

			TIMETABLE			
			1	2	3	4
PERIOD	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, THINDAL, ERODE-638012.**

(Autonomous)

(Accredited by NAAC with 'A' grade)



**DEPARTMENT OF BIOMEDICAL
ENGINEERING**

(Accredited by NBA)

**ACADEMIC CALENDAR
EVEN SEMESTER 2020-2021**

E-Journals Links @ VCET

IEEE

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

JUNE 2021

CW	DAY	Date	Activity
103	Tue	1-June-2021	MODEL EXAM Sub 5 2 nd & 3r year
	Wed	2-June-2021	
	Thu	3-June-2021	IIT MADRAS-MATLAB &LABVIEW
	Fri	4-June-2021	BMESI-BIONIKX VALEDICTORY FUNCTION
	Sat	5-June-2021	
	Sun	6-June-2021	Holiday
	Mon	7-June-2021	
	Tue	8-June-2021	
	Wed	9-June-2021	
	Thu	10-June-2021	
	Fri	11-June-2021	
	Sat	12-June-2021	
	Sun	13-June-2021	Holiday
	Mon	14-June-2021	
	Tue	15-June-2021	
	Wed	16-June-2021	
	Thu	17-June-2021	
	Fri	18-June-2021	
	Sat	19-June-2021	
	Sun	20-June-2021	Holiday
	Mon	21-June-2021	
	Tue	22-June-2021	
	Wed	23-June-2021	
	Thu	24-June-2021	
	Fri	25-June-2021	
	Sat	26-June-2021	
	Sun	27-June-2021	Holiday
	Mon	28-June-2021	
	Tue	29-June-2021	
	Wed	30-June-2021	
	Sat	31-June-2021	

No. of Working Days = 1

No. of Cumulative working Days = 103

MAY 2021

CW	DAY	Date	Activity
	Sat	1-May-2021	May Day-Poster- workshop-2 days
	Sun	2-May-2021	Holiday
79	Mon	3-May-2021	
80	Tue	4-May-2021	
81	Wed	5-May-2021	
82	Thu	6-May-2021	
83	Fri	7-May-2021	
84	Sat	8-May-2021	Webinar-COVI'19 IOT
	Sun	9-May-2021	Holiday , Webinar, Future Scope
85	Mon	10-May-2021	
86	Tue	11-May-2021	
87	Wed	12-May-2021	
88	Thu	13-May-2021	
	Fri	14-May-2021	Raman-Holiday
89	Sat	15-May-2021	Webinar-Overseas education
	Sun	16-May-2021	Holiday
90	Mon	17-May-2021	CAT - 3 Sub 1 2 ND & 3 RD year
91	Tue	18-May-2021	CAT - 3 Sub 2 2 ND & 3 RD year
92	Wed	19-May-2021	CAT - 3 Sub 3 2 ND & 3 RD year
93	Thu	20-May-2021	CAT - 3 Sub 4 2 ND & 3 RD year
94	Fri	21-May-2021	CAT - 3 Sub 5 2 ND & 3 RD year
95	Sat	22-May-2021	CAT - 3 Sub 6 2 ND & 3 RD year
	Sun	23-May-2021	Holiday
96	Mon	24-May-2021	
97	Tue	25-May-2021	
98	Wed	26-May-2021	
99	Thu	27-May-2021	MODEL EXAM Sub 5 2 nd & 3r year
100	Fri	28-May-2021	MODEL EXAM Sub 5 2 nd & 3r year
101	Sat	29-May-2021	MODEL EXAM Sub 5 2 nd & 3r year
	Sun	30-May-2021	Holiday
102	Mon	31-May-2021	MODEL EXAM Sub 5 2 nd & 3r year

No. of Working Days = 24

No. of Cumulative working Days = 102

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 indicative 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.

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

APRIL-2021

CW	DAY	Date	Activity
56	Thu	1-Apr-2021	Class Committee Meeting -III,Dept.Meeting
	Fri	2-Apr-2021	Good Friday
57	Sat	3-Apr-2021	“QUIZZLE 2K21”
	Sun	4-Apr-2021	Holiday
58	Mon	5-Apr-2021	
59	Tue	6-Apr-2021	
60	Wed	7-Apr-2021	
61	Thu	8-Apr-2021	Dept. Meeting
62	Fri	9-Apr-2021	Webinar- DIET AND EXERCISE
63	Sat	10-Apr-2021	
	Sun	11-Apr-2021	Holiday
64	Mon	12-Apr-2021	Dept. Meeting
	Tue	13-Apr-2021	Telugu New Year- Holiday
	Wed	14-Apr-2021	TAMIL NEW YEAR - Holiday
65	Thu	15-Apr-2021	CAT/-2 Sub 1&2
66	Fri	16-Apr-2021	CAT -2 Sub 3&4, Dept. Meeting
67	Sat	17-Apr-2021	CAT -2 Sub 5 & 6
	Sun	18-Apr-2021	Holiday
68	Mon	19-Apr-2021	
69	Tue	20-Apr-2021	
70	Wed	21-Apr-2021	
71	Thu	22-Apr-2021	
72	Fri	23-Apr-2021	Class Committee Meeting –IV,Dept.Meeting
73	Sat	24-Apr-2021	
	Sun	25-Apr-2021	Holiday
74	Mon	26-Apr-2021	
75	Tues	27-Apr-2021	
76	Wed	28-Apr-2021	
77	Thu	29-Apr-2021	
78	Fri	30-Apr-2021	Dept. Meeting

No. of Working Days = 24

No. of Cumulative working Days = 78

JANUARY 2021

CW	DAY	Date	Activity
	Fri	1-Jan-2021	NEW YEAR-Holiday
	Sat	2-Jan-2021	
	Sun	3-Jan-2021	Holiday
	Mon	4-Jan-2021	
	Tue	5-Jan-2021	
	Wed	6-Jan-2021	
	Thu	7-Jan-2021	
	Fri	8-Jan-2021	
	Sat	9-Jan-2021	
	Sun	10-Jan-2021	Holiday
	Mon	11-Jan-2021	
	Tue	12-Jan-2021	
	Wed	13-Jan-2021	
	Thu	14-Jan-2021	PONGAL - Holiday
	Fri	15-Jan-2021	THIRUVALLUVAR DAY - Holiday
	Sat	16-Jan-2021	UZHAVAR DAY - Holiday
	Sun	17-Jan-2021	Holiday ,Alumni Talk
	Mon	18-Jan-2021	
	Tue	19-Jan-2021	
	Wed	20-Jan-2021	
	Thu	21-Jan-2021	
	Fri	22-Jan-2021	
	Sat	23-Jan-2021	
	Sun	24-Jan-2021	Holiday
	Mon	25-Jan-2021	
	Tue	26-Jan-2021	REPUBLIC DAY - Holiday
	Wed	27-Jan-2021	
	Thu	28-Jan-2021	
	Fri	29-Jan-2021	IEEE Valedictory
	Sat	30-Jan-2021	
	Sun	31-Jan-2021	

No. of Working Days = 04

No. of Cumulative working Days = 04

FEBRUARY-2021

CW	DA	Date	Activity
	Tue	1-Feb-2022	
	We	2-Feb-2022	
	Thu	3-Feb-2022	
	Fri	4-Feb-2022	
	Sat	5-Feb-2022	
	Sun	6-Feb-2022	Holiday
	Mo	7-Feb-2022	
	Tue	8-Feb-2022	
	We	9-Feb-2022	
	Thu	10-Feb-2022	
	Fri	11-Feb-2022	
	Sat	12-Feb-2022	
	Sun	13-Feb-2022	Holiday
	Mo	14-Feb-2022	
	Tue	15-Feb-2022	
	We	16-Feb-2022	
	Thu	17-Feb-2022	
	Fri	18-Feb-2022	
	Sat	19-Feb-2022	
	Sun	20-Feb-2022	
1	Mo	21-Feb-2022	Reopening of classes
2	Tue	22-Feb-2022	
3	We	23-Feb-2022	
4	Thu	24-Feb-2022	
5	Fri	25-Feb-2022	
6	Sat	26-Feb-2022	
	Sun	27-Feb-2022	Holiday
7	Mo	28-Feb-2022	

No. of Working Days =

No. of Cumulative working Days =

MARCH-2021

CW	DAY	Date	Activity
29	Mon	1-March-2021	
30	Tue	2-March-2021	
31	Wed	3-March-2021	
32	Thu	4-March-2021	
33	Fri	5-March-2021	Class Committee Meeting –II,,Dept. Meeting
34	Sat	6-March-2021	
	Sun	7-March-2021	Holiday
35	Mon	8-March-2021	
36	Tue	9-March-2021	
37	Wed	10-March-2021	
38	Thu	11-March-2021	
39	Fri	12-March-2021	Dept. Meeting
40	Sat	13-March-2021	
	Sun	14-March-2021	Holiday
41	Mon	15-March-2021	
42	Tue	16-March-2021	IEEE-Holistic approach
43	Wed	17-March-2021	
44	Thu	18-March-2021	
45	Fri	19-March-2021	Dept. Meeting
46	Sat	20-March-2021	
	Sun	21-March-2021	Holiday
47	Mon	22-March-2021	
48	Tues	23-March-2021	Class Committee Meeting -1
49	Wed	24-March-2021	
50	Thu	25-March-2021	
51	Fri	26-March-2021	Dept. Meeting,IEEE IOT HANDS ON
52	Sat	27-March-2021	
	Sun	28-March-2021	CAT-1 Sub 1&2
53	Mon	29-March-2021	CAT -1 Sub 3&4
54	Tue	30-March-2021	CAT -1 Sub 5 & 6
55	Wed	31-March-2021	

No. of Working Days =27

No. of Cumulative working Days = 55

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

Abbreviations

CWD - Cumulative Working Days
CAT- Continuous Assessment Test

Sub – Subject