



**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 (2019-20)

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.

PEO3 : 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.

PEO5 : Graduates will be able to communicate effectively and demonstrate and impart entrepreneurial and leadership skills.

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.



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 2019 – MAY 2020**



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INSTITUTE OF ENGINEERING & TECHNOLOGY

JUNE 2019

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 2019

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

01.07.2019	Commencement of Classes (YEAR-II,III,IV)
05.07.2019	Guest Lecture
10.07.19	Guest Lecture
25.07.19	Seminar



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AUGUST 2019

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 2019

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

04.08.19	Orientation(I years)
01.08.19	Commencement of CIAT I (II,III,IV years)
05.08.19	Commencement of classes(I) sem(UG) academic classes
08.08.19	Guest Lecture
29.08.19	Guest Lecture
30,31.08.19	Conference

September

04.09.19	Webinar
05.09.2019	Commencement CIAT 2(II,III,IV years)
16.09.19	Commencement of CIAT 1(I years)
27.09.19	Guest Lecture
30.09.2019	Commencement of CIAT III(YEAR-II,III,IV)



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OCTOBER 2019

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
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11	12	13	14	15	16
17	18	19	20	21	22
23	24	25	26	27	28
29	30	31			

Holiday

NOVEMBER 2019

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

October	
07.10.2019	Guest Lecture
10.10.2019	Last Working Day(II,III,IV year)
15.10.2019	End Semester Practical Exam(II,III,IV year)
26.10.2019	Workshop
28.10.2019	Commencement CIAT 2(I year)
30.10.2019	End Semester Theory Exam

November	
07.11.2019	Guest Lecture
15.11.2019	Last Working Day(I year)
18.11.2019	Commencement of End Semester Practical Exam(I year)
29.11.2019	End semester Theory Exam(I year)
30.11.2019	Guest lecture



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DECEMBER 2019

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
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10	11	12	13	14	15	16
17	18	19	20	21	23	24
25	26	27	28	29	30	31

Holiday

JANUARY 2020

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2	3	4	5	6	7
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29	30	31				

December	
16.12.2019	UG: II,III&IV ,PG: IIYear academic classes

January	
20.01.2020	Commencement of Classes(I year)



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FEBRUARY 2020

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
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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			

Holiday

MARCH 2020

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

February	
03.02.2020	CIAT1 (II,III,IV years)
24.02.2020	Commencement of CIAT - I (I year)

March	
02.03.2020	Commencement CIAT2 (II,III,IV year)
23.03.2020	CIAT 2 (Iyear)



APRIL 2020

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

MAY 2020

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		

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

April

02.04.2020	Commencement of CIAT 3 (II,III,IV year)
07.04.2020	Webinar
15.04.2020	Commencement of End Semester Practical Exam(II,III,IV year)
18.04.2020	Webinar
22.04.2020	Last Working Day(II,III,IV year)
27.04.2020	Commencement of CIAT 3(I year)

May

04.05.2020	End Semester Theory Exam (II,III,IV year)
07.05.2020	Webinar
11.05.2020	Commencement of End Semester Practical (I year)
19.05.2020	Last working day(Year-I)
26.05.2020	Webinar
27.05.2020	Commencement of End Semester Theory (I year)