

# INFORMATION TECHNOLOGY DEPARTMENT

LESSON PLAN	
JHARSUGUDA ENGINEERING SCHOOL, JHARSUGUDA	
Name of the Faculty: Mrs. Barsha rani Patel	Academic Year: 2025-26
Course No.: Th.1	Course Name: Entrepreneurship and Management & Smart Technology
Program: Diploma	Branch: IT
Sem : 3 <sup>rd</sup>	

SLNO	Weeks	Period	Class Day	Time (min)	Topic to be covered	Teaching method
1.	1.	1	1 <sup>st</sup>	60	<b>1. Entrepreneurship</b> Concept /Meaning of Entrepreneurship and Need of Entrepreneurship	Chalk & talk + PPT
		2	2 <sup>nd</sup>	60	Characteristics, Qualities and Types of entrepreneurs	Chalk & talk + PPT
		3	3 <sup>rd</sup>	60	Functions and Barriers in entrepreneurship	Chalk & talk + PPT + NPTEL
		4	4 <sup>th</sup>	60	Entrepreneurs vs. Manager	<b>Chalk &amp; talk + PPT + Real life example + Revision+ Assignments</b>
2.	2.	5	1 <sup>st</sup>	60	Forms of Business Ownership: Sole proprietorship, partnership forms and others	Chalk & talk + Real life example
		6	2 <sup>nd</sup>	60	Types of Industries	Chalk & talk + Real life example
		7	3 <sup>rd</sup>	60	Concept of Start-ups	Chalk & talk + Real life example
		8	4 <sup>th</sup>	60	Entrepreneurial support agencies at National, State, District Level : DIC, NSIC, OSIC	<b>Chalk &amp; talk + PPT + PPT + NPTEL + Revision+ Assignments</b>
3.	3.	9	1 <sup>st</sup>	60	SIDBI, NABARD, Commercial Banks, KVIC etc.	Chalk & talk + PPT
		10	2 <sup>nd</sup>	60	Technology Business Incubators (TBI) and Science and Technology Entrepreneur Parks	Chalk & talk + Real life example
		11	3 <sup>rd</sup>	60	<b>2. Market Survey and Opportunity Identification (Business Planning)</b> Business Planning	Chalk & talk + Real life example + PPT
		12	4 <sup>th</sup>	60	SSI, Ancillary Units, Tiny Units	<b>Chalk &amp; talk + PPT + Revision</b>
4.	4.	13	1 <sup>st</sup>	60	Service sector Units, Time schedule Plan	Chalk & talk + PPT + NPTEL
		14	2 <sup>nd</sup>	60	Agencies to be contacted for Project Implementation	Chalk & talk + PPT

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		15	3 <sup>rd</sup>	60	Assessment of Demand and supply	Chalk & talk + PPT
		16	4 <sup>th</sup>	60	Potential areas of Growth of Demand and supply	<b>Chalk &amp; talk + PPT + Revision + Doubt Solve+ Assignments</b>
5.	5..	17	1 <sup>st</sup>	60	Identifying Business Opportunity	Chalk & talk + PPT
		18	2 <sup>nd</sup>	60	Final Product selection	Chalk & talk + NPTEL
		19	3 <sup>rd</sup>	60	<b>3. Project report Preparation</b> Preliminary project report	Chalk & talk + PPT + Real life example
		20	4 <sup>th</sup>	60	Detailed project report	<b>Chalk &amp; talk + PPT + Revision + Doubt Solve</b>
6	6	21	1 <sup>st</sup>	60	Techno economic Feasibility	Chalk & talk
		22	2 <sup>nd</sup>	60	Project Viability	Chalk & talk + NPTEL
		23	3 <sup>rd</sup>	60	<b>4. Management Principles</b> Definitions of management and importance of management	Chalk & talk + PPT
		24	4 <sup>th</sup>	60	Principles of management	<b>Chalk &amp; talk + PPT + Revision + Doubt Solve+</b>
7	7	25	1 <sup>st</sup>	60	Principles of management Functions of management (planning, organizing)	Chalk & talk + PPT
		26	2 <sup>nd</sup>	60	Functions of management (staffing, directing, leadership, motivating, Communicating and controlling etc.)	Chalk & talk
		27	3 <sup>rd</sup>	60	Level of Management in an Organization	Chalk & talk + PPT + NPTEL
		28	4 <sup>th</sup>	60	<b>5. Functional Areas of Management</b> Production management (Function and Activities), Productivity, Quality control.	<b>Chalk &amp; talk + PPT + Revision + Doubt Solve+ Assignments</b>
8	8	29	1 <sup>st</sup>	60	Production Planning and control, Inventory Management - Need and techniques of Inventory management.	Chalk & talk + PPT + Real life example
		30	2 <sup>nd</sup>	60	Financial Management, Functions of Financial management, Management of Working capital.	Chalk & talk + PPT + Real life example
		31	3 <sup>rd</sup>	60	Costing (only concept), Break even Analysis, Brief idea about Accounting Terminologies: Book Keeping, Journal entry	Chalk & talk + PPT
		32	4 <sup>th</sup>	60	Petty Cash book, P&L Accounts, Balance Sheets.	<b>Chalk &amp; talk + PPT + Revision + Doubt Solve+ Assignments</b>
9	9	33	1 <sup>st</sup>	60	Concept of Marketing and Marketing Management and	Chalk & talk + NPTEL

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					its techniques.	
		34	2 <sup>nd</sup>	60	Concept of 4P s (Price, Place, Product, Promotion), Human Resource Management.	Chalk & talk + NPTEL
		35	3 <sup>rd</sup>	60	Functions of Personnel Management, Manpower Planning, Recruitment, Sources of manpower.	Chalk & talk + NPTEL + Real life example
		36				
		37	4 <sup>th</sup>	60	Sources of manpower, Selection process, Method of Testing.	<b>Chalk &amp; talk + PPT + Revision + Doubt Solve Assignments</b>
10	10	38	1 <sup>st</sup>	60	Methods of Training & Development, Payment of Wages.	Chalk & talk
		39	2 <sup>nd</sup>	60	<b>6. Leadership and Motivation</b> Leadership (Definition and Need/Importance), Qualities and functions of a leader.	Chalk & talk + PPT + Real life example
		40	3 <sup>rd</sup>	60	Manager Vs Leader, Style of Leadership (Autocratic, Democratic, Participative)	Chalk & talk + PPT + Real life example
		41	4 <sup>th</sup>	60	Motivation (Definition and characteristics), Importance of motivation.	<b>Chalk &amp; talk + PPT + Revision + Doubt Solve+ Assignments</b>
11	11	42	1 <sup>st</sup>	60	Factors affecting motivation, Theories of motivation (Maslow).	Chalk & talk + PPT
		43	2 <sup>nd</sup>	60	Methods of Improving Motivation, Importance of Communication in Business.	Chalk & talk + PPT + NPTEL
		44	3 <sup>rd</sup>	60	Types and Barriers of Communication.	Chalk & talk + PPT
		45	4 <sup>th</sup>	60	<b>7. Work Culture, TQM &amp; Safety</b> Human relationship and Performance in Organization.	<b>Chalk &amp; talk + PPT + Revision + Doubt Solve+ Assignments</b>
12	12	46	1 <sup>st</sup>	60	Relations with Peers, Superiors and Subordinates. TQM concepts: Quality Policy	Chalk & talk + PPT
		47	2 <sup>nd</sup>	60	TQM concepts: Quality Management, Quality system, QMS	Chalk & talk + PPT + NPTEL
		48	3 <sup>rd</sup>	60	Accidents and Safety, Cause, preventive measures	Chalk & talk + Real life example
		49	4 <sup>th</sup>	60	General Safety Rules, Personal Protection Equipment (PPE)	<b>Chalk &amp; talk + PPT + Revision + Doubt Solve Assignments</b>
13	13	50	1 <sup>st</sup>	60	<b>8. Legislation</b> Intellectual Property Rights (IPR), Patents	Chalk & talk + PPT

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		51	2 <sup>nd</sup>	60	Trademarks	Chalk & talk + PPT + NPTEL
		52	3 <sup>rd</sup>	60	Copyrights	Chalk & talk + PPT
		53	4 <sup>th</sup>	60	Describes the factories Act 1948	Chalk & talk + PPT + Revision + Doubt Solve+ <b>Assignments</b>
14	14	54	1 <sup>th</sup>	60	Features of Factories Act 1948 with Amendment (only salient points)	Chalk & talk + PPT
		55	2 <sup>nd</sup>	60	Features of Payment of Wages Act 1936 (only salient points)	Chalk & talk + Real life example + PPT
		56	3 <sup>rd</sup>	60	Intellectual Property Rights(IPR), Patents, Trademarks, Copyrights	Chalk & talk + Real life example
		57	4 <sup>th</sup>	60	Recall	<b>Chalk &amp; talk + PPT + Revision + Doubt Solve+ Assignments</b>
15		58	1 <sup>th</sup>	60	9. Smart Technology Concept of IOT, How IOT works	Chalk & talk + Real life example + PPT
		59	2 <sup>nd</sup>	60	Components of IOT, Characteristics of IOT, Categories of IOT	Chalk & talk + Real life example + NPTEL
		60	3 <sup>rd</sup>	60	Applications of IOT- Smart Cities, Smart Transportation, Smart Home, Smart Healthcare, Smart Industry, Smart Agriculture, Smart Energy Management etc.	<b>Chalk &amp; talk + PPT + Revision + Doubt Solve+ Assignments</b>

## **REFERENCE:**

1. Entrepreneurship Development and Management by R.K Singhal, Katson Books., New Delhi
2. Entrepreneurship Development and Management by U Saroj and V Mahendiratta, Abhishek Publications, Chandigarh
3. Entrepreneurship Development and Management by Vasant Desai, Himalaya Pub.House
4. Industrial Engineering and Management by O.P Khanna ,Dhanpat Rai and Sons
5. Industrial Engineering and Management by Banga and Sharma, Khanna Publications
6. Internet of Things by Jeeva Jose, Khanna Publications, New Delhi
7. Online Resource on Startups and other concepts
8. <https://www.fundable.com/learn/resources/guides/startup>

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