

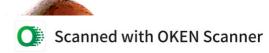
NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI

DEPARTMENT OF PRODUCTION ENGINEERING

	COVI	or I			
Name of the programme and	COURSE PLAN - PART I				
specialization	B. Tech - Civil Engineering				
Course Title	ENGINEERING PRACTICE				
Course Code	PRIR11	No. of Credit	s 02		
Course Code of Pre-requisite subject(s)	-				
Session	1. 0.	Section			
	Jan 2023	(if, applicable	Production Engineering		
Name of Faculty	Dr. Vimal KEK	Department	Production Engineering		
Official Email	vimal@nitt.edu	Telephone No	7708539715		
Name of Course Coordinator(s) (if, applicable)					
Official E-mail		Telephone No.			
Course Type (please tick	Core course 1	Elective course	Lab		
appropriately)			V		
		14. 14. 15.			
Syllabus (approved in BoS)					
 Foundry: Mould preparation for 			oulding / Wax moulding.		
 Welding: Fabrication of Butt J 					
Carpentry: Wood sizing exerc Too Through Halving Joint on	ise in planning, mark	ing, sawing, chi	iseling and grooving to make;		
Tee Through Halving Joint and Dovetail Scarf Joint. • Fitting: Preparation of joints, markings, cutting and filling for making; Semi-circle part with the					
Fitting: Preparation of joints, if given work piece, Dovetail particles.	narkings, cutting and	i filling for mak	ing; semi-circle part with the		
 Sheet metal: Fabrication of Du 					
COURSE OBJECTIVES	ist Fall and Fabrication	on of Corner Tra	ıy.		
To use hand tools and machine	ery in Carpentry wel	ding shop. Foun	dry Fitting shop and Sheet		
Metal work.	ir a curponary, wer	ang shop, roun	dif, i titing shop and blicet		
To manufacture engineering processing p	roducts or p <mark>rototype</mark> s	A			
MAPPING OF COs with POs					
Course Outcomes			gramme Outcomes (PO) er Numbers only)		
To impart knowledge on selection of suitable manufacturing process for the typical component.		uring	3, 5, 6 and 9		
To learn the various methods and t processes, sheet metal.	ypes of welding, wel	ding 1, 2,	4, 7, 8 and 10		
3. To enable students to solve practic and Fitting.	al work related to Ca	rpentry 1, 2,	5, 9, 10 and 11		
4. Produce simple engineering produc	4. Produce simple engineering products or prototypes.		4, 7, 8 and 10		
COURSE PLAN – PART II					
COURSE OVERVIEW					
 Knowledge of contextual factors impacting the engineering discipline. 					

Application of systematic engineering synthesis and design for manuacturing processes.

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COURSE TEACHING AND LEARNING ACTIVITIES			(Add more rows)
S.No.	Week/Contact Hours	Topic	Mode of Delivery (Online)
1	Week 1	Introduction	PPT, chalk board
2	Week 2	Welding	Practical
3	Week 3	Welding	Practical
4	Week 4	Foundry	Practical
5	Week 5	Foundry	Practical
6	Week 6	Carpentry	Practical
7	Week 7	Carpentry	Practical
8	Week 8	Fitting	Practical
9	Week 9	Fitting	Practical
		Quiz Test	
10	Week 10	Sheet Metal	Practical
11	Week 11	Sheet Metal	Practical
12	Week 12	Viva-voce	Practical

COURSE ASSESSMENT METHODS (shall range from 4 to 6)				
S.No.	Mode of Assessment	% Weightage		
1	Continuous Assignment*	70		
2	End Examinations*	30		
* = Exp	erimnet, record, observation, Quiz, #	= Viva		

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)

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.

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

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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.

FOR APPROVAL

CC- Chairperson

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