Course Code	CP407				
Course Title	Process Engineering Research Project I				
No. of Credits	3				
Pre-requisites	None				
Compulsory/Optional	Prior approval of the Head of the Department fo	r the se	lected	study.	
	s with skills required to develop a comprehensiv			-	. This
course serves as a preparatory s	stage for the 8 th semester course, CP411 Process E	Eng. Re	search	Project	t II.
Intended Learning Outcomes	:				
On successful completion of th	e course, the students should be able to				
ILO1: Extract relevant inform	ation from reliable sources and critically analyze	the info	ormati	on gath	ered.
ILO2: Compose a research hy	pothesis/questions, overall aim and specific object	tives.			
ILO3: Design scientific proce composed.	edures to test the research hypotheses or to answ	ver the	resear	ch que	stions
-	nowledge in the methodology developed.				
	gement of time and resources for the successful c	comple	tion of	the res	search
	te the research proposal via verbal and written for	rms.			
		Time Allocation/Hours			
Topics		L	Т	P	Α
Research methodology		04			
Good laboratory practices		04		-	
Design of experiments		03			
• Project formulation Search for, and retrieval of, information required through a literature survey, Identification and optimum utilisation of available resources, Define research problem or develop research hypothesis, Validation of methodology, Technical report writing.				68	
memodology, reennearre	port writing.				
Total equivalent hours		11		34	
Total equivalent hours Recommended Texts: • Wallwork, A., Eng • David, V. T., Rese • Carey, S. S., A Learning, 2011.	lish for Writing Research Papers, (2 Ed), Springer arch Methods for Engineers, (1 Ed), Cambridge U Beginner's Guide to Scientific Method, (4 Ed erg, I., Research Proposals - A guide to success,	r, 2016 Iniversi d), Wa	ity Pre adswor	ss, 2014 th, Ce	ngage
Total equivalent hours Recommended Texts: • Wallwork, A., Eng • David, V. T., Rese • Carey, S. S., A Learning, 2011. • Ogden, T., Goldbe	lish for Writing Research Papers, (2 Ed), Springer arch Methods for Engineers, (1 Ed), Cambridge U Beginner's Guide to Scientific Method, (4 Ed	r, 2016 Iniversi d), Wa (3 Ed)	ity Prendswor ndswor), Acad	ss, 2014 th, Ce	ngage Press-
Total equivalent hoursRecommended Texts:• Wallwork, A., Eng• David, V. T., Rese• Carey, S. S., ALearning, 2011.• Ogden, T., GoldberElsevier, 2002.	lish for Writing Research Papers, (2 Ed), Springer arch Methods for Engineers, (1 Ed), Cambridge U Beginner's Guide to Scientific Method, (4 Ed	r, 2016 Iniversi d), Wa (3 Ed)	ity Prendswor ndswor), Acan	ss, 2014 th, Ce demic	ngage Press-
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