

DEPARTMENT OF PRODUCTION ENGINEERING

	COURSE PLAN -	- PART I		
Name of the programme and specialization	B.Tech. – Electrical and I	Electronics Engin	eering	
Course Title	ENGINEERING PRACTICE			
Course Code	PRIR11	No. of Credits	02	
Course Code of Pre- requisite subject(s)	¥			
Session	July 2022	Section (if, applicable)	Α	
Name of Faculty	Dr. Matruprasad Rout	Department	Production Engineering	
Official Email	matruprasad@nitt.edu	Telephone No.	9002319685	
Name of Course Coordinator(s) (if, applicable)				
Official E-mail		Telephone No.	V 20 30 20 30	
Course Type (please tick appropriately)	Core course	Elective cou	ırse 🗸 Lab	
	Section of the sectio	La Contraction		
Syllabus (approved in	BoS)			
moulding. Welding: Fabrica Carpentry: Wood to make; Tee Th Fitting: Preparat with the given wo	preparation for Flange and attion of Butt Joint and Fabrical sizing exercise in planning, rough Halving Joint and Dovition of joints, markings, cuttork piece, Dovetail part with torication of Dust Pan and Fal	ation of Lap Joint. marking, sawing, etail Scarf Joint. ing and filling for r he given work pied	chiseling and grooving making; Semi-circle part se.	
COURSE OBJECTIVES		bridgion of Corner	nay.	
 To use hand too and Sheet Metal 	ls and machinery in Carpent		oundry, Fitting shop	
MAPPING OF COs with				
Course Outcomes			Programme Outcomes (PO) (Enter Numbers only)	
 To impart knowledge process for the typic 	on selection of suitable ma al component.	nufacturing	1, 2, 3, 5, 6 and 9	
	methods and types of weldir	ng, welding	1, 2, 4, 7, 8 and 10	
To enable students and Fitting.	to solve practical work relate	d to Carpentry	1, 2, 5, 9, 10 and 11	
7000 - 3000			D	



4. Produce simple engineering products or prototypes.

1, 2, 4, 7, 8 and 10

distribution of the last of th	E OVERVIEW nowledge of contextu	al factors impacting the engineering discip	line
		tic engineering synthesis and design for m	
COURS	E TEACHING AND L	EARNING ACTIVITIES	(Add more rows)
S.No.	Week/Contact Hours	Topic	Mode of Delivery
1	Week 1	Introduction to EP/ Demonstration on Experiment	
		FITTING	
2	Week 2	Rectangle	Practical
3	Week 3	V Joint	Practical
	:0	WELDING	
4	Week 4	Butt Joint	Practical
- 5	Week 5	Lap Joint	Practical
		CARPENTRY	
6	Week 6	T through Half Lap Halving Joint	Practical
7	Week 7	Scarf with Tenon Joint	Practical
		FOUNDRY	
8	Week 8	Flange	Practical
9	Week 9	Hand Wheel	Practical
		SHEET METAL OPERATION	
10	Week 10	Square Tray	Practical
11	Week 11	Dust Pan	Practical
12	Week 12	Viva-voce	



S.No.	Mode of Assessment	Week/Date	Duration	% Weightage
1	Regular Practical Lab	Every Lab Class		70
2	End Examination*	Week 12/13	3 hrs	30

*mandatory; refer to guidelines on page 4

COURSE EXIT SURVEY (mention the ways in which the feedback about the course shall be assessed)

- 1. Feedback from the students during class committee meeting
- 2. End semester feedback on course outcomes

COURSE POLICY (including compensation assessment to be specified)

MODE OF CORRESPONDENCE

Students can contact personally or through email for clarifying doubts.

COMPENSATION ASSESSMENT POLICY

If any student is not able to attend any of the lab session due to genuine reason, student is permitted to attend one compensation lab before end semester exam

ATTENDANCE POLICY (A uniform attendance policy as specified below shall be followed)

- At least 75% attendance in each course is mandatory.
- A maximum of 10% shall be allowed under On Duty (OD) category.
- Students with less than 65% of attendance shall be prevented from writing the final assessment and shall be awarded 'V' grade.

ACADEMIC DISHONESTY & PLAGIARISM

- Possessing a mobile phone, carrying bits of paper, talking to other students, copying from others during an assessment will be treated as punishable dishonesty.
- Zero mark to be awarded for the offenders. For copying from another student, both students get the same penalty of zero mark.
- The departmental disciplinary committee including the course faculty member, PAC chairperson and the HoD, as members shall verify the facts of the malpractice and award the punishment if the student is found guilty. The report shall be submitted to the Academic office.
- The above policy against academic dishonesty shall be applicable for all the programmes.

ADDITIONAL INFORMATION, IF ANY

The faculty is available for consultation at times as per the intimation given by the faculty



FOR APPROVAL	
Many.	
Course Faculty	CC- Chairperson HOD HOD

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Guidelines

- a) The number of assessments for any theory course shall range from 4 to 6.
- b) Every theory course shall have a final assessment on the entire syllabus with at least 30% weightage.
- c) One compensation assessment for absentees in assessments (other than final assessment) is mandatory. Only genuine cases of absence shall be considered.
- d) The passing minimum shall be as per the regulations.

B.Tech. Admitted in			P.G.	
2018	2017	2016	2015	
35% or (Class whichever is g	0.7	(Peak/3) or (Cla whichever is low	9777 (942)	40%

- e) Attendance policy and the policy on academic dishonesty & plagiarism by students are uniform for all the courses.
- f) Absolute grading policy shall be incorporated if the number of students per course is less than 10.
- g) Necessary care shall be taken to ensure that the course plan is reasonable and is objective.