



EXCEL ENGINEERING COLLEGE

2.3.4

(Autonomous)

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai

Accredited by NBA (AERO, CSE, ECE, MECH), NAAC with "A+" and Recognised by UGC (2f & 12B)

KOMARAPALAYAM – 637303

DEPARTMENT OF MECHANICAL ENGINEERING

2.3.4 Preparation and adherence to Academic Calendar and Teaching Plans by the institution

Academic Year 2022-23

S.No	Academic Calendar & Teaching Plan Details	Remarks
1	2022-23-Odd	
2	2022-23 - Even	

IQAC Coordinator

HoD/Mech

**HEAD OF THE DEPARTMENT
MECHANICAL ENGINEERING,
EXCEL ENGINEERING COLLEGE
KOMARAPALAYAM - 637 303.**





2.3.4

Excel Engineering College(Autonomous)
Komarapalayam - 637303
Department of Mechanical Engineering
Academic Calendar B.E/B.Tech 2022-23-Odd Semester

CWD	DAY	Date	Semester Schedule	CWD	DAY	Date	Semester Schedule
1	Mon	1-Aug-2022	Commencement of class - III & IV Year		Sun	16-Oct-2022	Holiday
2	Tue	2-Aug-2022		56	Mon	17-Oct-2022	
3	Wed	3-Aug-2022	Adi 18 - Holiday	57	Tue	18-Oct-2022	Department Meeting-04
4	Thu	4-Aug-2022		58	Wed	19-Oct-2022	
5	Fri	5-Aug-2022	PAC Meeting	59	Thu	20-Oct-2022	
6	Sat	6-Aug-2022	Activity -Guest Lecture / Seminar	60	Fri	21-Oct-2022	Portion Cover Details submission -4
7	Sun	7-Aug-2022	Holiday	61	Sat	22-Oct-2022	Activity -Guest Lecture / Seminar
8	Mon	8-Aug-2022			Sun	23-Oct-2022	Holiday
9	Tue	9-Aug-2022	Muharram- Holiday		Mon	24-Oct-2022	Deepawali - Holiday
10	Wed	10-Aug-2022	Class Committee Meeting - 1(III & IV Year)	62	Tue	25-Oct-2022	
11	Thu	11-Aug-2022		63	Wed	26-Oct-2022	
12	Fri	12-Aug-2022	Commencement of class - II Year/UG&PG	64	Thu	27-Oct-2022	
13	Sat	13-Aug-2022	Association Inauguration	65	Fri	28-Oct-2022	
14	Sun	14-Aug-2022	Holiday		Sat	29-Oct-2022	Holiday For Students
15	Mon	15-Aug-2022	INDIPENDENCE DAY		Sun	30-Oct-2022	Holiday
16	Tue	16-Aug-2022	Department Meeting-01	66	Mon	31-Oct-2022	Class Committee Meeting - 3 (II & III Year)
17	Wed	17-Aug-2022		67	Tue	1-Nov-2022	
18	Thu	18-Aug-2022		68	Wed	2-Nov-2022	
19	Fri	19-Aug-2022	Krishna Jeyanathi	69	Thu	3-Nov-2022	
20	Sat	20-Aug-2022	Holiday	70	Fri	4-Nov-2022	Portion Cover Details submission -5
21	Sun	21-Aug-2022	Holiday	71	Sat	5-Nov-2022	Last Working Day For Theory Classes- II & III Year, Activity
22	Mon	22-Aug-2022			Sun	6-Nov-2022	Holiday
23	Tue	23-Aug-2022	Portion Cover Details submission -1	72	Mon	7-Nov-2022	IAE 3(III & IV Year)
24	Wed	24-Aug-2022	IAE 1(III & IV Year)	73	Tue	8-Nov-2022	IAE 3(III & IV Year)
25	Thu	25-Aug-2022	IAE 1(III & IV Year)	74	Wed	9-Nov-2022	IAE 3(III & IV Year)
26	Fri	26-Aug-2022	IAE 1(III & IV Year)	75	Thu	10-Nov-2022	IAE 3(III & IV Year)
27	Sat	27-Aug-2022	Activity -Guest Lecture / Seminar	76	Fri	11-Nov-2022	Answer booklet Submission - IAE 3
28	Sun	28-Aug-2022	Holiday		Sat	12-Nov-2022	Holiday For Students,Deadline for submission of Result Analysis- IAE 3
29	Mon	29-Aug-2022	Answer booklet Submission - IAE 1		Sun	13-Nov-2022	Holiday
30	Tue	30-Aug-2022	Deadline for submission of Result Analysis- IAE 1	77	Mon	14-Nov-2022	IAE 3 Result Analysis Meeting, End Semester Practical Examination
31	Wed	31-Aug-2022	Vinayagar sathurthi	78	Tue	15-Nov-2022	
32	Thu	1-Sep-2022	IAE 1 Result Analysis Meeting	79	Wed	16-Nov-2022	
33	Fri	2-Sep-2022	IAE 1- II Year	80	Thu	17-Nov-2022	IAE 3 II Year-UG&PG
34	Sat	3-Sep-2022	Activity -Guest Lecture / Seminar	81	Fri	18-Nov-2022	
35	Sun	4-Sep-2022	Holiday	82	Sat	19-Nov-2022	Department Meeting-05
36	Mon	5-Sep-2022			Sun	20-Nov-2022	Holiday
37	Tue	6-Sep-2022	Department Meeting-02	83	Mon	21-Nov-2022	End Semester Theory Exam
38	Wed	7-Sep-2022		84	Tue	22-Nov-2022	
39	Thu	8-Sep-2022		85	Wed	23-Nov-2022	
40	Fri	9-Sep-2022	Parents Meeting - II & III Year	86	Thu	24-Nov-2022	
41	Sat	10-Sep-2022	Holiday For Students	87	Fri	25-Nov-2022	
42	Sun	11-Sep-2022	Holiday		Sat	26-Nov-2022	Holiday For Students
43	Mon	12-Sep-2022	DAAC Meeting,Portion Cover Details submission -2		Sun	27-Nov-2022	Holiday
44	Tue	13-Sep-2022		88	Mon	28-Nov-2022	
45	Wed	14-Sep-2022		89	Tue	29-Nov-2022	
46	Thu	15-Sep-2022		90	Wed	30-Nov-2022	
47	Fri	16-Sep-2022		91	Thu	1-Dec-2022	
48	Sat	17-Sep-2022	Activity -Awareness Program	92	Fri	2-Dec-2022	
49	Sun	18-Sep-2022	Holiday	93	Sat	3-Dec-2022	
50	Mon	19-Sep-2022			Sun	4-Dec-2022	Holiday
51	Tue	20-Sep-2022		94	Mon	5-Dec-2022	
52	Wed	21-Sep-2022		95	Tue	6-Dec-2022	
53	Thu	22-Sep-2022		96	Wed	7-Dec-2022	
54	Fri	23-Sep-2022	Class Committee Meeting - 2(II & III Year)	97	Thu	8-Dec-2022	
55	Sat	24-Sep-2022	Holiday For Students	98	Fri	9-Dec-2022	
56	Sun	25-Sep-2022	Holiday	99	Sat	10-Dec-2022	
57	Mon	26-Sep-2022			Sun	11-Dec-2022	Holiday
58	Tue	27-Sep-2022	Portion Cover Details submission -3	100	Mon	12-Dec-2022	
59	Wed	28-Sep-2022	IAE 2(III & IV Year)	101	Tue	13-Dec-2022	
60	Thu	29-Sep-2022	IAE 2(III & IV Year)	102	Wed	14-Dec-2022	
61	Fri	30-Sep-2022	IAE 2(III & IV Year)	103	Thu	15-Dec-2022	
62	Sat	1-Oct-2022	Activity - Seminar	104	Fri	16-Dec-2022	
63	Sun	2-Oct-2022	Holiday, Gandhi Jayanthi	105	Sat	17-Dec-2022	
64	Mon	3-Oct-2022	Answer booklet Submission - IAE 2,submission of Result Analysis- IAE 2		Sun	18-Dec-2022	Holiday
65	Tue	4-Oct-2022	Ayutha Pooja - Holiday	106	Mon	19-Dec-2022	
66	Wed	5-Oct-2022	Vijaya Dashami -Holiday	107	Tue	20-Dec-2022	
67	Thu	6-Oct-2022	IAE 2 Result Analysis Meeting	108	Wed	21-Dec-2022	
68	Fri	7-Oct-2022		109	Thu	22-Dec-2022	
69	Sat	8-Oct-2022		110	Fri	23-Dec-2022	
70	Sun	9-Oct-2022	Holiday	111	Sat	24-Dec-2022	
71	Mon	10-Oct-2022			Sun	25-Dec-2022	Holiday
72	Tue	11-Oct-2022		112	Mon	26-Dec-2022	
73	Wed	12-Oct-2022	IAE 2 II Year-UG&PG	113	Tue	27-Dec-2022	
74	Thu	13-Oct-2022	Department Meeting-03	114	Wed	28-Dec-2022	
75	Fri	14-Oct-2022		115	Thu	29-Dec-2022	
76	Sat	15-Oct-2022	Holiday For Students	116	Fri	30-Dec-2022	

Summary:

Description	No. of Working days before				Revision After IAE	Total Working Days (excluding Test & Exam)	Total Working Days (including Test & Exam)
	IAE - I	IAE - II	IAE - III	Activity			
UG III & IV Yr. PG II-Yr.	14	24	26	8	2	64	75

Academic Coordinator

HoD

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KOMARAPALAYAM - 637303

20ME502 & Heat & Mass Transfer (Teaching Plan)						
S.No	Topic	SubTopics	Planned Date	Date of Completion	Deviation Status	Remarks
1	REVISION	Revision	-	-	-	-
2	placement	placement training	-	-	-	-
3	CONDUCTION HEAT TRANSFER	Basic concepts - mechanism of heat transfer	01-08-2022	01-08-2022	No	
4	CONDUCTION HEAT TRANSFER	Conduction - Fourier's law	05-08-2022	05-08-2022	No	
5	CONDUCTION HEAT TRANSFER	General differential equation in Cartesian coordinates	08-08-2022	08-08-2022	No	
6	CONDUCTION HEAT TRANSFER	General differential equation in Cylindrical coordinates	10-08-2022	10-08-2022	No	
7	CONDUCTION HEAT TRANSFER	One dimensional steady state heat conduction	11-08-2022	11-08-2022	No	
8	CONDUCTION HEAT TRANSFER	Conduction through plane wall	12-08-2022	12-08-2022	No	
9	CONDUCTION HEAT TRANSFER	Conduction through cylinders and spherical systems	17-08-2022	17-08-2022	No	
10	CONDUCTION HEAT TRANSFER	Composite Systems	18-08-2022	20-08-2022	Yes	
11	CONDUCTION HEAT TRANSFER	Extended surfaces.	24-08-2022	24-08-2022	No	
12	CONVECTION HEAT TRANSFER	Basic concepts - Heat transfer coefficients	25-08-2022	25-08-2022	No	
13	CONVECTION HEAT TRANSFER	Boundary layer concept	26-08-2022	26-08-2022	No	
14	CONVECTION HEAT TRANSFER	Forced convection - non dimensional numbers	29-08-2022	29-08-2022	No	
15	CONVECTION HEAT TRANSFER	External flow- flow over plates	30-08-2022	30-08-2022	No	
16	CONVECTION HEAT TRANSFER	External flow- Cylinders and spheres	01-09-2022	01-09-2022	No	
17	CONVECTION HEAT TRANSFER	Internal flow- flow through Horizontal pipe	05-09-2022	05-09-2022	No	
18	CONVECTION HEAT TRANSFER	Laminar and turbulent flow problems	06-09-2022	06-09-2022	No	
19	CONVECTION HEAT TRANSFER	Free convection- non-dimensional numbers	07-09-2022	07-09-2022	No	
20	CONVECTION HEAT TRANSFER	Flow over vertical plate and horizontal plate	13-09-2022	13-09-2022	No	
21	RADIATION HEAT TRANSFER	Fundamentals of Radiation and Emission Characteristics	14-09-2022	14-09-2022	No	
22	RADIATION HEAT TRANSFER	Irradiation, Total and Monochromatic radiation, Emissivity,	15-09-2022	15-09-2022	No	
23	RADIATION HEAT TRANSFER	Laws of Radiation - Planck, Wien's displacement, Kirchoff	19-09-2022	19-09-2022	No	
24	RADIATION HEAT TRANSFER	Lambert's cosine, Stefan-Boltzmann	21-09-2022	21-09-2022	No	
25	RADIATION HEAT TRANSFER	Heat Exchange between Two Black Bodies and Gray Bodies	22-09-2022	22-09-2022	No	
26	RADIATION HEAT TRANSFER	Concepts of Shape Factor	27-09-2022	27-09-2022	No	
27	RADIATION HEAT TRANSFER	Radiation Shields	06-10-2022	06-10-2022	No	
28	PHASE CHANGE HEAT TRANSFER	Pool Boiling Regimes	23-09-2022	23-09-2022	No	
29	PHASE CHANGE HEAT TRANSFER	Determination of Heat Transfer Coefficient in Nucleate Boiling	28-09-2022	28-09-2022	No	

30	PHASE CHANGE HEAT TRANSFER	Film wise and Drop wise Condensation	29-09-2022	29-09-2022	No	
31	PHASE CHANGE HEAT TRANSFER	Nusselt's Theory of Condensation on a Vertical Plate	07-10-2022	07-10-2022	No	
32	PHASE CHANGE HEAT TRANSFER	Classification of Heat Exchangers	10-10-2022	10-10-2022	No	
33	PHASE CHANGE HEAT TRANSFER	Overall Heat Transfer Coefficient and Fouling Factor	11-10-2022	13-10-2022	Yes	
34	PHASE CHANGE HEAT TRANSFER	Log Mean Temperature Difference (LMTD)	12-10-2022	12-10-2022	No	
35	PHASE CHANGE HEAT TRANSFER	Parallel & Counter flow	14-10-2022	14-10-2022	No	
36	PHASE CHANGE HEAT TRANSFER	Effectiveness - NTU methods of analysis of heat exchangers	18-10-2022	18-10-2022	No	
37	MASS TRANSFER	Basic concepts	19-10-2022	19-10-2022	No	
38	MASS TRANSFER	Diffusion mass transfer	20-10-2022	22-10-2022	Yes	
39	MASS TRANSFER	Fick's law of diffusion	26-10-2022	26-10-2022	No	
40	MASS TRANSFER	Steady state molecular diffusion	28-10-2022	28-10-2022	No	
41	MASS TRANSFER	Convective mass transfer-correlations	01-11-2022	01-11-2022	No	
42	MASS TRANSFER	Free and Forced Convective mass transfer	04-11-2022	04-11-2022	No	
43	MASS TRANSFER	Convective mass transfer-Flat plate(External flow)	27-10-2022	28-10-2022	Yes	
44	MASS TRANSFER	Convective mass transfer-Pipe(Internal flow)	03-11-2022	03-11-2022	No	

N. Nataraj

HEAD OF THE DEPARTMENT
MECHANICAL ENGINEERING,
RITM ENGINEERING COLLEGE
K. J. SOMAYAJI

EXCEL ENGINEERING COLLEGE

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KOMARAPALAYAM - 637303

S.No	ME8791 & Mechatronics (Teaching Plan)					
S.No	Topic	SubTopics	Planned Date	Date of Completion	Deviation Status	Remarks
1	Traffic light interface	Traffic light interface	09-11-2022	09-11-2022	No	
2	ACTUATORS AND MECHATRONIC SYSTEM DESIGN	Types of Stepper and Servo motors	20-10-2022	20-10-2022	No	
3	ACTUATORS AND MECHATRONIC SYSTEM DESIGN	Construction	21-10-2022	21-10-2022	No	
4	ACTUATORS AND MECHATRONIC SYSTEM DESIGN	Working Principle	26-10-2022	26-10-2022	No	
5	ACTUATORS AND MECHATRONIC SYSTEM DESIGN	Advantages and Disadvantages	27-10-2022	27-10-2022	No	
6	ACTUATORS AND MECHATRONIC SYSTEM DESIGN	Design process-stages of design process	28-10-2022	28-10-2022	No	
7	ACTUATORS AND MECHATRONIC SYSTEM DESIGN	Traditional and Mechatronics design concepts	31-10-2022	31-10-2022	No	
8	ACTUATORS AND MECHATRONIC SYSTEM DESIGN	Case studies of Mechatronics systems	02-11-2022	02-11-2022	No	
9	ACTUATORS AND MECHATRONIC SYSTEM DESIGN	Pick and place Robot	03-11-2022	03-11-2022	No	
10	ACTUATORS AND MECHATRONIC SYSTEM DESIGN	Engine Management system	04-11-2022	06-11-2022	Yes	
11	ACTUATORS AND MECHATRONIC SYSTEM DESIGN	Automatic car park barrier	07-11-2022	07-11-2022	No	
12	PROGRAMMABLE LOGIC CONTROLLER	Introduction	29-09-2022	29-09-2022	No	
13	PROGRAMMABLE LOGIC CONTROLLER	Basic structure	30-09-2022	30-09-2022	No	
14	PROGRAMMABLE LOGIC CONTROLLER	Input and output processing	06-10-2022	06-10-2022	No	
15	PROGRAMMABLE LOGIC CONTROLLER	Programming	10-10-2022	10-10-2022	No	
16	PROGRAMMABLE LOGIC CONTROLLER	Mnemonics	12-10-2022	12-10-2022	No	
17	PROGRAMMABLE LOGIC CONTROLLER	Timers, counters and internal relays	13-10-2022	13-10-2022	No	
18	PROGRAMMABLE LOGIC CONTROLLER	Data handling	14-10-2022	16-10-2022	Yes	
19	PROGRAMMABLE LOGIC CONTROLLER	Selection of PLC	17-10-2022	18-10-2022	Yes	
20	PROGRAMMABLE LOGIC CONTROLLER	Tutorial	19-10-2022	19-10-2022	No	
21	PROGRAMMABLE PERIPHERAL INTERFACE	Introduction	14-09-2022	14-09-2022	No	
22	PROGRAMMABLE PERIPHERAL INTERFACE	Architecture of 8255	15-09-2022	15-09-2022	No	
23	PROGRAMMABLE PERIPHERAL INTERFACE	Keyboard interfacing	16-09-2022	16-09-2022	No	
24	PROGRAMMABLE PERIPHERAL INTERFACE	LED display	19-09-2022	19-09-2022	No	
25	PROGRAMMABLE PERIPHERAL INTERFACE	Interfacing, ADC and DAC interface	21-09-2022	21-09-2022	No	
26	PROGRAMMABLE PERIPHERAL INTERFACE	Temperature Control	22-09-2022	22-09-2022	No	
27	PROGRAMMABLE PERIPHERAL INTERFACE	Stepper Motor Control	23-09-2022	23-09-2022	No	
28	PROGRAMMABLE PERIPHERAL INTERFACE	Traffic Control interface	26-09-2022	26-09-2022	No	

29	PROGRAMMABLE PERIPHERAL INTERFACE	Tutorial	28-09-2022	28-09-2022	No	
30	8085 MICROPROCESSOR AND 8051 MICROCONTROLLER	Introduction	24-08-2022	24-08-2022	No	
31	8085 MICROPROCESSOR AND 8051 MICROCONTROLLER	Architecture of 8085	25-08-2022	25-08-2022	No	
32	8085 MICROPROCESSOR AND 8051 MICROCONTROLLER	Pin Configuration	26-08-2022	26-08-2022	No	
33	8085 MICROPROCESSOR AND 8051 MICROCONTROLLER	Addressing Modes	29-08-2022	29-08-2022	No	
34	8085 MICROPROCESSOR AND 8051 MICROCONTROLLER	Instruction set	01-09-2022	01-09-2022	No	
35	8085 MICROPROCESSOR AND 8051 MICROCONTROLLER	Timing diagram of 8085	02-09-2022	02-09-2022	No	
36	8085 MICROPROCESSOR AND 8051 MICROCONTROLLER	Concepts of 8051 microcontroller	05-09-2022	05-09-2022	No	
37	8085 MICROPROCESSOR AND 8051 MICROCONTROLLER	Block diagram for microcontrollers	07-09-2022	07-09-2022	No	
38	8085 MICROPROCESSOR AND 8051 MICROCONTROLLER	Tutorial	12-09-2022	12-09-2022	No	
39	INTRODUCTION	Introduction to Mechatronics	01-08-2022	01-08-2022	No	
40	INTRODUCTION	Systems	04-08-2022	04-08-2022	No	
41	INTRODUCTION	Concepts of Mechatronics approach	05-08-2022	05-08-2022	No	
42	INTRODUCTION	Need for Mechatronics	08-08-2022	08-08-2022	No	
43	INTRODUCTION	Emerging areas of Mechatronics	10-08-2022	10-08-2022	No	
44	INTRODUCTION	Classification of Mechatronics. Sensors and Transducers	11-08-2022	11-08-2022	No	
45	INTRODUCTION	Static and dynamic Characteristics of Sensor	12-08-2022	14-08-2022	Yes	
46	INTRODUCTION	Potentiometers – LVDT – Capacitance sensors	17-08-2022	17-08-2022	No	
47	INTRODUCTION	Strain gauges – Eddy current sensor – Hall effect sensor	18-08-2022	18-08-2022	No	
48	INTRODUCTION	Temperature sensors – Light sensors	22-08-2022	22-08-2022	No	

N. Sathya

HEAD OF THE DEPARTMENT
MECHANICAL ENGINEERING
EXCEL ENGINEERING COLLEGE
KOMARAPALAYAM - 637 003.



Excel Engineering College(Autonomous)
 Komarapalayam - 637303
Department of Mechanical Engineering
Academic Calendar B.E./B. Tech 2022-23-Even Semester

CWD	DAY	Date	Semester Schedule	CWD	DAY	Date	Semester Schedule
1	Monday	2-Jan-2023	Commencement of classes for III & IV Year	38	Tuesday	21-Feb-2023	
2	Tuesday	3-Jan-2023		39	Wednesday	22-Feb-2023	
3	Wednesday	4-Jan-2023		40	Thursday	23-Feb-2023	Department Meeting-07
4	Thursday	5-Jan-2023	Department Meeting-01	41	Friday	24-Feb-2023	
5	Friday	6-Jan-2023		42	Saturday	25-Feb-2023	HOLIDAY FOR STUDENTS
6	Saturday	7-Jan-2023	Industrial Guest Lecture	43	Sunday	26-Feb-2023	HOLIDAY
7	Sunday	8-Jan-2023	HOLIDAY	44	Monday	27-Feb-2023	Attendance report submission
8	Monday	9-Jan-2023		45	Tuesday	28-Feb-2023	Portion Covered details
9	Tuesday	10-Jan-2023		46	Wednesday	1-Mar-2023	1.CCM-II for III & IV Year 2.Preparatory Test-II for III & IV Year
10	Wednesday	11-Jan-2023		47	Thursday	2-Mar-2023	1.Department Meeting-08 2.Preparatory Test-II for III & IV Year
11	Thursday	12-Jan-2023	1.Department Meeting-02 2.Portion Covered details	48	Friday	3-Mar-2023	Preparatory Test-II for III & IV Year
12	Friday	13-Jan-2023	Pongal Celebration	49	Saturday	4-Mar-2023	1.Skill Development Program 2.Industrial Guest Lecture
13	Saturday	14-Jan-2023	SHANKARANTHI	50	Sunday	5-Mar-2023	HOLIDAY
14	Sunday	15-Jan-2023	PONGAL	51	Monday	6-Mar-2023	1.IAE-II EXAM FOR III & IV YEAR
15	Monday	16-Jan-2023	MAATTU PONGAL	52	Tuesday	7-Mar-2023	1.IAE-II EXAM FOR III & IV YEAR 2 Submission of Preparatory-II Answer Script
16	Tuesday	17-Jan-2023	UZHAVAR THIRUNAL	53	Wednesday	8-Mar-2023	IAE-II EXAM FOR III & IV YEAR
17	Wednesday	18-Jan-2023	Attendance report submission	54	Thursday	9-Mar-2023	Department Meeting-09
18	Thursday	19-Jan-2023	1.Department Meeting-03 2.Commencement of classes for II Year	55	Friday	10-Mar-2023	Submission of Answer Script for IAE-II for III & IV Year
19	Friday	20-Jan-2023		56	Saturday	11-Mar-2023	HOLIDAY
20	Saturday	21-Jan-2023	Academic Guest Lecture	57	Sunday	12-Mar-2023	HOLIDAY
21	Sunday	22-Jan-2023	HOLIDAY	58	Monday	13-Mar-2023	Attendance report submission
22	Monday	23-Jan-2023	Nethaji Subash Chandra Bose Jayanthi	59	Tuesday	14-Mar-2023	Result Analysis for IAE-II for III & IV Year
23	Tuesday	24-Jan-2023	1.CCM-I for III & IV Year 2.Preparatory Test-I for III & IV Year	60	Wednesday	15-Mar-2023	1.Portion Covered details 2.Presentation of IAE-II by HoD to III-Year
24	Wednesday	25-Jan-2023	1.National Voter's Day 2.Preparatory Test-I for III & IV Year	61	Thursday	16-Mar-2023	1.Department Meeting-10 2.Presentation of IAE-II by HoD to IV-Year
25	Thursday	26-Jan-2023	REPUBLIC DAY	62	Friday	17-Mar-2023	
26	Friday	27-Jan-2023	1.Portion Covered details 2.Preparatory Test-I for III & IV Year	63	Saturday	18-Mar-2023	Industrial Guest Lecture
27	Saturday	28-Jan-2023	HOLIDAY FOR STUDENTS	64	Sunday	19-Mar-2023	HOLIDAY
28	Sunday	29-Jan-2023	HOLIDAY	65	Monday	20-Mar-2023	IAE-II EXAM FOR II YEAR
29	Monday	30-Jan-2023	1.IAE-I EXAM FOR III & IV YEAR	66	Tuesday	21-Mar-2023	
30	Tuesday	31-Jan-2023	IAE-I EXAM FOR III & IV YEAR	67	Wednesday	22-Mar-2023	TELUGU NEW YEAR
31	Wednesday	1-Feb-2023	1.IAE-I EXAM FOR III & IV YEAR 2.Submission of Preparatory-I Answer Script	68	Thursday	23-Mar-2023	Department Meeting-11
32	Thursday	2-Feb-2023	Department Meeting-04	69	Friday	24-Mar-2023	
33	Friday	3-Feb-2023	Submission of Answer Script for IAE-I for III & IV Year	70	Saturday	25-Mar-2023	HOLIDAY FOR STUDENTS
34	Saturday	4-Feb-2023	Academic Guest Lecture	71	Sunday	26-Mar-2023	HOLIDAY
35	Sunday	5-Feb-2023	HOLIDAY	72	Monday	27-Mar-2023	
36	Monday	6-Feb-2023	Result Analysis for IAE-I for III & IV Year	73	Tuesday	28-Mar-2023	
37	Tuesday	7-Feb-2023	1.Attendance report submission 2.Presentation of IAE-I by HoD to III-Year	74	Wednesday	29-Mar-2023	Attendance report submission
38	Wednesday	8-Feb-2023	Presentation of IAE-I by HoD to IV-Year	75	Thursday	30-Mar-2023	1.Department Meeting-12 2.PG-II Sem Commencement of Classes
39	Thursday	9-Feb-2023	Department Meeting-05	76	Friday	31-Mar-2023	Portion Covered details
40	Friday	10-Feb-2023		77	Saturday	1-Apr-2023	National level Drone workshop
41	Saturday	11-Feb-2023	HOLIDAY	78	Sunday	2-Apr-2023	HOLIDAY
42	Sunday	12-Feb-2023	HOLIDAY	79	Monday	3-Apr-2023	
43	Monday	13-Feb-2023	IAE-I EXAM FOR II YEAR	80	Tuesday	4-Apr-2023	1.CCM-II for III & IV Year 2.Preparatory Test-III for III & IV Year
44	Tuesday	14-Feb-2023		81	Wednesday	5-Apr-2023	Preparatory Test-III for III & IV Year
45	Wednesday	15-Feb-2023	Portion Covered details	82	Thursday	6-Apr-2023	1.Department Meeting-13 2.National Conference 2023
46	Thursday	16-Feb-2023	Department Meeting-06	83	Friday	7-Apr-2023	GOOD FRIDAY
47	Friday	17-Feb-2023		84	Saturday	8-Apr-2023	HOLIDAY
48	Saturday	18-Feb-2023	Annual Day Celebration	85	Sunday	9-Apr-2023	HOLIDAY
49	Sunday	19-Feb-2023	HOLIDAY	86	Monday	10-Apr-2023	HOLIDAY
50	Monday	20-Feb-2023		87	Tuesday	11-Apr-2023	Last working day for theory class IAE-III EXAM FOR III & IV YEAR

75	Wednesday	12-Apr-2023	1.IAE-III EXAM FOR III & IV YEAR 2.Submission of Preparatory-III Answer Script	110	Friday	19-May-2023	
76	Thursday	13-Apr-2023	IAE-III EXAM FOR III & IV YEAR	111	Saturday	20-May-2023	
77	Friday	14-Apr-2023	TAMIL NEW YEAR	112	Sunday	21-May-2023	HOLIDAY
78	Saturday	15-Apr-2023	1.Submission of Answer Script for IAE-III for III & IV Year 2.Presentation of IAE-III by HoD to III-Year & 3.Presentation of IAE-III by HoD to IV-Year	113	Monday	22-May-2023	
79	Sunday	16-Apr-2023	HOLIDAY	114	Tuesday	23-May-2023	
80	Monday	17-Apr-2023	1.Result Analysis for IAE-III for III & IV Year 2.End Semester Practical Exam for III IV Year	115	Wednesday	24-May-2023	
81	Tuesday	18-Apr-2023		116	Thursday	25-May-2023	Portion Covered details
82	Wednesday	19-Apr-2023	Submission of overall attendance report & Final Internal Mark	117	Friday	26-May-2023	Department Meeting-16

81	Thursday	20-Apr-2023	Department Meeting-14	118	Saturday	27-May-2023	
82	Friday	21-Apr-2023		119	Sunday	28-May-2023	HOLIDAY
83	Saturday	22-Apr-2023	HOLIDAY FOR STUDENTS	120	Monday	29-May-2023	
84	Sunday	23-Apr-2023	HOLIDAY	121	Tuesday	30-May-2023	
85	Monday	24-Apr-2023	End Semester Theory Exam for III IV Year	122	Wednesday	31-May-2023	
86	Tuesday	25-Apr-2023		123	Thursday	1-Jun-2023	IAE-II For PG-II Sem
87	Wednesday	26-Apr-2023	IAE-I For PG-II Sem	124	Friday	2-Jun-2023	
88	Thursday	27-Apr-2023	1. IAE-III EXAM FOR II YEAR 2. Department Meeting-15	125	Saturday	3-Jun-2023	
89	Friday	28-Apr-2023		126	Sunday	4-Jun-2023	HOLIDAY
90	Saturday	29-Apr-2023	HOLIDAY	127	Monday	5-Jun-2023	
91	Sunday	30-Apr-2023	HOLIDAY	128	Tuesday	6-Jun-2023	
92	Monday	1-May-2023	MAY DAY	129	Wednesday	7-Jun-2023	Presentation of IAE-II by HoD to I-Year PG
93	Tuesday	2-May-2023		130	Thursday	8-Jun-2023	
94	Wednesday	3-May-2023		131	Friday	9-Jun-2023	
95	Thursday	4-May-2023		132	Saturday	10-Jun-2023	
96	Friday	5-May-2023		133	Sunday	11-Jun-2023	HOLIDAY
97	Saturday	6-May-2023		134	Monday	12-Jun-2023	
98	Sunday	7-May-2023	HOLIDAY	135	Tuesday	13-Jun-2023	
99	Monday	8-May-2023		136	Wednesday	14-Jun-2023	
100	Tuesday	9-May-2023		137	Thursday	15-Jun-2023	
101	Wednesday	10-May-2023		138	Friday	16-Jun-2023	
102	Thursday	11-May-2023		139	Saturday	17-Jun-2023	
103	Friday	12-May-2023		140	Sunday	18-Jun-2023	HOLIDAY
104	Saturday	13-May-2023		141	Monday	19-Jun-2023	
105	Sunday	14-May-2023	HOLIDAY	142	Tuesday	20-Jun-2023	
106	Monday	15-May-2023		143	Wednesday	21-Jun-2023	IAE-III For PG-II Sem
107	Tuesday	16-May-2023		144	Thursday	22-Jun-2023	
108	Wednesday	17-May-2023		145	Friday	23-Jun-2023	
109	Thursday	18-May-2023		146	Saturday	24-Jun-2023	

HOLIDAYS	Saturday	14-Jan-2022	Shankaranthi	Wednesday	22-Mar-2022	Telugu new year
	Sunday	15-Jan-2022	Pongal	Tuesday	4-Apr-2022	Mahavir Jayanthi
	Monday	16-Jan-2022	Mattu Pongal	Friday	7-Apr-2022	Good Friday
	Tuesday	17-Jan-2022	Uzhavar Thirunal	Friday	14-Apr-2022	Tamil New Year
	Tuesday	26-Jan-2022	Republic Day	Wednesday	1-May-2022	May day

Summary:

Description	No. of Working days before				Revision After IAE	Total Working Days (excluding Test & Exam)	Total Working Days (including Test & Exam)
	IAE - I	IAE - II	IAE - III	Activity			
UG III & IV Yr.	20	24	21	8		67	79
PG II-Yr.							

Academic Coordinator

HoD

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KOMARAPALAYAM - 625 005.

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20ME601 & Design of Transmission Systems (Teaching Plan)						
S.No	Topic	SubTopics	Planned Date	Date of Completion	Deviation Status	Remarks
1	Revision	Revision	10-04-2023	10-04-2023	No	-
2	Internal Exam	Internal-II	08-03-2023	07-03-2023	No	-
3	SELECTION OF FLAT ,V BELTS AND CHAINS	Design of Flat belts and pulleys	02-01-2023	02-01-2023	No	-
4	SELECTION OF FLAT ,V BELTS AND CHAINS	Design of Flat belts and pulleys	03-01-2023	03-01-2023	No	-
5	SELECTION OF FLAT ,V BELTS AND CHAINS	Selection of V belts and pulleys	04-01-2023	04-01-2023	No	-
6	SELECTION OF FLAT ,V BELTS AND CHAINS	Selection of V belts and pulleys	05-01-2023	05-01-2023	No	-
7	SELECTION OF FLAT ,V BELTS AND CHAINS	Selection of hoisting wire ropes and pulleys	06-01-2023	06-01-2023	No	-
8	SELECTION OF FLAT ,V BELTS AND CHAINS	Selection of hoisting wire ropes and pulleys	09-01-2023	09-01-2023	No	-
9	SELECTION OF FLAT ,V BELTS AND CHAINS	Design of Transmission chains and Sprockets	10-01-2023	10-01-2023	No	-
10	SELECTION OF FLAT ,V BELTS AND CHAINS	Design of Transmission chains and Sprockets	11-01-2023	11-01-2023	No	-
11	SELECTION OF FLAT ,V BELTS AND CHAINS	Revision and Problem Solving	27-01-2023	13-01-2023	No	-
12	SELECTION OF FLAT ,V BELTS AND CHAINS	IAE-I	01-02-2023	30-01-2023	No	-
13	DESIGN OF SPUR AND HELICAL GEARS	Speed ratios and number of teeth	02-02-2023	02-02-2023	No	-
14	DESIGN OF SPUR AND HELICAL GEARS	Force analysis -Tooth stresses	03-02-2023	03-02-2023	No	-
15	DESIGN OF SPUR AND HELICAL GEARS	Dynamic effects – Fatigue strength- Factor of safety - Gear materials	06-02-2023	06-02-2023	No	-
16	DESIGN OF SPUR AND HELICAL GEARS	Design of straight tooth spur & helical gears based on strength and wear considerations	07-02-2023	07-02-2023	No	-
17	DESIGN OF SPUR AND HELICAL GEARS	Design of straight tooth spur & helical gears based on strength and wear considerations	08-02-2023	09-02-2023	Yes	-
18	DESIGN OF SPUR AND HELICAL GEARS	Design of straight tooth spur & helical gears based on strength and wear considerations	09-02-2023	09-02-2023	No	-
19	DESIGN OF SPUR AND HELICAL GEARS	Pressure angle in the normal and transverse plane	10-02-2023	10-02-2023	No	-
20	DESIGN OF SPUR AND HELICAL GEARS	Design of straight tooth spur & helical gears based on strength and wear considerations	13-02-2023	14-02-2023	Yes	-
21	DESIGN OF SPUR AND HELICAL GEARS	Equivalent number of teeth- forces for helical gears	16-02-2023	17-02-2023	Yes	-
22	DESIGN OF BEVEL AND WORM GEARS	Straight bevel gear: Tooth terminology, tooth forces and stresses	24-02-2023	22-02-2023	No	-
23	DESIGN OF BEVEL AND WORM GEARS	equivalent number of teeth. Estimating the dimensions of pair of straight bevel gears	27-02-2023	27-02-2023	No	-
24	DESIGN OF BEVEL AND WORM GEARS	equivalent number of teeth. Estimating the dimensions of pair of straight bevel gears	28-02-2023	28-02-2023	No	-
25	DESIGN OF BEVEL AND WORM GEARS	equivalent number of teeth. Estimating the dimensions of pair of straight bevel gears	01-03-2023	01-03-2023	No	-

26	DESIGN OF BEVEL AND WORM GEARS	Worm Gear: Merits and demerits terminology. Thermal capacity, materials-forces and stresses,efficiency	02-03-2023	02-03-2023	No	
27	DESIGN OF BEVEL AND WORM GEARS	Worm Gear: Merits and demerits terminology. Thermal capacity, materials-forces and stresses,efficiency	03-03-2023	02-03-2023	No	
28	DESIGN OF BEVEL AND WORM GEARS	Worm Gear: Merits and demerits terminology. Thermal capacity, materials-forces and stresses,efficiency	03-03-2023	02-03-2023	No	
29	DESIGN OF BEVEL AND WORM GEARS	Estimating the size of the worm gear pair	27-02-2023	27-02-2023	No	
30	DESIGN OF BEVEL AND WORM GEARS	Cross helical: Terminology-helix angles-Estimating the size of the pair of cross helical gears.	27-02-2023	27-02-2023	No	
31	DESIGN GEAR BOXES	Geometric progression - Standard step ratio	09-03-2023	09-03-2023	No	
32	DESIGN GEAR BOXES	Ray diagram, kinematics layout	21-03-2023	20-03-2023	No	
33	DESIGN GEAR BOXES	Design of sliding mesh gear box - Design of multi speed gear box for machine tool applications	13-03-2023	13-03-2023	No	
34	DESIGN GEAR BOXES	Design of sliding mesh gear box - Design of multi speed gear box for machine tool applications	14-03-2023	14-03-2023	No	
35	DESIGN GEAR BOXES	Design of sliding mesh gear box - Design of multi speed gear box for machine tool applications	15-03-2023	15-03-2023	No	
36	DESIGN GEAR BOXES	Design of sliding mesh gear box - Design of multi speed gear box for machine tool applications	16-03-2023	16-03-2023	No	
37	DESIGN GEAR BOXES	Constant mesh gear box - Speed reducer unit	20-03-2023	17-03-2023	No	
38	DESIGN GEAR BOXES	Variable speed gear box, Fluid Couplings, Torque Converters for automotive applications.	13-04-2023	05-04-2023	No	
39	DESIGN GEAR BOXES	Variable speed gear box, Fluid Couplings, Torque Converters for automotive applications.	13-04-2023	05-04-2023	No	
40	DESIGN OF FRICTIONAL DRIVES	Design of plate clutches –axial clutches	23-03-2023	23-03-2023	No	
41	DESIGN OF FRICTIONAL DRIVES	Design of plate clutches –axial clutches	24-03-2023	27-03-2023	Yes	
42	DESIGN OF FRICTIONAL DRIVES	Design of plate clutches –axial clutches	28-03-2023	30-03-2023	Yes	
43	DESIGN OF FRICTIONAL DRIVES	cone clutches-internal expanding rim clutches	31-03-2023	31-03-2023	No	
44	DESIGN OF FRICTIONAL DRIVES	forces and surface stresses	06-04-2023	05-04-2023	No	
45	DESIGN OF FRICTIONAL DRIVES	Electromagnetic clutches. Band and Block brakes - external shoe brakes – Internal expanding shoe brake	13-04-2023	11-04-2023	No	
46	DESIGN OF FRICTIONAL DRIVES	Electromagnetic clutches. Band and Block brakes - external shoe brakes – Internal expanding shoe brake	03-04-2023	03-04-2023	No	
47	DESIGN OF FRICTIONAL DRIVES	Cam Design: Types-pressure angle and under cutting base circle determination	10-04-2023	11-04-2023	No	
48	DESIGN OF FRICTIONAL DRIVES	Cam Design: Types-pressure angle and under cutting base circle determination	10-04-2023	04-04-2023	No	

10, *Indranil*

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20ME403 & Manufacturing Technology-II (Teaching Plan)

S.No	Topic	SubTopics	Planned Date	Date of Completion	Deviation Status	Remarks
1	Test	Cycle Test 1	17-02-2023	17-02-2023	No	-
2	Test	IAE-II	24-03-2023	29-03-2023	Yes	-
3	Additive Manufacturing Processes	Introduction	11-04-2023	11-04-2023	No	-
4	Additive Manufacturing Processes	Fused deposition modelling (FDM)	11-04-2023	11-04-2023	No	-
5	Additive Manufacturing Processes	Selective Laser Sintering (SLS)	14-04-2023	19-04-2023	Yes	-
6	Additive Manufacturing Processes	Stereolithography (SLA)	19-04-2023	19-04-2023	No	-
7	Additive Manufacturing Processes	Selective Laser Melting (SLM)	18-04-2023	19-04-2023	Yes	-
8	Additive Manufacturing Processes	Laminated object manufacturing	21-04-2023	19-04-2023	No	-
9	Additive Manufacturing Processes	Merits, demerits	19-04-2023	19-04-2023	No	-
10	Additive Manufacturing Processes	Merits, demerits 1	19-04-2023	19-04-2023	No	-
11	Additive Manufacturing Processes	Additive Manufacturing Processes-applications	14-04-2023	19-04-2023	Yes	-
12	Computer Numerical Controlled Machines	Computer numerical control (CNC) of machine tools	31-03-2023	31-03-2023	No	-
13	Computer Numerical Controlled Machines	Computer numerical control (CNC) of machine tools1	04-04-2023	30-03-2023	No	-
14	Computer Numerical Controlled Machines	CNC types	18-04-2023	19-04-2023	Yes	-
15	Computer Numerical Controlled Machines	constructional details	25-04-2023	25-04-2023	No	-
16	Computer Numerical Controlled Machines	Part programming	21-04-2023	21-04-2023	No	-
17	Computer Numerical Controlled Machines	Part programming 1	26-04-2023	26-04-2023	No	-
18	Computer Numerical Controlled Machines	manual and computer aided part programming	26-04-2023	26-04-2023	No	-
19	Computer Numerical Controlled Machines	manual and computer aided part programming1	28-03-2023	28-03-2023	No	-
20	Computer Numerical Controlled Machines	manual and computer aided part programming11	29-03-2023	30-03-2023	Yes	-
21	Surface Finishing Processes	Grinding wheel - specifications and selection	28-02-2023	28-02-2023	No	-
22	Surface Finishing Processes	Grinding wheel specifications and selection	08-03-2023	08-03-2023	No	-
23	Surface Finishing Processes	types of grinding process	15-03-2023	15-03-2023	No	-
24	Surface Finishing Processes	types of grinding process 1	01-03-2023	01-03-2023	No	-
25	Surface Finishing Processes	cylindrical grinding	07-03-2023	07-03-2023	No	-
26	Surface Finishing Processes	surface grinding, and centre less grinding	15-03-2023	16-03-2023	Yes	-
27	Surface Finishing Processes	surface grinding, and centre less grinding1	01-03-2023	03-03-2023	Yes	-
28	Surface Finishing Processes	honing, lapping, super finishing	03-03-2023	03-03-2023	No	-
29	Surface Finishing Processes	polishing and buffing	07-03-2023	07-03-2023	No	-
30	Theory of Metal Cutting and Lathe	Metal removal processes	20-01-2023	20-01-2023	No	-
31	Theory of Metal Cutting and Lathe	Theory of metal cutting	24-01-2023	24-01-2023	No	-
32	Theory of Metal Cutting and Lathe	Merchant's circle	25-01-2023	25-01-2023	No	-
33	Theory of Metal Cutting and Lathe	chip formation	27-01-2023	27-01-2023	No	-
34	Theory of Metal Cutting and Lathe	Lathe	31-01-2023	31-01-2023	No	-
35	Theory of Metal Cutting and Lathe	Specifications of Lathe	01-02-2023	01-02-2023	No	-
36	Theory of Metal Cutting and Lathe	Lathe Parts	07-02-2023	03-02-2023	No	-
37	Theory of Metal Cutting and Lathe	operations performed on lathe	08-02-2023	07-02-2023	No	-
38	Theory of Metal Cutting and Lathe	accessories and Attachments.	10-02-2023	10-02-2023	No	-
39	Special Purpose Machines	Working principles of Shaper	03-03-2023	27-02-2023	No	-
40	Special Purpose Machines	Working principles of Planer	14-03-2023	27-02-2023	No	-
41	Special Purpose Machines	Working principles of slotter	14-03-2023	27-02-2023	No	-
42	Special Purpose Machines	Working principles of Drilling	17-02-2023	20-02-2023	Yes	-
43	Special Purpose Machines	Drilling Operations	24-02-2023	22-02-2023	No	-
44	Special Purpose Machines	Milling machines	21-02-2023	21-02-2023	No	-
45	Special Purpose Machines	gear milling, shaping	22-02-2023	22-02-2023	No	-
46	Special Purpose Machines	gear hobbing	22-02-2023	27-02-2023	Yes	-
47	Special Purpose Machines	Finishing of gears	28-02-2023	21-02-2023	No	-

N. Nataraj

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