

DEPARTMENT OF PRODUCTION ENGINEERING
NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI

COURSE PLAN - PART I			
Course Title	Engineering Practice (B.Tech. - II Semester - ECE- Section: B)		
Course Code	PRIR11	No. of Credits	2
Course Code of Pre-requisite subject(s)	-		
Session	July/ Jan. 2018	Section (if, applicable)	B
Name of Faculty	R. Jeyapaul	Department	Production
Email	jeyapaul@nitt.edu	Telephone No.	0431-2503517
Name of Course Coordinator(s) (if, applicable)			
E-mail		Telephone No.	
Course Type	<input checked="" type="checkbox"/> Core course <input type="checkbox"/> Elective course		
Syllabus (approved in BoS)			
<p>Carpentry Wood sizing exercise in planning, marking, sawing, chiseling and grooving to make 1. Half lap joint, 2. Cross lap joint</p> <p>Welding Exercise in arc welding for making 1. Lap joint, 2. Butt joint</p> <p>Foundry Preparation of sand mould for the following 1. Flange, 2. Anvil</p> <p>Fitting Preparation of joints, markings, cutting and filling for making 1. V-joint , 2. T-joint</p> <p>Sheet metal Making of small parts using sheet metal 1. Tray, 2. Funnel</p>			

COURSE OBJECTIVES

Introduction to the use of tools and machinery in Carpentry, Welding, Foundry, Fitting and Sheet Metal Working.

COURSE PLAN - PART II**COURSE OVERVIEW**

1. Making of Mould using foundry technique
2. Joining of Metal by welding process
3. Working on wood, metal and sheet metal to make some shapes

COURSE TEACHING AND LEARNING ACTIVITIES

S.No.	Week	Topic	Mode of Delivery
1.	1st Week	Introduction to EP/ Demonstration on Experiment	
FITTING			
2.	2 nd Week	Rectangle	Practical
3.	3 rd Week	V Joint	Practical
WELDING			
4.	4 th Week	Butt Joint	Practical
5	5 th Week	Lap Joint	Practical
CARPENTRY			
6.	6 th Week	T through Half Lap Halving Joint	Practical
7.	7 th Week	Scarf with Tenon Joint	Practical
FOUNDRY			
8.	8 th Week	Flange	Practical
9.	9 th Week	Hand Wheel	Practical
SHEET METAL OPERATION			
10.	10 th Week	Square Tray	Practical
11.	11 th Week	Dust Pan	Practical

COURSE ASSESSMENT METHODS (shall range from 4 to 6)

S.No.	Mode of Assessment	Week/Date	Duration	% Weightage
1	Regular Practical Lab	Every week	2.5 Hrs	75
2	End Semester Practical Examinations	End of Semester	3 Hrs	25
CPA	Compensation Lab		2.5 Hrs	

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

Course Exit survey will be collected at the end of the semester before the start of semester examination through online. Students can log in their MIS account to give the feedback.

COURSE POLICY (preferred mode of correspondence with students, policy on attendance, compensation assessment, , academic honesty and plagiarism etc.)

MODE OF CORRESPONDENCE (email/ phone etc)

The Course teacher is available for consultation in the department after class hours. Queries may also be emailed to the Course Coordinator directly at jeypaul@nitt.edu

ATTENDANCE

- Attending classes regularly and continuously is required for the students to understand the concepts. A minimum of 75% attendance is mandatory to appear for the final assessment. Otherwise, students have to re-do the course.
- Participation in the discussions is mandatory during the demonstration sessions.
- Strict academic disciplines have to be maintained inside the lab.

COMPENSATION ASSESSMENT

If any student is not able to attend any of the continuous assessments (regular lab work) due to genuine reason, student is permitted to attend **ONE** exercise/experiment as compensation assessment at the end of semester.

ACADEMIC HONESTY & PLAGIARISM

1. All the students are expected to be genuine during the lab work. Taking of information by means of copying simulations, assignments, looking or attempting to look at another student's paper or bringing and using study material in any form for copying during any assessments is considered dishonest.
2. Tendering of information such as giving one's program, simulation work, assignments to another student to use or copy is also considered dishonest.
3. Preventing or hampering other students from pursuing their academic activities are also considered as academic dishonesty.

FOR APPROVAL

Course Faculty 

CC-Chairperson 

HOD 

10/11/18