## 20HS5103 - ENGINEERING ECONOMICS AND MANAGEMENT

Course Category:	Humanities and Social Sciences							Credits:						2	
Course Type:	Theory							Lecture-Tutorial-Practice:						2-0-0	
Prerequisite	-							Continuous Evaluation:						30	
s:	Semester End Ev								l Eva	luati	on:	70			
Course	Unor	1 51100	reccfi	ıl con	nnleti	ion of				rks:		ill be	able 1	100	
Outcomes	Upon successful completion of the course, the student will be able to:  CO Understand various forms of organizations and principles of														
	1	CO Understand the various aspects of business economics.													
	2	O Perceive the knowledge on Human resources and Marketing functions													
	CO 3														
	CO 4	O Evaluate various alternatives economically.													
Contribution of Course		P	P O	P	P	P	PO 6	P	P	P	P	P O	PO 12	P S	PS
Outcomes		1	2	3	4	O 5	0	О	O 8	O 9	10	11	12	0	O 2
towards								7						1	
achievemen t of	CO 1	3											3		3
Program	CO	3				3							3		3
Outcomes (1-Low,	2 CO														
2-Medium,	3	3											3		3
3- High)	CO					3									
	4	3											3		3
Course Content	Partn Man Prince UNI' Intro Utilit Marg Dem Influe Dema Elast Supp Supp UNI' Hum	ns of agentiples of II: oducted and and and aly, Solly, So	p, Joinent: of So ion nalysi Utility Ana g Do Elast upply : Resou	Introcential Internation Introcential	conce Conce Groduce fic M conce Group I argin work of I of I of I conce Group I conce	Comption anage mics: nal U Equineory Demai Demai	nedule	o-op Ianag , Mo oduct and nal U Den hedu lastic and	eratii geme dern tion Tota Jtilit nand ile a Sur	to Early Ut	Basic ility, Dema elastic	Econ Law d Fu and c De	Public of Manage nomic of Eurotion Curve mand, ectors	Concomment.  Concomment.  Concomment.  Concomment.  Type  Influer  Person	cepts, shing actors ft in es of neing onnel
		<b>Human Resource Management:</b> Meaning and difference between Personnel Management and Human Resource Management, Functions of Human													

	Resource Management.  Marketing Management: Concept of Selling And Marketing – Differences, Functions of Marketing, Product Life Cycle, Concept of Advertising, Sales Promotion, Types of Distribution Channels, Marketing Research, Break-Even Analysis
	UNIT IV: Financial Management: Functions of Financial Management, Time value of money with cash flow diagrams, Concept of Simple and Compound Interest.  Depreciation: Causes of depreciation, Factors influencing depreciation, common methods of Depreciation: Straight Line Method, Declining Balance Method, Sum of Year's Digits Method—Problems.  Economic Alternatives: Methods of Evaluating Alternatives under Present worth method, Future worth method, Annual Equivalent method - Problems.
Text books and Reference books	Text Book(s):  [1] M. MahajanIndustrial Engineering and Production Management Dhanpat Rai Publications2 <sup>nd</sup> Edition.  [2] Martand Telsang" Industrial & Business Management" S.Chand publications  Reference Books:  [1] R.Paneerselvam "Production and Operations Management" PHI [2]Philip Kotler & Gary Armstrong "Principles of Marketing" ,pearson prentice Hall,New Delhi,2012 Edition.  [3] IM Pandey, "Financial Management" Vikas Publications 11 <sup>th</sup> Edition
	[4] B.B Mahapatro, "Human Resource Management"., New Age International ,2011
E-resources and other digital material	[1]https://www.toppr.com/guides/fundamentals-of-economics-and-management/supply/supply-function/ [2]https://keydifferences.com/difference-between-personnel-management-

and-human-resource-management.html [3] http://productlifecyclestages.com/

[4] https://speechfoodie.com/cash-flow-diagrams/