



# GANDHI SCHOOL OF ENGINEERING

BHABANDHA, BERHAMPUR

BRANCH- CIVIL ENGINEERING

SEMESTER- 5th

SUBJECT- Th1. ENTREPRENEURSHIP and MANAGEMENT & SMART TECHNOLOGY

NAME OF THE FACULTY- ER.MAMINI GOUDA


Topic to be taken								
Sl. No	Topic/ Module	No. of period	Details of the topics	Date	Topic No.	Topic Name	Date	Remarks
1	Entrepreneurship	10	1.1 Concept /Meaning of Entrepreneurship 1.2 Need of Entrepreneurship 1.3 Characteristics, Qualities and Types of entrepreneur, Functions 1.4 Barriers in entrepreneurship 1.5 Entrepreneurs vrs. Manager 1.6 Forms of Business Ownership: Sole proprietorship, partnership forms and others 1.7 Types of Industries, Concept of Start-ups 1.8 Entrepreneurial support agencies at National, State, District Level( Sources): DIC, NSIC,OSIC, SIDBI, NABARD, Commercial Banks, KVIC etc. 1.9 Technology Business Incubators (TBI) and Science and Technology Entrepreneur Parks	15.09.2022 07.10.2022	1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9	Concept /Meaning of Entrepreneurship Need of Entrepreneurship Characteristics, Qualities and Types of entrepreneur, Functions Barriers in entrepreneurship Entrepreneurs vrs. Manager Forms of Business Ownership: Sole proprietorship, partnership forms and others Types of Industries, Concept of Start-ups Entrepreneurial support agencies at National, State, District Level( Sources): DIC, NSIC,OSIC, SIDBI, NABARD, Commercial Banks, KVIC etc. Technology Business Incubators (TBI) and Science and Technology Entrepreneur Parks	02.08.2023 03.08.2023 04.08.2023 07.08.2023 09.08.2023 10.08.2023 11.08.2023 16.08.2023	

2	Market Survey and Opportunity Identification(Business Planning)	8	2.1 Business Planning	<b>10.10.2022</b> <b>18.10.2022</b>	2.1 Business Planning	17.08.2023	
			2.2 SSI, Ancillary Units, Tiny Units, Service sector Units		2.2 SSI, Ancillary Units, Tiny Units, Service sector Units	18.08.2023	
			2.3 Time schedule Plan, Agencies to be contacted for Project Implementation		2.3 Time schedule Plan, Agencies to be contacted for Project Implementation	21.08.2023	
			2.4 Assessment of Demand and supply and Potential areas of Growth		2.4 Assessment of Demand and supply and Potential areas of Growth	23.08.2023	
			2.5 Identifying Business Opportunity		2.5 Identifying Business Opportunity	24.08.2023	
			2.6 Final Product selection		2.6 Final Product selection	25.08.2023	
3	Project report Preparation	4	3.1 Preliminary project report	<b>19.10.2022</b> <b>22.10.2022</b>	3.1 Preliminary project report	31.08.2023	
			3.2 Detailed project report, Techno economic Feasibility		3.2 Detailed project report, Techno economic Feasibility	01.09.2023	
			3.4 Project Viability		3.3 Techno economic Feasibility	04.09.2023	
					3.4 Project Viability	07.09.2023	
4	Management Principles	5	4.1 Definitions of management	<b>23.10.2022</b> <b>29.10.2022</b>	4.1 Definitions of management	08.09.2023	
			4.2 Principles of management		4.2 Principles of management	11.09.2023	
			4.3 Functions of management (planning, organising, staffing, directing and controlling etc.)		4.3 Functions of management (planning, organising, staffing, directing and controlling etc.)	13.09.2023	
			4.4 Level of Management in an Organisation		4.4 Level of Management in an Organisation	14.09.2023	

5	Functional Areas of Management	10	5.1 Production management	31.10.2022 - 11.11.2022	5.1 Production management	15.09.2023	
			<ul style="list-style-type: none"> <li>• Functions, Activities</li> <li>• Productivity</li> <li>• Quality control</li> <li>• Production Planning and control</li> </ul>		<ul style="list-style-type: none"> <li>• Functions, Activities</li> <li>• Productivity</li> <li>• Quality control</li> <li>• Production Planning and control</li> </ul>	21.09.2023	
			5.2 Inventory Management		5.2 Inventory Management	22.09.2023	
			<ul style="list-style-type: none"> <li>• Need for Inventory management</li> <li>• Models/Techniques of Inventory management</li> </ul>		<ul style="list-style-type: none"> <li>• Need for Inventory management</li> <li>• Models/Techniques of Inventory management</li> </ul>	25.09.2023	
			5.3 Financial Management		5.3 Financial Management	27.09.2023	
<ul style="list-style-type: none"> <li>• Functions of Financial management</li> <li>• Management of Working capital</li> <li>• Costing (only concept)</li> <li>• Break even Analysis</li> <li>• Brief idea about Accounting Terminologies: Book Keeping, Journal entry, Petty Cash book, P&amp;L Accounts, Balance Sheets(only Concepts)</li> </ul>	<ul style="list-style-type: none"> <li>• Functions of Financial management</li> <li>• Management of Working capital</li> <li>• Costing (only concept)</li> <li>• Break even Analysis</li> <li>• Brief idea about Accounting Terminologies: Book Keeping, Journal entry, Petty Cash book, P&amp;L Accounts, Balance Sheets(only Concepts)</li> </ul>	29.09.2023					
5.4 Marketing Management	5.4 Marketing Management	04.10.2023					
<ul style="list-style-type: none"> <li>• Concept of Marketing and Marketing Management</li> <li>• Marketing Techniques (only concepts)</li> <li>• Concept of 4P s (Price, Place, Product, Promotion)</li> </ul>	<ul style="list-style-type: none"> <li>• Concept of Marketing and Marketing Management</li> <li>• Marketing Techniques (only concepts)</li> <li>• Concept of 4P s (Price, Place, Product, Promotion)</li> </ul>	05.10.2023					
5.5 Human Resource Management	5.5 Human Resource Management	06.10.2023					
<ul style="list-style-type: none"> <li>• Functions of Personnel Management</li> <li>• Manpower Planning, Recruitment, Sources of manpower, Selection process, Method of</li> </ul>	<ul style="list-style-type: none"> <li>• Functions of Personnel Management</li> </ul>						

6	Leadership and Motivation	6	<p>6.1 Leadership</p> <ul style="list-style-type: none"> <li>• Definition and Need/Importance</li> <li>• Qualities and functions of a leader</li> <li>• Manager Vs Leader</li> <li>• Style of Leadership (Autocratic, Democratic, Participative)</li> </ul> <p>6.2 Motivation</p> <ul style="list-style-type: none"> <li>• Definition and characteristics</li> <li>• Importance of motivation</li> <li>• Factors affecting motivation</li> <li>• Theories of motivation (Maslow)</li> <li>• Methods of Improving Motivation</li> <li>• Importance of Communication in Business</li> <li>• Types and Barriers of Communication</li> </ul>	14.11.2022 21.11.2022	<p>Leadership</p> <ul style="list-style-type: none"> <li>• Definition and Need/Importance</li> <li>• Qualities and functions of a leader</li> <li>• Manager Vs Leader</li> <li>• Style of Leadership (Autocratic, Democratic, Participative)</li> </ul> <p>Motivation</p> <ul style="list-style-type: none"> <li>• Definition and characteristics</li> <li>• Importance of motivation</li> <li>• Factors affecting motivation</li> <li>• Theories of motivation (Maslow)</li> <li>• Methods of Improving Motivation</li> <li>• Importance of Communication in Business</li> <li>• Types and Barriers of Communication</li> </ul>	10.12.2022 12.12.2022 13.12.2022  17.12.2022 20.12.2022 02.01.2023	
7	Work Culture, TQM & Safety	5	<p>7.1 Human relationship and Performance in Organization</p> <p>7.2 Relations with Peers, Superiors and Subordinates</p> <p>7.3 TQM concepts: Quality Policy, Quality Management, Quality system</p> <p>7.4 Accidents and Safety, Cause, preventive measures, General Safety Rules , Personal Protection Equipment(PPE)</p>	22.11.2022 26.11.2022	<p>7.1 Human relationship and Performance in Organization</p> <p>7.2 Relations with Peers, Superiors and Subordinates</p> <p>7.3 TQM concepts: Quality Policy, Quality Management, Quality system</p> <p>7.4 Accidents and Safety, Cause, preventive measures, General Safety Rules , Personal Protection Equipment(PPE)</p>	03.01.2023 04.01.2023 07.01.2023	
8	Legislation	6	<p>8.1 Intellectual Property Rights(IPR), Patents, Trademarks, Copyrights</p> <p>8.2 Features of Factories Act 1948 with Amendment (only salient points)</p> <p>8.3 Features of Payment of Wages Act 1936 (only salient points)</p>	28.11.2022 03.12.2022	<p>8.1 Intellectual Property Rights(IPR), Patents, Trademarks, Copyrights</p> <p>8.2 Features of Factories Act 1948 with Amendment (only salient points)</p> <p>8.3 Features of Payment of Wages Act 1936 (only salient points)</p>		

9	Smart Technology	6	<p>9.1 Concept of IOT, How IOT works</p> <p>9.2 Components of IOT, Characteristics of IOT, Categories of IOT</p> <p>9.3 Applications of IOT- Smart Cities, Smart Transportation, Smart Home, Smart Healthcare, Smart Industry, Smart Agriculture, Smart Energy Management etc.</p>	<p>05.12.2022 -</p> <p>10.12.2022</p>	<p>9.1 Concept of IOT, How IOT works</p> <p>9.1 Components of IOT, Characteristics of IOT,</p> <p>9.2 Categories of IOT</p> <p>9.3 Applications of IOT- Smart Cities, Smart Transportation, Smart Home, Smart Healthcare, Smart Industry, Smart Agriculture, Smart Energy Management etc.</p>		
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