



**GANDHI SCHOOL OF ENGINEERING
BHABANDHA, BERHAMPUR
SESSION PLAN**

5TH SEMESTER, BRANCH-MECHANICAL(GROUP 1)

ENTREPRENEURSHIP and MANAGEMENT & SMART TECHNOLOGY(TH-1)

Name of the Faculty – PROF. LAKSHMI NARAYANA PANDA						
Topics to be taken				Actually taken		
SL NO & CHAPTER	No. of Periods assigned by SCTE & VT	Details of the topics	PLANNED DATE	Details of the topics	ACTUAL DATE	Remarks
1. Entrepreneurship	10	<ul style="list-style-type: none"> ☐ 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 	2.08.2023 TO 16.08.2023	<ul style="list-style-type: none"> ☐ 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 	2.08.2023 2.08.2023 4.08.2023 5.08.2023 9.08.2023 9.08.2023 11.08.2023 12.08.2023 16.08.2023 16.08.2023	

2. Market Survey and Opportunity Identification (Business Planning)	8	<ul style="list-style-type: none"> ☐ Business Planning ☐ SSI, Ancillary Units, Tiny Units, Service sector Units ☐ 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 	18.08.2023 TO 2.09.2023	<ul style="list-style-type: none"> ☐ Business Planning ☐ SSI, Ancillary Units, Tiny Units, Service sector Units ☐ 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 	18.08.2023 19.08.2023 23.08.2023 23.08.2023 25.08.2023 26.08.2023 1.09.2023 2.09.2023	
3. Project report Preparation	4	<ul style="list-style-type: none"> ☐ Preliminary project report ☐ Detailed project report, Techno economic Feasibility ☐ Project Viability 	8.09.2023 TO 13.09.2023	<ul style="list-style-type: none"> ☐ Preliminary project report ☐ Detailed project report, Techno economic Feasibility ☐ Project Viability 	8.09.2023 9.09.2023 13.09.2023 13.09.2023	
4. Management Principles	5	<ul style="list-style-type: none"> ☐ Definitions of management ☐ Principles of management ☐ Functions of management (planning, organising, staffing, directing and controlling etc.) ☐ Level of Management in an Organisation 	15.09.2023 TO 27.09.2023	<ul style="list-style-type: none"> ☐ Definitions of management ☐ Principles of management ☐ Functions of management (planning, organising, staffing, directing and controlling etc.) ☐ Level of Management in an Organisation 	15.09.2023 16.09.2023 22.09.2023 23.09.2023 27.09.2023	

5. Functional Areas of Management	10	a) Production management ☐ Functions, Activities ☐ Productivity ☐ Quality control ☐ Production Planning and control b) Inventory Management ☐ Need for Inventory management ☐ Models/Techniques of Inventory management 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&L Accounts, Balance Sheets(only Concepts) d) Marketing Management ☐ Concept of Marketing and Marketing Management ☐ Marketing Techniques (only concepts) ☐ Concept of 4P s (Price, Place, Product, Promotion) e) Human Resource Management ☐ Functions of Personnel Management ☐ Manpower Planning, Recruitment, Sources of manpower, Selection process, Method of Testing, Methods of Training & Development, Payment of Wages	27.09.2023 TO 18.10.2023	a) Production management ☐ Functions, Activities ☐ Productivity ☐ Quality control ☐ Production Planning and control b) Inventory Management ☐ Need for Inventory management ☐ Models/Techniques of Inventory management 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&L Accounts, Balance Sheets(only Concepts) d) Marketing Management ☐ Concept of Marketing and Marketing Management ☐ Marketing Techniques (only concepts) ☐ Concept of 4P s (Price, Place, Product, Promotion) e) Human Resource Management ☐ Functions of Personnel Management ☐ Manpower Planning, Recruitment, Sources of manpower, Selection process, Method of Testing, Methods of Training & Development, Payment of Wages	27.09.2023 29.09.2023 30.09.2023 4.10.2023 4.10.2023 6.10.2023 7.10.2023 11.10.2023 13.10.2023 18.10.2023	

6. Leadership and Motivation	6	a) Leadership ☐ Definition and Need/Importance ☐ Qualities and functions of a leader ☐ Manager Vs Leader ☐ Style of Leadership (Autocratic, Democratic, Participative) b) Motivation ☐ Definition and characteristics ☐ Importance of motivation ☐ Factors affecting motivation ☐ Theories of motivation (Maslow) ☐ Methods of Improving Motivation ☐ Importance of Communication in Business ☐ Types and Barriers of Communication	18.10.2023 TO 10.11.2023	a) Leadership ☐ Definition and Need/Importance ☐ Qualities and functions of a leader ☐ Manager Vs Leader ☐ Style of Leadership (Autocratic, Democratic, Participative) b) Motivation ☐ Definition and characteristics ☐ Importance of motivation ☐ Factors affecting motivation ☐ Theories of motivation (Maslow) ☐ Methods of Improving Motivation ☐ Importance of Communication in Business ☐ Types and Barriers of Communication	18.10.2023 1.11.2023 1.11.2023 3.11.2023 4.11.2023 8.11.2023 8.11.2023 10.11.2023	
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)	11.11.2023 TO 18.11.2023	☐ 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)	11.11.2023 15.11.2023 15.11.2023 17.11.2023 18.11.2023	

8. Legislation	6	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)	22.11.2023 TO 29.11.2023	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)	22.11.2023 22.11.2023 24.11.2023 25.11.2023 29.11.2023 29.11.2023	
9. Smart Technology	6	☐ 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.	1.12.2023 TO 8.12.2023	☐ 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.	1.12.2023 2.12.2023 6.12.2023 6.12.2023 8.12.2023	


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5TH SEMESTER, BRANCH-MECHANICAL(GROUP 2)

ENTREPRENEURSHIP and MANAGEMENT & SMART TECHNOLOGY(TH-1)

Name of the Faculty – KABITA KUMARI TRIPATHY						
Topics to be taken				Actually taken		
SL NO & CHAPTER	No. of Periods assigned by SCTE & VT	Details of the topics	PLANNED DATE	Details of the topics	ACTUAL DATE	Remarks
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3. Project report Preparation	4	<ul style="list-style-type: none"> ☐ Preliminary project report ☐ Detailed project report, Techno economic Feasibility ☐ Project Viability 	7.09.2023 TO 13.09.2023	<ul style="list-style-type: none"> ☐ Preliminary project report ☐ Detailed project report, Techno economic Feasibility ☐ Project Viability 	7.09.2023 11.09.2023 12.09.2023 13.09.2023	
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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)	8.11.2023 TO 20.11.2023	☐ 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)	8.11.2023 9.11.2023 15.11.2023 16.11.2023 20.11.2023	

8. Legislation	6	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)	21.11.2023 TO 30.11.2023	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)	21.11.2023 22.11.2023 23.11.2023 28.11.2023 29.11.2023	
9. Smart Technology	6	☐ 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.	4.12.2023 TO 7.12.2023	☐ 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.	30.11.2023 4.12.2023 6.12.2023 7.12.2023	

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