

### DEPARTMENT OF PRODUCTION ENGINEERING

Name of the programme and specialization       B. Tech Electrical and Electronics Engineering, II Semester specialization         Course Title       Engineering Practice         Course Code       PRIR11       No. of Credits       2         Course Code of Prerequisite subject(s)       Section       NA         Session       January 2019       Section (ff, applicable)       NA         Name of Faculty       Dr. P. Senthil Dr. J. Jerald       Department       Production Engineering         Official Email       senthil@nitt.edu jerald@nitt.edu       Telephone No.       3513, 3518         Name of Course       Course Type (please tick appropriately)       -       -         Official Email       -       Telephone No.       -         Official Email       -       -       -         Official Email       -       Telephone No.       -         Course Type (please tick appropriately)       Core course       Elective course       Lab         Syllabus (approved in BoS)       Carpentry       -       -       -         Wood sizing exercise in planning, marking, sawing, chiseling and grooving to make       1. T joint       -       -         2. Tenon joint       -       -       -       -       -         Wood sizing exercise in an mould for the	COURSE PLAN – PART I					
Course Title       Engineering Practice         Course Code       PRIR11       No. of Credits       2         Course Code of Pre- requisite subject(s)       Section       NA         Session       January 2019       Section (if, applicable)       NA         Name of Faculty       Dr. P. Senthil Dr. J. Jerald       Department       Production Engineering         Official Email       senthil@nitt.edu jerald@nitt.edu       Telephone No.       3513, 3518         Name of Course Coordinator(s)       -       -       -         (ff, applicable)       Official Email       -       -         Official Email       -       Telephone No.       -         Course Type (please tock appropriately)       Core course       Elective course       Lab         Syllabus (approved in BoS)       Cargentry       Lab       -         Wood sizing exercise in planning, marking, sawing, chiseling and grooving to make       1.       1 joint         2. Tenon joint       Escretise in arc welding for making       -       -         1. Lap joint       2. But joint       -       -       -         Preparation of sand mould for the following       -       -       -       -         1. Flange       -       -       -       -	Name of the programme and specialization	B.Tech Electrical and Electronics Engineering, II Semester				
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<ul> <li>2. Hand wheel</li> <li>Fitting</li> <li>Preparation of joints, markings, cutting and filling for making <ol> <li>Square Fitting</li> <li>V Fitting</li> </ol> </li> <li>Sheet metal <ol> <li>Square Tray</li> <li>Dust Pan</li> </ol> </li> </ul> <li>COURSE OBJECTIVES</li>	1. Flange					
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<ul> <li>2. V Fitting</li> <li>Sheet metal</li> <li>Making of small parts using sheet metal</li> <li>1. Square Tray</li> <li>2. Dust Pan</li> </ul> COURSE OBJECTIVES	1. Square Fitting					
Sheet metal         Making of small parts using sheet metal         1. Square Tray         2. Dust Pan         COURSE OBJECTIVES	2. V Fitting					
Making of small parts using sheet metal 1. Square Tray 2. Dust Pan COURSE OBJECTIVES	Sheet metal					
1. Square Tray     2. Dust Pan     COURSE OBJECTIVES	Making of small parts us	sing sheet metal				
2. Dust Pan COURSE OBJECTIVES	1. Square Tray					
COURSE OBJECTIVES	2. Dust Pan					
	COURSE OBJECTIVES	<b>)</b>				
Introduction to the use of tools and machinery in Carpentry, Welding, Foundry, Fitting and Sheet						



	COURSE PLAN – PART II						
COURS	SE OVERVIEW Making of Mould using f	oundry te	chnique				
2.	Joining of Metal by weld	ling proce	ess et motal to make so	ma chanac			
COUR	3. Working on wood, metal and sheet metal to make some shapes COURSE TEACHING AND LEARNING ACTIVITIES						
S.No.	Week/Contact Hours		Торіс		Mode	e of Delivery	
1	1st Week	Introduc Experim	tion to EP/ Demons	tration on			
			FITTING	·			
2	2 <sup>nd</sup> Week	Square	Fitting		Practical		
3	3 <sup>rd</sup> Week	V Fitting				Practical	
			WELDING				
4	4 <sup>th</sup> Week	Lap Joir	ıt			Practical	
5	5 <sup>th</sup> Week	Butt Joir	nt			Practical	
			CARPENTRY	·			
6	6 <sup>th</sup> Week	T Joint			Practical		
7	7 <sup>th</sup> Week	Tenon joint				Practical	
	FOUNDRY						
8	8 <sup>th</sup> Week	Flange p	Flange pattern		Practical		
9	9 <sup>th</sup> Week	Hand wh	Hand wheel pattern			Practical	
SHEET METAL OPERATION							
10	10 <sup>th</sup> Week	Square tray		Practical			
11	11 <sup>th</sup> Week	Dust pan			Practical		
12	12 <sup>th</sup> Week	Compensation Lab				Practical	
COURSE ASSESSMENT METHODS (shall range from 4 to 6)							
S.No.	Mode of Assessment Week/Date Durati		Duratio	on	% Weightage		
1	Regular Practical Lab Every Lab class 150 m		150 mir	าร	75%		



				0501
2	End Practical Examination *	End of semester	180 mins	25%
mand	latory; refer to guidelines on pa	ige 4		
COUR	SE EXIT SURVEY (mention the sed)	ways in which the fe	edback about the	e course shall be
Online	Feedback will be collected at the	end of semester		
COUR	SE POLICY (including compensa	tion assessment to b	e specified)	
MODE Studer COMF If any permit	OF CORRESPONDENCE (ema nts can contact in person or throu PENSATION ASSESSMENT POL student is not able to attend any o ted to attend the one compensatio	<b>il/ phone etc)</b> gh email for clarifying <u>.ICY</u> of the lab session due on lab before end ser	doubts. e to genuine reasc mester exam	on, student is
ATTE	NDANCE POLICY (A uniform atte	endance policy as spe	ecified below shal	l be followed)
A	At least 75% attendance in each	course is mandatory	/.	
7	A maximum of 10% shall be allo	wed under On Duty (	OD) category.	
×	Students with less than 65% of assessment and shall be awarded	f attendance shall b ed 'V' grade.	e prevented from	n writing the final
ACAD	EMIC DISHONESTY & PLAGIA	RISM		
A	Possessing a mobile phone, carr others during an assessment wi	rying bits of paper, tal Il be treated as punis	king to other stude hable dishonesty.	ents, copying from
A	Zero mark to be awarded for t students get the same penalty o	the offenders. For co of zero mark.	opying from anot	her student, both
~	The departmental disciplinary chairperson and the HoD, as me the punishment if the student Academic office.	committee including embers shall verify the is found guilty. The	the course facul e facts of the malp e report shall be	ty member, PAC ractice and award submitted to the
A	The above policy against ad programmes.	cademic dishonesty	shall be applic	able for all the
FOR	APPROVAL			
			0	



#### <u>Guidelines</u>

- 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 average/2) w greater.	(Class hichever is	(Peak/3) Average/2) lower	or which	(Class ever is	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.