)
8.11.2021	End Semester Theory Exam(YEAR-III)
30.11.2021	Commencement of Classes (YEAR-III,IV)
15.11.2021	End Semester Theory Exam(YEAR-IV)
22.11.2021	Commencement of CIAT – I(YEAR-II)



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## DECEMBER 2021

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
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Holiday

## JANUARY 2022

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30	31					

## December

06.12.2021	Commencement of CIAT-I (YEAR-I)
08.12.2021	Guest lecture
27.12.2021	Commencement of CIAT - II (YEAR-I,II)

## January

14.01.2022	Webinar
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## FEBRUARY 2022

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27	28					



Holiday

## MARCH 2022

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
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## February

02.02.2022	Career Enhancement Programme
14.02.2022	End Semester Practical Exam(YEAR-I)
18.02.2022	Last Working Day (YEAR-I)
21.02.2022	Commencement of CIAT – I(YEAR-III,IV)
24.02.2022	Commencement of CIAT – III(YEAR-I,II)

## March

02.03.2022	End Semester Theory Exam(YEAR-I)
09.03.2022	Last Working Day (YEAR-II)
10.03.2022	End Semester Practical Exam(YEAR-II)
14.03.2022	Commencement of Classes (YEAR-II,I)
16.03.2022	Guest Lecture
21.03.2022	End Semester Theory Exam (YEAR-II)
28.03.2022	Commencement of CIAT – II(YEAR-III,IV)



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### APRIL 2022

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
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24	25	26	27	28	29	30



Holiday

### MAY 2022

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

### April

18.04.2022	Commencement of CIAT – III (YEAR-III,IV)
25.04.2022	Commencement of CIAT – I (YEAR-I,II)
28.04.2022	End Semester Practical Exam(YEAR-III,IV)

### May

06.05.2022	Last Working Day (YEAR-III,IV)
16.05.2022	End Semester Theory Exam(YEAR-III,IV)
23.05.2022	Commencement of CIAT – II (YEAR-II,I)

- Class Committee Meeting shall be planned before the commencement of each IAT
- Remedial classes shall be planned based on the IAT performance



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19	20	21	22	23	24	25
26	27	28	29	30		

### JULY-2022

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### June

13.06.2022	Model Exam (YEAR-I,II)
21.06.2022	Last Working Day (YEAR-I,II)
23.06.2022	End Semester Practical Exam(YEAR-I,II)

### July

04.07.2022	End Semester Theory Exam(YEAR-I,II)
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