

TIME TABLE				
PERIOD	1	2	3	4
TIME DAYS	9.00am-10.00am	10.15 am-11.15 am	11.30 pm-12.30 pm	2.00 pm-3 pm
MON				
TUE				
WED				
THU				
FRI				
SAT				

VELALAR COLLEGE OF ENGINEERING AND TECHNOLOGY

(Autonomous Institution affiliated to Anna University, Chennai
and accredited by NAAC with 'A' grade)

THINDAL, ERODE-638 012



**DEPARTMENT
OF
BIOMEDICAL ENGINEERING**
(Accredited by NBA)

ACADEMIC CALENDER

ODD SEMESTER 2021-2022

E-Journals Links @ VCET

IEEE

<http://ieeexplore.ieee.org/Xplore/guesthome.jsp>

DEC 2021

CWD	DAY	Date	Activity
	Wed	1-Dec-2021	Holiday
	Thu	2-Dec-2021	
	Fri	3-Dec-2021	
	Sat	4-Dec-2021	
	Sun	5-Dec-2021	
	Mon	6-Dec-2021	Holiday
	Tue	7-Dec-2021	
	Wed	8-Dec-2021	
	Thu	9-Dec-2021	
	Fri	10-Dec-2021	
	Sat	11-Dec-2021	
	Sun	12-Dec-2021	
	Mon	13-Dec-2021	Holiday
	Tue	14-Dec-2021	
	Wed	15-Dec-2021	
	Thu	16-Dec-2021	Commencement of semester examinations
	Fri	17-Dec-2021	
	Sat	18-Dec-2021	
	Sun	19-Dec-2021	
	Mon	20-Dec-2021	Holiday
	Tue	21-Dec-2021	
	Wed	22-Dec-2021	
	Thu	23-Dec-2021	
	Fri	24-Dec-2021	
	Sat	25-Dec-2021	Christmas -Holiday
	Sun	26-Dec-2021	
	Mon	27-Dec-2021	Holiday
	Tue	28-Dec-2021	
	Wed	29-Dec-2021	
	Thu	30-Dec-2021	

No. of Working Days = NIL

No. of Cumulative Working Days = NIL

NOV 2021

CWD	DAY	Date	Activity
86	Mon	1-Nov-2021	"BIONIX - IEEE BIOPAPYRUS INTER DEPT PAPER PRESENTATION"
87	Tue	2-Nov-2021	"Last Instructional Day (7,5 - Sem UG)"
88	Wed	3-Nov-2021	Class Committee Meeting – 4, Dept. Staff meeting
	Thu	4-Nov-2021	Deepavali - Holiday
89	Fri	5-Nov-2021	
90	Sat	6-Nov-2021	
	Sun	7-Nov-2021	Holiday
91	Mon	8-Nov-2021	Practical Examinations for (7,5 - Sem UG)
92	Tue	9-Nov-2021	
93	Wed	10-Nov-2021	
94	Thu	11-Nov-2021	
95	Fri	12-Nov-2021	
96	Sat	13-Nov-2021	Dept. Staff meeting
	Sun	14-Nov-2021	Holiday
97	Mon	15-Nov-2021	
98	Tue	16-Nov-2021	CAT – 3 – SUB 1 (3 rd SEM)
99	Wed	17-Nov-2021	CAT – 3 – SUB 2 (3 rd SEM)
100	Thu	18-Nov-2021	CAT – 3 – SUB 3 (3 rd SEM)
101	Fri	19-Nov-2021	CAT – 3 – SUB 4 (3 rd SEM)
	Sat	20-Nov-2021	Holiday
	Sun	21-Nov-2021	Holiday
102	Mon	22-Nov-2021	CAT – 3 – SUB 5 (3 rd SEM)
103	Tue	23-Nov-2021	CAT – 3 – SUB 6 (3 rd SEM)
104	Wed	24-Nov-2021	Last Instructional Day (3 - Sem UG)"
105	Thu	25-Nov-2021	Practical Examinations for (3 - Sem UG)
106	Fri	26-Nov-2021	
107	Sat	27-Nov-2021	
108	Sun	28-Nov-2021	Holiday
109	Mon	29-Nov-2021	
110	Tue	30-Nov-2021	Semester Theory Exam (3 - Sem UG)

No. of Working Days = 25
No. of Cumulative Working Days = 110

VISION

To create a Centre of Excellence for learning and innovation that integrates engineering and life science for the advancement of human life.

MISSION

M1: Evolve a curriculum which emphasizes on strong engineering fundamentals with inDecative methods of teaching and learning to gain knowledge that supports higher education, employment and research for the benefit of the community.

M2: To inculcate the students to identify real life problems, formulate strategies and evolve into contextually effective solutions and make them as scientists, technocrats, Administrators and Entrepreneurs.

M3: To develop clinically translatable solutions for human health by training the biomedical engineers as lifelong learners, cultivating leaders, and nurturing the human and ethical values to meet the needs of industry and civil society.

QUALITY POLICY

Committed to inculcate the values of discipline, honesty and integrity among students, faculty and staff and to bring out the significance of the close interaction among Educational Institutions, Industries and the Society for the Cultural, Social and Economic advancement of our Nation.

OCT 2021

**PROGRAM EDUCATIONAL
OBJECTIVES
(PEOs)**

Our graduates after a few years of graduation will:

PEO 1: Preparation: Acquire the knowledge that prepares them for professional careers / higher studies in the field of Biomedical Engineering.

PEO 2: Core competence: Apply the core concepts of Biomedical Engineering, its underlying sciences, and relevant technologies in their chosen profession.

PEO 3: Multidisciplinary: An ability to use their multidisciplinary background to foster communication across professional and disciplinary boundaries with the highest professional and ethical standards.

PEO 4: Professional Environment: Possess a high standard of personal and professional integrity, human values in multicultural and multidisciplinary environments to progress into positions of increasing leadership responsibilities.

PEO 5: Learning Environment: The ability to recognize the limits of their knowledge and initiate self-directed learning opportunities to be able to continue to identify and create the opportunities for themselves in the field of biomedical engineering.

CWD	DAY	Date	Activity
64	Fri	1-Oct-2021	Dept. Staff meeting
	Sat	2-Oct-2021	Gandhi Jayanthi - Hoilday
	Sun	3-Oct-2021	Holiday
65	Mon	4-Oct-2021	
66	Tue	5-Oct-2021	
67	Wed	6-Oct-2021	
68	Thu	7-Oct-2021	
69	Fri	8-Oct-2021	
70	Sat	9-Oct-2021	Dept. Staff meeting
	Sun	10-Oct-2021	Holiday
71	Mon	11-Oct-2021	
72	Tue	12-Oct-2021	
73	Wed	13-Oct-2021	
	Thu	14-Oct-2021	Ayutha Pooja Holiday
	Fri	15-Oct-2021	Vijaya Dasami - Holiday
74	Sat	16-Oct-2021	Class Committee Meeting – 3, Dept. Staff meeting
	Sun	17-Oct-2021	Holiday
75	Mon	18-Oct-2021	
76	Tue	19-Oct-2021	Milad-un-Nabi - Holiday
77	Wed	20-Oct-2021	
78	Thu	21-Oct-2021	CAT – 3 – SUB 1&2 (7 th SEM)
79	Fri	22-Oct-2021	CAT – 3 – SUB 3&4 (7 th SEM)
	Sat	23-Oct-2021	Holiday
	Sun	24-Oct-2021	Holiday
80	Mon	25-Oct-2021	CAT – 3 – SUB 5&6 (7 th SEM) CAT – 2 – SUB 1&2 (3 rd SEM)
81	Tue	26-Oct-2021	CAT – 2 – SUB 2&3 (5 th SEM) CAT – 3 – SUB 2&3 (3 rd SEM)
82	Wed	27-Oct-2021	CAT – 2 – SUB 4&5 (3 rd SEM) CAT – 3 – SUB 4&5 (5 th SEM)
83	Thu	28-Oct-2021	
84	Fri	29-Oct-2021	
85	Sat	30-Oct-2021	Dept. Staff meeting

No. of Working Days = 25

No. of Cumulative Working Days = 85

SEP 2021

CWD	DAY	Date	Activity
40	Wed	1-Sep-2021	
41	Thu	2-Sep-2021	
42	Fri	3-Sep-2021	
43	Sat	4-Sep-2021	Class Committee Meeting – 2, Dept. Staff meeting
	Sun	5-Sep-2021	Holiday
44	Mon	6-Sep-2021	CAT – 2 – SUB 1&2 (7 th SEM)
45	Tue	7-Sep-2021	CAT – 2 – SUB 3&4 (7 th SEM)
46	Wed	8-Sep-2021	CAT – 2 – SUB 5&6 (7 th SEM)
47	Thu	9-Sep-2021	
	Fri	10-Sep-2021	Vinayagar Chaturthi - Holiday
	Sat	11-Sep-2021	
	Sun	12-Sep-2021	Holiday
48	Mon	13-Sep-2021	
49	Tue	14-Sep-2021	
50	Wed	15-Sep-2021	
51	Thu	16-Sep-2021	
52	Fri	17-Sep-2021	IEEE - BIONIX WORKSHOP
53	Sat	18-Sep-2021	Dept. Staff meeting
	Sun	19-Sep-2021	Holiday
54	Mon	20-Sep-2021	CAT – 1 – SUB 1&2 (3 th SEM)
55	Tue	21-Sep-2021	CAT – 1 – SUB 3&4 (3 th SEM)
56	Wed	22-Sep-2021	CAT – 1 – SUB 5&6 (3 th SEM)
57	Thu	23-Sep-2021	
58	Fri	24-Sep-2021	
59	Sat	25-Sep-2021	Dept. Staff meeting
	Sun	26-Sep-2021	Holiday
60	Mon	27-Sep-2021	
61	Tue	28-Sep-2021	
62	Wed	29-Sep-2021	
63	Thu	30-Sep-2021	

No. of Working Days = 25
 No. of Cumulative Working Days = 63

PROGRAM OUTCOMES (POs)

Biomedical Engineering program demonstrate that their students attain the following outcomes:

1 PO 1. Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

PO 2. 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.

PO 3. 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.

PO 4. 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.

PO 5. 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.

PO 6. 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.

PO 7. 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.

PO 8. Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO 9. Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO 10. 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.

PO 11. 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.

PO 12. 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.

PROGRAMME SPECIFIC OUTCOMES

PSO1. Living and Nonliving Interaction: Solve the problems associated with the interaction between the living and non-living materials and system.

PSO2. Investigation on physiological system: Make measurements on and interpret data from living systems

<u>Abbreviations</u>	
CWD - Cumulative Working Days	Sub - Subject
CAT- Continuous Assessment Test	

JULY 2021

CWD	Day	Date	Activity
	Thu	1-Jul-2021	
	Fri	2-Jul-2021	
	Sat	3-Jul-2021	
	Sun	4-Jul-2021	
	Mon	5-Jul-2021	Holiday
	Tue	6-Jul-2021	
	Wed	7-Jul-2021	
	Thu	8-Jul-2021	
	Fri	9-Jul-2021	
	Sat	10-Jul-2021	
	Sun	11-Jul-2021	Holiday
	Mon	12-Jul-2021	
	Tue	13-Jul-2021	
1	Wed	14-Jul-2021	Reopening for 7,5 sem
2	Thu	15-Jul-2021	
3	Fri	16-Jul-2021	
4	Sat	17-Jul-2021	
	Sun	18-Jul-2021	Holiday
5	Mon	19-Jul-2021	
6	Tue	20-Jul-2021	
7	Wed	21-Jul-2021	Bakrid - Hoilday
8	Thu	22-Jul-2021	
9	Fri	23-Jul-2021	
10	Sat	24-Jul-2021	
	Sun	25-Jul-2021	Holiday
11	Mon	26-Jul-2021	
12	Tue	27-Jul-2021	
13	Wed	28-Jul-2021	
14	Thu	29-Jul-2021	
15	Fri	30-Jul-2021	
16	Sat	31-Jul-2021	Dept. Staff meeting

No. of Working Days = 16
No. of Cumulative Working Days =16

AUGUST 2021

CWD	Day	Date	Activity
	Sun	1-Aug-2021	Holiday
17	Mon	2-Aug-2021	
18	Tue	3-Aug-2021	
19	Wed	4-Aug-2021	
20	Thu	5-Aug-2021	
21	Fri	6-Aug-2021	
22	Sat	7-Aug-2021	"BIONIX - IEEE WEBINAR"
	Sun	8-Aug-2021	Holiday
23	Mon	9-Aug-2021	Reopening for 3 sem
24	Tue	10-Aug-2022	
25	Wed	11-Aug-2021	
26	Thu	12-Aug-2021	
27	Fri	13-Aug-2021	
28	Sat	14-Aug-2021	Class Committee Meeting – 1, Dept. Staff meeting
	Sun	15-Aug-2021	Independence Day Holiday
29	Mon	16-Aug-2021	
30	Tue	17-Aug-2021	
31	Wed	18-Aug-2021	
32	Thu	19-Aug-2021	
	Fri	20-Aug-2021	Muharram - Holiday
	Sat	21-Aug-2021	
	Sun	22-Aug-2021	Holiday
33	Mon	23-Aug-2021	CAT – 1 – SUB 1 (5 th SEM)
34	Tue	24-Aug-2021	CAT – 1 – SUB 2 (5 th SEM)
35	Wed	25-Aug-2021	CAT – 1 – SUB 3 (5 th SEM)
36	Thu	26-Aug-2021	CAT – 1 – SUB 4 (5 th SEM)
37	Fri	27-Aug-2021	CAT – 1 – SUB 5 (5 th SEM)
38	Sat	28-Aug-2021	CAT – 1 – SUB 6 (5 th SEM)
	Sun	29-Aug-2021	Holiday
	Mon	30-Aug-2021	Krishna Jayanthi - Holiday
39	Tue	31-Aug-2021	

No. of Working Days = 23
No. of Cumulative Working Days = 39