



## GANDHI SCHOOL OF ENGINEERING

### BHABANDHA, BERHAMPUR

BRANCH-ELECTRICAL ENGINEERING								
SEMESTER :5 <sup>TH</sup>								
SUBJECT: ENTREPRENEURSHIP and MANAGEMENT & SMART TECHNOLOGY (TH-1)								
GROUP- 1&2								
Name of the Faculty – ER.SUSRI K.DAMINI &ER .MAMINI GAUDA								
SL NO	CHAPTER NAME	No. of Periods assigned by SCTE & VT	Topics to be taken	PLANNED DATE	Topic No.	Actually taken	ACTUAL DATE	Remarks
1.	Entrepreneurship	10	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	08.08.2023 TO 19.08.2023		<ul style="list-style-type: none"> <li>• Concept /Meaning of Entrepreneurship</li> <li>• Need of Entrepreneurship</li> <li>• Characteristics, Qualities and Types of entrepreneur, Functions</li> <li>• Barriers in entrepreneurship</li> <li>• Entrepreneurs vrs. Manager</li> <li>• Forms of Business Ownership: Sole proprietorship, partnership forms and others</li> <li>• Types of Industries, Concept of Start- ups</li> <li>• Entrepreneurial support agencies at National, State, District Level( Sources):</li> <li>• DIC, NSIC,OSIC, SIDBI, NABARD, Commercial Banks, KVIC etc.</li> <li>• Technology Business Incubators (TBI)</li> <li>• and Science and Technology</li> </ul>	08.08.2023 09.08.2023 10.08.2023 11.08.2023 12.08.2023 14.08.2023 16.08.2023 17.08.2023 18.08.2023 19.08.2023	

			Entrepreneur Parks			• Entrepreneur Parks		
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2.	<b>Market Survey and Opportunity Identification (Business Planning)</b>	8	<p>Business Planning</p> <p>SSI, Ancillary Units, Tiny Units, Service sector Units</p> <p>Time schedule Plan, Agencies to be contacted for Project Implementation Assessment of Demand and supply and Potential areas of Growth Identifying Business Opportunity Final Product selection</p>	21.08.2023 TO 29.08.2023	<p>Business Planning</p> <ul style="list-style-type: none"> <li>SSI, Ancillary Units, Tiny Units, Service sector Units</li> <li>Time schedule Plan, Agencies to be contacted for Project Implementation</li> <li>Assessment of Demand and supply</li> <li>and Potential areas of Growth</li> <li>Identifying Business Opportunity</li> <li>Final Product selection</li> </ul>	21.08.2023 22.08.2023 23.08.2023 24.08.2023 25.08.2023 26.08.2023 28.08.2023 29.08.2023	
3.	<b>Project report Preparation</b>	4	<p>Preliminary project report</p> <p>Detailed project report, Techno economic Feasibility</p> <p>Project Viability</p>	31.08.2023 TO 07.09.2023	<ul style="list-style-type: none"> <li>Preliminary project report</li> <li>Detailed project report, Techno economic Feasibility</li> <li>Project Viability</li> </ul>	31.08.2023 01.09.2023 04.09.2023 07.09.2023	
4.	<b>Management Principles</b>	5	<p>Definitions of management</p> <p>Principles of management</p> <p>Functions of management (planning, organising, staffing, directing and controlling etc.)</p> <p>Level of Management in an Organisation</p>	11.09.2023 TO 15.09.2023	<ul style="list-style-type: none"> <li>Definitions of management</li> <li>Principles of management</li> <li>Functions of management (planning, organising, staffing, directing and controlling etc.)</li> <li>Level of Management in an Organisation</li> </ul>	11.09.2023 12.09.2023 13.09.2023 14.09.2023 15.09.2023	

5.	Functional Areas of Management	10	<p>a) Production management Functions, Activities Productivity</p> <p>Quality control Production Planning and control</p> <p>b) Inventory Management Need for Inventory management Models/Techniques of Inventory management</p> <p>c) Financial Management Functions of Financial management Management of Working capital Costing (only concept) Break even Analysis Brief idea about Accounting Terminologies: Book Keeping, Journal entry, Petty Cash book, P&amp;L Accounts, Balance Sheets(only Concepts)</p> <p>d) Marketing Management Concept of Marketing and Marketing Management Marketing Techniques (only concepts) Concept of 4P s (Price, Place, Product, Promotion)</p> <p>e) Human Resource Management Functions of Personnel Management Manpower Planning, Recruitment, Sources of manpower, Selection process, Method of Testing, Methods of Training &amp; Development, Payment of Wages</p>	16.09.2023 TO 31.09.2023	<ul style="list-style-type: none"> <li>• Production management</li> <li>• Functions, Activities</li> <li>• Productivity</li> <li>• Quality control</li> <li>• Production Planning and control</li> <li>• b) Inventory Management</li> <li>• Need for Inventory management</li> <li>• Models/Techniques of Inventory management</li> <li>• c) Financial Management</li> <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> <li>• d) Marketing Management</li> <li>• Concept of Marketing and Marketing Management</li> <li>• Marketing Techniques (only concepts)</li> <li>• Concept of 4P s (Price, Place, Product, Promotion)</li> <li>• e) Human Resource Management</li> <li>• Functions of Personnel Management</li> <li>• Manpower Planning, Recruitment, Sources of manpower, Selection process, Method of Testing, Methods of Training &amp; Development, Payment of Wages</li> </ul>	16.09.2023 21.09.2023 22.09.2023 23.09.2023 25.09.2023 26.09.2023 27.09.2023 29.09.2023 30.09.2023 31.09.2023	
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6.	Leadership and Motivation	6	<p>a) Leadership</p> <p>Definition and Need/Importance</p> <p>Qualities and functions of a leader</p> <p>Manager Vs Leader</p> <p>Style of Leadership (Autocratic, Democratic, Participative)</p> <p>b) Motivation</p> <p>Definition and characteristics</p> <p>Importance of motivation</p> <p>Factors affecting motivation</p> <p>Theories of motivation (Maslow)</p> <p>Methods of Improving Motivation</p> <p>Importance of Communication in Business</p> <p>Types and Barriers of Communication</p>	03.10.2023 TO 10.10.2023		<ul style="list-style-type: none"> <li>a) Leadership</li> <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> <li>b) Motivation</li> <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>	03.10.2023 04.10.2023 06.10.2023 07.10.2023 09.10.2023 10.10.2023	
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7.	Work Culture, TQM & Safety	5	Human relationship and Performance in Organization Relations with Peers, Superiors and Subordinates TQM concepts: Quality Policy, Quality Management, Quality system Accidents and Safety, Cause, preventive measures, General Safety Rules , Personal Protection Equipment(PPE)	11.10.2023 TO 16.10.2023		<ul style="list-style-type: none"> <li>• Human relationship and Performance in Organization</li> <li>• Relations with Peers, Superiors and Subordinates</li> <li>• TQM concepts: Quality Policy, Quality Management, Quality system</li> <li>• Accidents and Safety, Cause, preventive measures, General Safety Rules , Personal Protection Equipment(PPE)</li> </ul>	11.10.2023 12.10.2023 13.10.2023 14.10.2023 16.10.2023	
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8.	Legislation	4	a) Intellectual Property Rights(IPR), Patents, Trademarks, Copyrights b) Features of Factories Act 1948 with Amendment (only salient points) c) Features of Payment of Wages Act 1936 (only salient points)	17.10.2023 TO 18.10.2023	a) Intellectual Property Rights(IPR), Patents, Trademarks, Copyrights b) Features of Factories Act 1948 with Amendment (only salient points) c) Features of Payment of Wages Act 1936 (only salient points)	17.10.2023 18.10.2023 17.10.2023 18.10.2023	
9	Smart Technology	4	Concept of IOT, How IOT works  Components of IOT, Characteristics of IOT, Categories of IOT Applications of IOT- Smart Cities, Smart Transportation, Smart Home, Smart Healthcare, Smart Industry, Smart Agriculture, Smart Energy Management etc.	02.11.2023 TO 08.11.2023	Concept of IOT, How IOT works  Components of IOT, Characteristics of IOT, Categories of IOT Applications of IOT- Smart Cities, Smart Transportation, Smart Home, Smart Healthcare, Smart Industry, Smart Agriculture, Smart Energy Management etc.	02.11.2023 03.11.2023 04.11.2023 06.11.2023 07.11.2023 08.11.2023	

  
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