

UTKAL GOURAV MADHUSUDAN INSTITUTE OF TECHNOLOGY, RAYAGADA
Department of Electrical engineering

Academic Lesson Plan for 5th Semester – 2023-24 (Winter)

Subject: ENTREPRENEURSHIP and MANAGEMENT & SMART TECHNOLOGY
(Th.1)

Name of the teaching faculty- Sarita Bauri & Umesh Chandra Sethi , PTGF(ELECTRICAL ENGG.)

SEMESTER FROM DATE:01/08/2023 TO DATE:30/11/2023	No. of periods per week: 4 NO.OF WEEKS:15 Total periods: 60	Internal Exam. : 20 Marks End Semester Exam.: 80 Marks Total Marks: 100 Marks
---	--	--

WEEK	CLASS DAY	CHAPATER	THEORY/PRACTICAL TOPICS	REMARK
1ST	1ST	Entrepreneurs hip	Concept /Meaning of Entrepreneurship	
	2ND	Entrepreneurs hip	Need of Entrepreneurship	
	3RD	Entrepreneurs hip	Characteristics, Qualities and Types of entrepreneur, Functions	
	4TH	Entrepreneurs hip	Barriers in entrepreneurship	
2ND	1ST	Entrepreneurs hip	Entrepreneurs' vs. Manager	
	2ND	Entrepreneurs hip	Forms of Business Ownership: Sole proprietorship, partnership forms and others	
	3RD	Entrepreneurs hip	Types of Industries, Concept of Start-ups	
	4TH	Entrepreneurs hip	Entrepreneurial support agencies at National, State, District Level(Sources):DIC, NSIC,OSIC, SIDBI, NABA	
3RD	1ST	Entrepreneurs hip	Technology Business Incubators (TBI) and Science and Technology Entrepreneur Parks	
	2ND	Market Survey and Opportunity Identification (Business Planning)	Business Planning	
	3RD	Market Survey and Opportunity Identification (Business Planning)	SSI, Ancillary Units, Tiny Units, Service sector Units	
	4TH	Market Survey and Opportunity Identification (Business Planning)	Time schedule Plan, Agencies to be contacted for Project Implementation	

4TH	1ST	Market Survey and Opportunity Identification (Business Planning)	Assessment of Demand and supply and Potential areas of Growth	
	2ND	Market Survey and Opportunity Identification (Business Planning)	Identifying Business Opportunity	
	3RD	Market Survey and Opportunity Identification (Business Planning)	Final Product selection	
	4TH	Market Survey and Opportunity Identification (Business Planning)	Final Product selection	
5TH	1ST	Market Survey and Opportunity Identification (Business Planning)	Final Product selection	
	2ND	Project report Preparation	Preliminary project report	
	3RD	Project report Preparation	Detailed project report, Techno economic Feasibility	
	4TH	Project report Preparation	Project Viability	
6TH	1ST	Project report Preparation	Project Viability	
	2ND	Management Principles	Definitions of management	
	3RD	Management Principles	Principles of management	
	4TH	Management Principles	Functions of management (planning, organising, staffing, directing and controlling etc.)	
7TH	1ST	Management Principles	Level of Management in an Organisation	
	2ND	Functional Areas of Management	Production management Functions, Activities Productivity Quality control	
	3RD	Functional Areas of	Production Planning and control Inventory Management	

		Management	Need for Inventory management Models/Techniques of Inventory management	
	4TH	Functional Areas of Management	Financial Management Functions of Financial management	
8TH	1ST	Functional Areas of Management	Management of Working capital Costing (only concept) Break even Analysis	
	2ND	Functional Areas of Management	Brief idea about Accounting Terminologies: Book Keeping, Journal entry, Petty Cash book, P&L Accounts, Balance Sheets(only Concepts) Marketing Management	
	3RD	Functional Areas of Management	Concept of Marketing and Marketing Management	
	4TH	Functional Areas of Management	Marketing Techniques (only concepts)	
9TH	1ST	Functional Areas of Management	Concept of 4P s (Price, Place, Product, Promotion)	
	2ND	Functional Areas of Management	Human Resource Management Functions of Personnel Management	
	3RD	Functional Areas of Management	Manpower Planning, Recruitment, Sources of manpower, Selection process, Method of Testing, Methods of Training & Development, Payment of Wages	
	4TH	Leadership and Motivation	Leadership <ul style="list-style-type: none"> • Definition and Need/Importance • Qualities and functions of a leader 	
10TH	1ST	Leadership and Motivation	Manager Vs Leader <ul style="list-style-type: none"> • Style of Leadership (Autocratic, Democratic, Participative) 	
	2ND	Leadership and Motivation	Motivation <ul style="list-style-type: none"> • Definition and characteristics 	
	3RD	Leadership and Motivation	Importance of motivation <ul style="list-style-type: none"> • Factors affecting motivation • Theories of motivation (Maslow) 	
	4TH	Leadership and Motivation	<ul style="list-style-type: none"> • Methods of Improving Motivation • Importance of Communication in Business 	
11TH	1ST	Leadership and Motivation	Types and Barriers of Communication	
	2ND	Work Culture, TQM & Safety	Types and Barriers of Communication	
	3RD	Work Culture, TQM & Safety	Relations with Peers, Superiors and Subordinates	
	4TH	Work Culture, TQM & Safety	TQM concepts: Quality Policy, Quality Management, Quality system	
12TH	1ST	Work Culture,	Accidents and Safety, Cause, preventive measures,	

		TQM & Safety	General Safety Rules , Personal Protection Equipment(PPE)	
	2ND	Work Culture, TQM & Safety	Accidents and Safety, Cause, preventive measures, General Safety Rules , Personal Protection Equipment(PPE)	
	3RD	Work Culture, TQM & Safety	Accidents and Safety, Cause, preventive measures, General Safety Rules , Personal Protection Equipment(PPE)	
	4TH	Legislation	Intellectual Property Rights(IPR), Patents, Trademarks, Copyrights	
13TH	1ST	Legislation	Intellectual Property Rights(IPR), Patents, Trademarks, Copyrights	
	2ND	Legislation	Features of Factories Act 1948 with Amendment (only salient points)	
	3RD	Legislation	Features of Factories Act 1948 with Amendment (only salient points)	
	4TH	Legislation	Features of Payment of Wages Act 1936 (only salient points)	
14TH	1ST	Legislation	Features of Payment of Wages Act 1936 (only salient points)	
	2ND	Smart Technology	Concept of IOT, How IOT works	
	3RD	Smart Technology	Concept of IOT, How IOT works	
	4TH	Smart Technology	Components of IOT, Characteristics of IOT, Categories of IOT	
15TH	1ST	Smart Technology	Components of IOT, Characteristics of IOT, Categories of IOT	
	2ND	Smart Technology	Applications of IOT- Smart Cities, Smart Transportation, Smart Home, Smart Healthcare, Smart Industry, Smart Agriculture, Smart Energy Management etc.	
	3RD	Smart Technology	Applications of IOT- Smart Cities, Smart Transportation, Smart Home, Smart Healthcare, Smart Industry, Smart Agriculture, Smart Energy Management etc.	
	4TH	Smart Technology	Applications of IOT- Smart Cities, Smart Transportation, Smart Home, Smart Healthcare, Smart Industry, Smart Agriculture, Smart Energy Management etc.	