ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY

*Permanently Affiliated to JNTUK Kakinada * Approved by AICTE, New Delhi *
Recognized by UGC Under section 2(f) and 12 (B) of UGC Act 1956
ADB ROAD, ADITYA NAGARA, SURAMPALEM-533437

Institute Vision

To induce higher planes of learning by imparting technical education with

- International standards
- Applied research
- Creative Ability
- Value based instruction and
- To emerge as a premiere institute.

Institute Mission

Achieving academic excellence by providing globally acceptable technical education by forecasting technology through

- Innovative Research And development
- Industry Institute Interaction
- Empowered Manpower

Principal

PRINCIPAL
Aditya College of
Engineering & Technology
SURAMPALEM

ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY

*Permanently Affiliated to JNTUK Kakinada * Approved by AICTE, New Delhi *
Recognized by UGC Under section 2(f) and 12 (B) of UGC Act 1956
ADB ROAD, ADITYA NAGARA, SURAMPALEM-533437

Department of Mechanical Engineering

Department Vision:

To be a center of excellence in Mechanical Engineering education and research.

Department Mission:

1. To promote trainings with institutional association
2. To achieve learning centric infra-structure
3. To provide skill based education with focus on Automotive
4. To promote innovative ideas through creativity and leadership quality

Head-ME

PRINCIPAL
Aditya College of
Engineering & Tech
SURAMPA

Website: www.jntuk.edu.in
Email: dap@jntuk.edu.in

Phone: 0884-2300991

Directorate of Academic Planning

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
KAKINADA-533003, Andhra Pradesh, INDIA
(Established by AP Government Act No. 30 of 2008)

Lr. No. DAP/RAC/ II,III & IV Year /B. Tech/B. Pharmacy/2021 *Date 08.10.2021*

Dr. R. Srinivasa Rao,
Director, Academic Planning
JNTUK, Kakinada

To
All the Principals of Affiliated Colleges,
JNTUK, Kakinada.

Revised Academic Calendar for II, III, IV Year - B. Tech/B. Pharmacy for the AY 2021-22
(As per G.O. Rt. No. 242, Higher Education (U.E) Dept., dated 13.09.2021)

I SEMESTER			
Description	**From**	**To**	**Weeks**
Commencement of Class Work	**01.10.2021**		
I Unit of Instruction	01.10.2021	20.11.2021	7W
I Mid Examinations	22.11.2021	27.11.2021	1W
II Unit of Instructions	29.11.2021	15.01.2022	7W
II Mid Examinations	17.01.2022	22.01.2022	1W
Preparation & Practicals	24.01.2022	29.01.2022	1W
End Examinations	31.01.2022	12.02.2022	2W
Commencement of II Semester Class Work	**14.02.2022**		
II SEMESTER			
I Unit of Instructions	**14.02.2022**	02.04.2022	7W
I Mid Examinations	04.04.2022	09.04.2022	1W
II Unit of Instructions	11.04.2022	28.05.2022	7W
II Mid Examinations	30.05.2022	04.06.2022	1W
Preparation & Practicals	06.06.2022	11.06.2022	1W
End Examinations	13.06.2022	25.06.2022	2W
Commencement of next Year Class Work			
Note: Calendar is prepared with 8 hrs/day hence 7 weeks per instruction period			

R. Srinivasa Rao
Director Academic Planning

Director
Academic Planning
JNTUK Kakinada

Copy to the Secretary to the Hon'ble Vice Chancellor, JNTUK
Copy to Rector, Registrar, JNTUK
Copy to Director Academic Audit, JNTUK
Copy to Director of Evaluation, JNTUK

PRINCIPAL
Aditya College of
Engineering & Technology
SURAMPALEM

ADITYA COLLEGE OF ENGINEERING AND TECHNOLOGY
Surampalem, Andhra Pradesh.

Course File Checklist

Course Name:	Material Science & Metallurgy	**Class**	II – II
Faculty Name:	A. Swathi	**Regulation**	R 20

AY: 2021-22 1st Semester

S.No.	Content	Expected response	Status
1.	Cover Page	Yes/No	Yes
2.	IQAC verification page	Yes/No	Yes
3.	Content Page	Yes/No	Yes
4.	Vision and Mission of the Institute – Principal signed Xerox copy	Yes/No	Yes
5.	Vision and Mission of the Department – HoD signed Xerox copy	Yes/No	Yes
6.	Program Educational Objectives (PEOs) - HoD signed Xerox copy	Yes/No	Yes
7.	Program Outcomes (POs) - HoD signed Xerox copy	Yes/No	Yes
8.	Program Specific Outcomes (PSOs) - HoD signed Xerox copy	Yes/No	Yes
9.	Course Syllabus – Xerox copy from University curriculum book	L-T-P-C	Yes
10.	Academic Calendar –given by University - Xerox copy	Yes/No	Yes
11.	Class Time table – Signed and Xerox copy (highlighting the course periods including tutorial)	Yes/No	Yes
12.	Lesson Plan with S.No as L.No, Topic, Teaching aid (TA)/Methodology (TM), Text/Reference book and web references.	L:--- T:--- TA:--- TM:----	Yes
13.	i. Course Outcomes (COs) – 6 Based on syllabus with BT level mapped ii. Course Outcomes Mapping with POs and PSOs iii. Justification for CO-PO and CO-PSO mapping	COs:--- POs:--- PSOs:--	Yes
14.	List of Gaps within the syllabus – Mapping to CO, POs and PSOs with Justification and proposed mode of addressing	Gaps:--- COs: --- POs: --- PSOs: ---	Yes
15.	List of Gaps beyond the syllabus – Mapping to POs and PSOs with Justification and proposed mode of addressing	Gaps:--- POs: --- PSOs: ---	Yes
16.	CO – PO/PSO Mapping including Gaps	POs:--- PSOs:--	Yes
17.	Gap addressed – Single page report	Yes/No	Yes
18.	Brief notes on the importance of the course	Yes/No	Yes
19.	Lecture Notes - Unit wise including gaps	Pages: ---	Yes
20.	List of Power Point Presentations / Videos along with CD	PPTs: --- Videos:--	Yes
21.	University Question Papers (3 previous years Xerox copies)	AYs: ---	Yes
22.	Unit wise short and long answer question bank	Qs: ----	Yes
23.	Unit wise Quiz Questions	Qs: ----	Yes
24.	Class Tests Question Papers mapped with CO and BT with solutions (Award list, Xerox copy of any 3 students answer scripts)	Yes/No	Yes.

	any 3 students answer scripts)		
27.	Scheme of evaluation with CO and BT mapping	Yes/No	Yes
28.	Tutorial topics with evidence both material and attendance	Yes/No	Yes
29.	3 lists of slow and advanced learners – 1. Based on previous semester/upto to previous semester. 2. Based on faculty observations upto 3 weeks. 3. Based on 1st mid exams.	 Yes/No Yes/No Yes/No	 Yes Yes Yes
30.	Remedial class for slow learners – schedule and contents/materials.	Yes/No	Yes
31.	Remedial class attendance sheet with delivery record	Yes/No	Yes
32.	Advance Learners – Engagement documentation For GATE preparations Or any others (please specify)	 No. No.	 –
33.	List of student certifications in relevant NPTEL/other MOOC courses	Reg:-- Cert:---	 –
34.	Course Assessment (Plan & Execution)	Att:---	Yes
35.	Course end survey form, filled forms and analysis	Att:---	Yes
36.	Students feedback on faculty and TL analysis, corrective measured planned – 3rd & 13th week	Yes/No Yes/No	Yes
37.	Result Analysis at the end of the course	Pass%:--	70
38.	Observation for not attaining CO or for improvement	No.of obs	–
39.	Plan of action to improve CO attainment next time	No.of act	–
40.	Attendance register (including Theory/Tutorial) – Teacher/Course delivery record, continuous evaluation	Filled Yes/No	Yes
41.	Course file (Digital form) – all the above contents	Yes/No	Yes

#other than Yes/No, please give the number/statistics

Faculty

Course file Coordinator

PRINCIPAL
Aditya College of
Engineering & Technology
SURAMPALEM

Aditya College of Engineering & Technology

Aditya Nagar, ADB Road, Surampalem - 533437

DEPARTMENT OF MECHANICAL ENGINEERING

2021-22 1st Semester

LESSON PLAN

PROGRAM:B.TECH	**CLASS:**II– I MECHANICAL – A
COURSE NAME: Metallurgy and Material Science	**FACULTY NAME:** A.Swathi

L.No	Topic/ Sub Topic	Reference	Teaching method##
1.	**Structure of Metals and Constitution of alloys:** Bonds in Solids, Metallic bond,	R1(1-8)	C&T
2.	crystallization of metals, Packing Factor - SC, BCC, FCC& HCP	R1(9-12)	S/P
3.	Line density, plane density	R1(13-19)	S/P
4.	Grain and grain boundaries, effect of grain boundaries on the Properties of metal	R1(35-38)	C&T
5.	alloys – determination of grain size	R1(25-32)	
6.	Imperfections – point, line, surface and volume- Slip and Twinning.	R1(29-35)	C&T
7.	Necessity of alloying, types of solid solutions,	R1(160-161)	C&T
8.	Hume Rotherys rules, intermediate alloy phases, and electron compounds	R1(161-162)	C&T
9.	**Equilibrium Diagrams :** Experimental methods of construction of equilibrium diagrams, Isomorphous alloy systems	R1(166-169)	C&T
10.	equilibrium cooling and heating of alloys,	R1(169-171)	S/P
11.	Lever rule, coring miscibility gaps,	R1(174-179)	S/P
12.	eutectic systems, congruent melting intermediate phases	R1(181-189)	
13.	peritectic reaction. Transformations in the solid state, allotropy, eutectoid, peritectoid reactions	R1(189-196)	S/P
14.	phase rule, relationship between equilibrium diagrams and properties of alloys	R1(198-202)	S/P
15.	Study of binary phase diagrams such as Cu-Ni and Fe-Fe_3C.	R1(308-309)	S/P
16.	**UNIT –II** **Ferrous metals and alloys:** Structure and properties of White Cast iron, Malleable Cast iron	R1(455-459)	S/P
17.	grey cast iron, Spheriodal graphite cast iron, Alloy cast irons	R1(469-473)	
18.	Classification of steels, structure and properties of plain carbon steels, Low alloy steels	R1(420-422)	C&T
19.	Hadfield manganese steels, tool and die steels	R1(436-442)	S/P
20.	**Non-ferrous Metals and Alloys:** Structure and properties of Copper and its alloys	R1(483-484)	S/P
21.	Aluminium and its alloys	R1(489-491)	S/P
22.	Titanium and its alloys	R1(505-506)	S/P
23.	Magnesium and its alloys, Super alloys	R1(506-507)	S/P
24.	**UNIT – III** **Heat treatment of Alloys:** Effect of alloying elements on Fe-Fe_3C system,	R1(308-311)	C&T
25.	Annealing, normalizing	R1(373-377)	S/P
26.	Hardening TTT diagrams	R1(378-382)	C&T

27.	tempering, hardenability,	R1(386-389)	S/P
28.	surface - hardening methods,	R1(389-390)	S/P
29.	Age hardening treatment, Cryogenic treatment of alloys.	R1(390-395)	S/P
30.	**UNIT – IV** **Powder Metallurgy:** Basic processes- Methods of producing metal powders	R1(531-539)	C&T
31.	Milling,atomization	R1(539-542)	S/P
32.	Granulation-Reduction Electrolytic Deposition	R1(542-546)	S/P
33.	Compacting methods	R1(546-550)	C&T
34.	Sintering - Methods of manufacturing sintered parts.	R1(551-555)	S/P
35.	Sintering Secondary operations- Sizing, coining, machining	R1(555-556)	S/P
36.	Factors determining the use of powder metallurgy	R1(556-558)	S/P
37.	Application of powder metallurgy process.	R1(558-559)	S/P
38.	**UNIT – V** **Ceramic and composite materials:** Crystalline ceramics	R1(561-563)	S/P
39.	glasses	R1(563-566)	S/P
40.	cermets,	R1(554-555)	S/P
41.	abrasive materials	R1(572-574)	S/P
42.	Classification of composites	R1(575-576)	S/P
43.	various methods of component manufacture of composites	R1(576-578)	C&T
44.	particle – reinforced materials,	R1(578-582)	C&T
45.	fiber reinforced materials	R1(582-584)	C&T
46.	metal ceramic mixtures	R1(584-586)	S/P
47.	metal – matrix composites	R1(586-588)	C&T
48.	C – C composites	R1(588-592)	S/P
49.	Nano-materials – definition	R1(592-593)	S/P
50.	Nano-materials properties and application	R1(594-598)	C&T

Teaching Methods:C&T:-Chalk & Talk; S/P:-Slides/PPT;Videos; SEM: Seminar; DEMO; CHART; ET/GL:Expert Talk/Guest Lecture; QUIZ; GD:-Group discussion; RTCS: Real time case studies; JAR:-Journal article review; PD:-Poster design; OL:-Online lecture/ White Board through Microsoft Teams

TEXT BOOKS:

1. Introduction to Physical Metallurgy - Sidney H. Avener -McGrawHill
2. Essential of Materials science and engineering - Donald R.Askeland -Cengage.

REFERENCES:

1. Material Science and Metallurgy – Dr. V.D.kodgire- Everest PublishingHouse
2. Materials Science and engineering - Callister&Baalasubrahmanyam- Wiley Publications
3. Material Science for Engineering students – Fischer – ElsevierPublishers
4. Material science and Engineering - V. Rahghavan-PHIPublishers
5. Introduction to Material Science and Engineering – Yip-Wah Chung CRCPress
6. Material Science and Metallurgy – A V K Suryanarayana – B SPublications
7. Material Science and Metallurgy – U. C. Jindal – PearsonPublications

Faculty Signature

HoD-ME

PRINCIPAL
Aditya College of
Engineering & Technology
SURAMPALEM

ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY

(Permanently Affiliated to JNTUK, Kakinada, Approved by AICTE, New Delhi.
Recognized by UGC Under Section (2f) and 12(B) of UGC Act 1956
Aditya Nagar, ADB Road, Surampalem,

II B.TECH - II SEMESTER (2021-22), I MID EXAMINATION

Department of Mechanical Engineering

MATERIALS SCIENCE & METALLURGY

Time: 01:30 Hrs. **Date: 26-04-2022 (R 20 Regulation)** **Max. Marks: 45** **SET-II**

All Questions Compulsory; All Questions carry Equal Marks

Q.No		Question	Marks	CO No.	Knowledge Level
1	a)	What is atomic packing factor (APF)? Calculate APF for SC, BCC and FCC	7	1	APPLY
	b)	What are the invariant reactions that take place in Fe -Fe3C diagram? Explain	8	2	UNDERSTAND
2	a)	Name the various types of cast iron and discuss their properties and uses	7	3	REMEMBER
	b)	Classify different forms of Cu alloys and explain them in detail and also list out common properties & applications of these alloys?	8		REMEMBER
3	a)	What is annealing? Explain different types of annealing processes	7	4	REMEMBER
	b)	Describe the effect of alloying elements on Fe-Fe3C system	8		REMEMBER

ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY

(Permanently Affiliated to JNTUK, Kakinada, Approved by AICTE, New Delhi.
Recognized by UGC Under Section (2f) and 12(B) of UGC Act 1956
Aditya Nagar, ADB Road, Surampalem,

II B.TECH - II SEMESTER (2021-22), I MID EXAMINATION

Department of Mechanical Engineering

MATERIALS SCIENCE & METALLURGY

Time: 01:30 Hrs. **Date: 26-04-2022 (R 20 Regulation)** **Max. Marks: 45** **SET-II**

All Questions Compulsory; All Questions carry Equal Marks

Q.No		Question	Marks	CO No.	Knowledge Level
1	a)	What is atomic packing factor (APF)? Calculate APF for SC, BCC and FCC	7	1	APPLY
	b)	What are the invariant reactions that take place in Fe -Fe3C diagram? Explain	8	2	UNDERSTAND
2	a)	Name the various types of cast iron and discuss their properties and uses	7	3	REMEMBER
	b)	Classify different forms of Cu alloys and explain them in detail and also list out common properties & applications of these alloys?	8		REMEMBER
3	a)	What is annealing? Explain different types of annealing processes	7	4	REMEMBER
	b)	Describe the effect of alloying elements on Fe-Fe3C system	8		REMEMBER

PRINCIPAL
Aditya College of
Engineering & Technology
SURAMPALEM

ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY

(Permanently Affiliated to JNTUK, Kakinada, Approved by AICTE, New Delhi.
Recognized by UGC Under Section (2f) and 12(B) of UGC Act 1956
Aditya Nagar, ADB Road, Surampalem,

II B.TECH - II SEMESTER (2021-22), II MID EXAMINATION

Department of Mechanical Engineering

MATERIALS SCIENCE & METALLURGY

Time: 01:30 Hrs. **Date: 21-06-2022 (R 20 Regulation)** **Max. Marks: 45** **SET-II**

All Questions Compulsory; All Questions carry Equal Marks

Q.No		Question	Marks	CO No.	Knowledge Level
1		How the TTT curves are drawn? Explain the construction of TTT curve.	15	4	UNDERSTAND
2		Explain about various Compactions in Sintering	15	5	UNDERSTAND
3		Describe about Metal Matrix Composites & list out its Applications	15	6	REMEMBER

ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY

(Permanently Affiliated to JNTUK, Kakinada, Approved by AICTE, New Delhi.
Recognized by UGC Under Section (2f) and 12(B) of UGC Act 1956
Aditya Nagar, ADB Road, Surampalem,

II B.TECH - II SEMESTER (2021-22), II MID EXAMINATION

Department of Mechanical Engineering

MATERIALS SCIENCE & METALLURGY

Time: 01:30 Hrs. **Date: 21-06-2022 (R 20 Regulation)** **Max. Marks: 45** **SET-II**

All Questions Compulsory; All Questions carry Equal Marks

Q.No		Question	Marks	CO No.	Knowledge Level
1		How the TTT curves are drawn? Explain the construction of TTT curve.	15	4	UNDERSTAND
2		Explain about various Compactions in Sintering	15	5	UNDERSTAND
3		Describe about Metal Matrix Composites & list out its Applications	15	6	REMEMBER

ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY

(Permanently Affiliated to JNTUK, Kakinada, Approved by AICTE, New Delhi.
Recognized by UGC Under Section (2f) and 12(B) of UGC Act 1956
Aditya Nagar, ADB Road, Surampalem,

II B.TECH - II SEMESTER (2021-22), II MID EXAMINATION

Department of Mechanical Engineering

MATERIALS SCIENCE & METALLURGY

Time: 01:30 Hrs. **Date: 21-06-2022 (R 20 Regulation)** **Max. Marks: 45** **SET-II**

All Questions Compulsory; All Questions carry Equal Marks

Q.No		Question	Marks	CO No.	Knowledge Level
1		How the TTT curves are drawn? Explain the construction of TTT curve.	15	4	UNDERSTAND
2		Explain about various Compactions in Sintering	15	5	UNDERSTAND
3		Describe about Metal Matrix Composites & list out its Applications	15	6	REMEMBER

PRINCIPAL
Aditya College of
Engineering & Technology
SURAMPALEM

ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY

(Permanently Affiliated to JNTUK, Kakinada, Approved by AICTE, New Delhi.
Recognized by UGC Under Section (2f) and 12(B) of UGC Act 1956
Aditya Nagar, ADB Road, Surampalem,

II B.TECH - II SEMESTER (2021-22), II MID EXAMINATION

Department of Mechanical Engineering

MATERIALS SCIENCE & METALLURGY

Time: 01:30 Hrs. **Date: 21-06-2022 (R 20 Regulation)** **Max. Marks: 45** **SET-II**

All Questions Compulsory; All Questions carry Equal Marks

Q.No		Question	Marks	CO No.	Knowledge Level
1		How the TTT curves are drawn? Explain the construction of TTT curve.	15	4	UNDERSTAND
2		Explain about various Compactions in Sintering	15	5	UNDERSTAND
3		Describe about Metal Matrix Composites & list out its Applications	15	6	REMEMBER

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
KAKINADA – 533 003, Andhra Pradesh, India

DEPARTMENT OF MECHANICAL ENGINEERING

II Year - II Semester		L	T	P	C
		0	0	3	1.5
MECHANICS OF SOLIDS & METALLURGY LAB					

Course Objective: To impart practical exposure on the microstructures of various materials and their hardness evaluation. Also to impart practical knowledge on the evaluation of material properties through various destructive testing procedures.

NOTE: Any 6 experiments from each section A and B.

(A) MECHANICS OF SOLIDSLAB:

1. Direct tensiontest
2. Bending teston
   a) Simple supported
   b) Cantileverbeam
3. Torsiontest
4. Hardnesstest
   a) Brinells hardnesstest
   b) Rockwell hardnesstest
5. Test onsprings
6. Compression test oncube
7. Impacttest
8. Punch shear test

(B) METALLURGYLAB:

1. Preparation and study of the Microstructure of pure metals like Iron, Cu and Al.
2. Preparation and study of the Microstructure of Mild steel, Medium carbon steels, High carbon steels.
3. Study of the Micro Structures of Cast Irons.
4. Study of the Micro Structures of Non-Ferrousalloys.
5. Study of the Micro structures of Heat treated steels.
6. Hardeneability of steels by Jominy End QuenchTest.
7. To find out the hardness of various treated and untreated steels.

PRINCIPAL
Aditya College of
Engineering & Technology
SURAMPALEM

ADITYA
COLLEGE OF ENGINEERING & TECHNOLOGY
Approved by AICTE, New Delhi • Permanently Affiliated to JNTUK, Kakinada
Accredited by NBA, & NAAC (A+) with CGPA of 3.4
Recognized by UGC Under Sections 2(f) and 12(B) of the UGC Act, 1956
Ph: 99591 70665
Email: office@acet.ac.in
Website: www.acet.ac.in

DEPARTMENT OF MECHANICAL ENGINEERING

METALLURGY & MATERIALS SCIENCE LAB

B.Tech. 2/2, II-SEMESTER (R20)

LIST OF EXPERIMENTS

1) Study and draw the Microstructures of Aluminum and Copper alloys
2) Study and draw the Microstructure of Mild steels, low carbon steels, high – C steels
3) Study and draw the Microstructure of Cast Iron
4) Study and draw the Microstructures of non ferrous alloys
5) Study and draw the microstructure of heat treated steels using muffle furnace.
6) Study the Hardenability of steels by Jominy End Quench Test

ADDITIONAL EXPERIMENTS

1) Study the Microstructures of alloy steels
2) Study the Microstructures of high speed steels
3) Study and measure the grain size of different materials.
4) Preparation of cold and hot mounts for microstructure examination

Pramod Kumar
Lab In-charge

Head-ME

PRINCIPAL
Aditya College of
Engineering & Technology
SURAMPALEM

ADITYA
COLLEGE OF ENGINEERING & TECHNOLOGY
Approved by AICTE, New Delhi • Permanently Affiliated to JNTUK, Kakinada
Accredited by NBA & NAAC (A+) with CGPA of 3.4
Recognized by UGC under Section 2(f)and 12(B) of the UGC Act, 1956
Ph: 99591 78668
Email: office@aceat.ac.in
Website: www.aceat.ac.in

DEPARTMENT OF MECHANICAL ENGINEERING

METALLURGY & MATERIALS SCIENCE LAB

B.Tech. 2/2, II-SEMESTER (R20)

Lab Occupancy Chart

A.Y- 2021-22

DAY	10:20 AM TO 11:10 AM	11:10 AM TO 12:00 PM	12:00 PM TO 12:50 PM	12:50 PM TO 01:50 PM	1:50 PM TO 2:40 PM	2:40 PM TO 3:30 PM	3:30 PM TO 4:20 PM
MON	LAB MAINTENANCE			LUNCH			
TUE	II-MECH-B (Batch-I)				II-MECH-C (Batch-II)		
WED					II-MECH-A (Batch-II)		
THU							
FRI	II-MECH-C (Batch-I)				LAB MAINTENANCE		
SAT	II-MECH-A (Batch-I)				II-MECH-B (Batch-II)		

Physical Lab In-charge		Dr. Pramod Kumar
2/2 ME A Section	Faculty In charge:	Dr. P G Rao
	Supporting Faculty:	V Siva Nagireddy
2/2 ME B Section	Faculty In charge:	Dr. P G Rao
	Supporting Faculty:	V Siva Nagireddy
2/2 ME C Section	Faculty In charge:	Dr. Pramod Kumar
	Supporting Faculty:	Dr. T Srihari

Pramod Kumar
Lab In-charge

Head-ME

PRINCIPAL
Aditya College of
Engineering & Technology
SURAMPALEM

ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY
(Permanently Affiliated to JNTUK, Kakinada, Approved by AICTE, New Delhi, Accredited by NAAC-UGC)
Recognized by UGC under Section (2f) and 12(B) of UGC Act 1956
Aditya Nagar, ADB Road, Surampalem-533437
MECHANICAL ENGINEERING DEPARTMENT

Date: 24.09.2021

Circular

All the IV B.Tech I semester students are hereby advised that project titles and abstracts must be submitted to the project committee on or before 30-09-2021.

24/09/'21.
Head-MED

IV A -

IV B

IV C -

PRINCIPAL
Aditya College of
Engineering & Technology
SURAMPALEM

Aditya College of Engineering & Technology

Aditya Nagar, ADB Road, Surampalem – 533437
Department of Mechanical Engineering

Academic Year: 2021-2022

Date: 15.03.2022

Circular

All the IV B. Tech II semester students are hereby informed that, project review-I is going to be held from 24-03-2022 to 26-03-2022. In this regard, a hard copy of abstract and softcopy (PPT) in a prescribed format is to be submitted two days before the scheduled date of review. The students are expected to meet the following requirements.

1. Title & Abstract of Project
2. Literature Review
3. Outline of the Project
4. Cost Estimation of the Project (Working Model)

PRINCIPAL
Aditya College of
Engineering & Technology
SURAMPALEM

15/03/22
Head-ME

ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY

(Permanently Affiliated to JNTUK, Kakinada, Approved by AICTE, New Delhi)
Recognized by UGC Under Section (2f) and 12(B) of UGC Act 1956
Aditya Nagar, ADB Road, Surampalem,533437

Department of Mechanical Engineering

Date: 23.02.2022

Circular

All the staff members are here by informed that the following staff members are allocated as project panel members for internal reviews held in the department.

1. Dr. Danaiah puli – 23/02/'22
2. Dr. T Srihari – T. Srihari
3. Dr. Akilesh Kumar Singh – Akilesh
4. Dr. P Gangadhara rao – Rao

PRINCIPAL
Aditya College of
Engineering & Technology
SURAMPALEM

23/02/'22
Head-ME

Aditya College of Engineering & Technology

Aditya Nagar, ADB Road, Surampalem – 533437

Department of Mechanical Engineering

Academic Year: 2021-2022

Date: 19.04.2022

Circular

All the IV B. Tech II semester students are hereby informed that, project review-II is held from the 1st week of MAY 2022. In this regard, submission of softcopy (PPT) to the PRC two days prior to the scheduled date of review in a prescribed format is mandatory. The students are expected to meet the following requirements.

1. 80% of project completion with rough document is mandatory.
2. Design/ simulations/ calculations/methodology/graphs etc; has to show in PPT on their project.
3. Display of working model.

Note: ***Dress code, Formal shoe, Id card is mandatory for all students, clean shave is mandatory for boys. If anyone violated, disciplinary action should be taken on him/her and cancelled his/her review and treated as absent.***

PRINCIPAL
Aditya College of
Engineering & Technology
SURAMPALEM

19/04/22
Head-ME

ADITYA COLLEGE OF ENGINEERING AND TECHNOLOGY

Surampalem, Andhra Pradesh.

Department of Mechanical Engineering

Date: 23.06.2022

Circular

All the Students of IV B.Tech II Semester, informed that project external viva-voce is going to be held according to the following schedule, in this regard all the students aware of following guide lines.

S. No	Class	Date	Mode of conduct
1.	IV ME-A	24-06-2022	Online
2.	IV ME-B	25-06-2022	Online
3.	IV ME-C	25-06-2022	Online

The guidelines has to follow by the students;

- Hard copy and Soft copy (in Pdf Format) of Documents undersigned by guide and HoD, along with the soft copy of PPT has to submit to the project coordinator as well as to your guide.
- Only white background template is acceptable in PPT.
- Every batch must log in to the online channel in 3 to 5 mins before when the project coordinator announced for calling the respective batches.
- All the students must present in the college at the time of review and must be signed in the nominal sheet, if fail it will treated as absent.

PRINCIPAL
Aditya College of
Engineering & Technology
SURAMPALEM

23/06/22
Head-ME

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

Home
THEORY EXPERTS
View Subject Experts List
MPharm I sem Approved LA
UG APPROVED PROJECT PA
Observers Reg
View Observers List
Logout

The Approved Project Panel for IV B.Tech/B.Pharmacy II semester Regular/Supplementary Examinations June - 2022

The Project Viva - Voce Examination has to be conducted from 11-06-2022 to 02-07-2022

The Project award list should be submitted on 04-07-2022 & 05-07-2022 (without fail)

If any absence of Project Examiner plz immediately forward mail to ce@jntuk.edu.in

CC	COURSE	BRANCH NAME	PROJECT	APPROVED_PANEL
P3	B.Tech	Civil Engineering	Project Work	1. Dr. V.Ravindra Professor Dept of Civil Engg UCEKJNTUK Ph. No-9704700005 2. Smt. S.Shameem Banu Asst. Professor Dept of Civil Engg UCEKJNTUK
P3	B.Tech	Civil Engineering	Project Work	1. Dr. V.Ravindra Professor Dept of Civil Engg UCEKJNTUK Ph. No-9704700005 2. Smt. S.Shameem Banu Asst. Professor Dept of Civil Engg UCEKJNTUK
P3	B.Tech	Computer Science & Engineering	Project Work	Dr. Y. Venkataswarulu Professor M.Tech., Ph.D. BVC College of Engg BVC College of Engg,Palcharla,Rajahmundry 23Yrs 9948388000 dr.yallavenkata@gmail.com
P3	B.Tech	Computer Science & Engineering	Project Work	Dr.Y.Jaya babu Professor M.Tech.,Ph.D. Pragathi Engineering College Pragathi Engineering College,Surampalem 20 Yrs 9948612244 jayababu.y@pragati.ac.in
P3	B.Tech	Electrical & Electronic Engineering	Project Work	1. Sri B. Naresh Assoc. Professor Dept. of EEE UCEK JNTUK Kakinada. Ph.No.9704008555 2. Dr. N. Sumathi Assoc. Professor Dept. of EEE UCEK JNTUK Kakinada. Ph.No.9052611223

PRINCIPAL
Aditya College of Engineering & Technology
SURAMPALEM

P3	B.Tech	Electrical & Electronic Engineering	Project Work	1. Sri B. Naresh Assoc. Professor Dept. of EEE UCEK JNTUK Kakinada. Ph.No.9704008555 2. Dr. N. Sumathi Assoc. Professor Dept. of EEE UCEK JNTUK Kakinada. Ph.No.9052611223
P3	B.Tech	Electronics & Communication Engineering	Project Work	1. Dr. A.Mallikarjuna Prasad Professor Department of ECE UCEKJNTUK M : 9441564840 2. Dr. K.Ramadevi Asst. Professor Department of ECE UCEKJNTUK M : 9440337658 3. Dr. K.Durga Ganga Rao Asst. Professor Department of ECE UCEKJNTUK M : 9390961488
P3	B.Tech	Electronics & Communication Engineering	Project Work	1. Dr. A.Mallikarjuna Prasad Professor Department of ECE UCEKJNTUK M : 9441564840 2. Dr. K.Ramadevi Asst. Professor Department of ECE UCEKJNTUK M : 9440337658 3. Dr. K.Durga Ganga Rao Asst. Professor Department of ECE UCEKJNTUK M : 9390961488
P3	B.Tech	Electronics & Communication Engineering	Project Work	1. Dr. A.Mallikarjuna Prasad Professor Department of ECE UCEKJNTUK M : 9441564840 2. Dr. K.Ramadevi Asst. Professor Department of ECE UCEKJNTUK M : 9440337658 3. Dr. K.Durga Ganga Rao Asst. Professor Department of ECE UCEKJNTUK M : 9390961488
P3	B.Tech	Electronics & Communication Engineering	Project Work	1. Dr. A.Mallikarjuna Prasad Professor Department of ECE UCEKJNTUK M : 9441564840 2. Dr. K.Ramadevi Asst. Professor Department of ECE UCEKJNTUK M : 9440337658 3. Dr. K.Durga Ganga Rao Asst. Professor Department of ECE UCEKJNTUK M : 9390961488
P3	B.Tech	Information Technology	Project Work	Dr. B N Jagadesh Professor Department of CSE M.Tech., Ph.D Srinivasa Institute of Engineering & Technology, Amalapuram Srinivasa Institute of Engineering & Technology, Amalapuram 16 Yrs 9441958969 nagajagadesh@gmail.com
P3	B.Tech	Mechanical Engineering	Project Work	Dr.T.Dharma raju PROFESSOR&PRINCIPAL Ph.D Chaitanya Institute of Science and Technology,S0 22

PRINCIPAL
Aditya College of
Engineering & Technology
SURAMPALEM

				9440116517 dthummala@gmail.com
P3	B.Tech	Mechanical Engineering	Project Work	Sri. M. Madhusudhan Prasad Asst. Professor Dept. of Mech. Engg. UCEK JNTUK Kakinada. Ph.No.9966915354
P3	B.Tech	Mechanical Engineering	Project Work	Smt. B. Lakshmi Manasa Asst. Professor Dept. of Mech. Engg. UCEK JNTUK Kakinada. Ph.No.9848339695
For Queries Please Contact Controller of Examinations or 0884-2300907				

PRINCIPAL
Aditya College of
Engineering & Technology
SURAMPALEM