RESEARCH METHODOLOGY & IPR

Course	Code	Category	Ho	ours / \	Neek	Credits C	Maximum Marks		
			L	Т	Р		CIE	SEE	Total
B558	13		2	-	-	2	40	60	100
Pre-requisite	s: None								
	BJECTIVE	'S							
1 To under	stand the re	search problem							
2. To know	w the literature studies, plagiarism and ethics								
3. To get th	he knowledge about technical writing								
4. To analy	ze the natur	e of intellectual propert	ty rights a	and ne	w devel	opments			
5. To know	the patent r	ights							
OURSE OU	TCOMES								
At the end of th	nis course, s	tudents will be able to							
1. Understa	and research problem formulation.								
2. Analyze	research related information								
3. Follow re	esearch ethic	CS av's world is controlled	by Com	outor I	nformati	on Tochnolo	av but to	morroww	orld will
be ruled	by ideas co	ncept and creativity	by Com	Juter, i	mormau		gy, but to		
5. Understa	anding that	when IPR would take	such im	portan	t place	in growth of	individua	ls & nati	on, it is
needless	to emphas	is the need of informa	tion abo	ut Inte	llectual	Property Rig	ht to be p	promoted	among
students	in general &	& engineering in particu	ılar.						
6. Understa	and that IPF	R protection provides	an ince	entive	to inver	ntors for fur	ther rese	arch woi	rk and
economi	ent in R & I	J, which leads to creat d social benefits	ation of	new a	nd bette	er products,	and in tu	rn brings	about,
UNIT - I	Research Problem Formation					CLASSES: 09			
leaning of re	search prob	olem, Sources of rese	arch pro	blem,	Criteria	Characteris	tics of a	good res	earch
roblem, Error	s in selecting	g a research problem, S	Scope a	nd obje	ectives o	f research pi	roblem.		-4:
Approacnes of Jecessary inst	Investigation	on of solutions for re	searcn	problei	m, data	collection,	anaiysis,	Interpret	ation,
UNIT - II	Research Ethics						CLASSES: 09		
Effective literat	ure studies a	approaches, analysis,	Plagiaris	m, Res	search e	thics			
	Paper Writing						CLASSES: 09		
	-	iting						1	
		iting							
Effective techn roposal, a pre	ical writing, esentation ar	how to write report, P nd assessment by a re	aper De view con	velopir nmittee	ng a Res	search Propo	osal, Forn	hat of res	earch
Effective techn roposal, a pre	ical writing, esentation an	iting how to write report, P nd assessment by a re	aper De view con	velopir nmittee	ng a Res e	search Propo	osal, Forn	nat of res	earch

UNIT - V Patent Rights

Patent Rights: Scope of Patent Rights. Licensing and transfer of technology. Patent information and databases. Geographical Indications. New Developments in IPR: Administration of Patent System. New developments in IPR; IPR of Biological Systems, Computer Software etc. Traditional knowledge Case Studies, IPR and IITs.

TEXT BOOKS

- 1. Stuart Melville and Wayne Goddard, "Research methodology: an introduction for science & engineering students"
- 2. C.R. Kothari, Research Methodology, methods & techniques, 2nd edition, New ageInternational publishers

REFERENCE BOOKS

- 1. Ranjit Kumar, 2nd Edition, "Research Methodology: A Step by Step Guide for beginners"
- 2. Halbert, "Resisting Intellectual Property", Taylor & Francis Ltd ,2007.
- 3. Mayall, "Industrial Design", McGraw Hill, 1992.
- 4. Niebel, "Product Design", McGraw Hill, 1974.
- 5. Asimov, "Introduction to Design", Prentice Hall, 1962.
- 6. Robert P. Merges, Peter S. Menell, Mark A. Lemley, "Intellectual Property in New TechnologicalAge", 2016.
- 7. T. Ramappa, "Intellectual Property Rights Under WTO", S. Chand, 2008