

**KIIT POLYTECHNIC**  
Department of Mechanical Engineering

***LESSON PLAN***

<b>Session</b>	::	Winter– 2022
<b>Course Type</b>	::	Theory
<b>Semester/Branch</b>	::	5th Semester, Comp.Sc/Civil./El/Mech./Etc/.Mett.
<b>Subject (with code)</b>	::	Entrepreneurship & Management & Smart Technology (Th-1)
<b>Contact hours/week</b>	::	4 hours
<b>Name of Faculty</b>	::	Dr.Sukalyan Das Mr. Lalit Mohan Lenka

SL. No	CLASS ID	COURSE CONTENT	MODE OF DELIVERY	EXHIBIT/ REFERENCE
1	1	Concept /Meaning of Entrepreneurship and Need of Entrepreneurship	Lecture (Elaboration)	Entrepreneurship Text & Cases by P.Narayan Reddy
2	2	Characteristics, Qualities and Types of entrepreneur	Lecture (Elaboration)	Entrepreneurial Development by Dr.S.S.Khanka
3	3	Functions and Barriers in entrepreneurship	Lecture (Explanation)	Study material
4	4	Entrepreneurs vs Manager Forms of Business Ownership: Sole proprietorship, Partnership forms & others	Flipped class	Study material
5	5	Co-operative Society, Joint Hindu Family Business	Flipped class	Study material
6	6	Joint stock company	Lecture (Explanation)	Entrepreneurship for Engineers by B.Badhai
7	7	Types of industries, Concept of Start-ups	Collaborative thinking	Entrepreneurial Development by Dr.S.S.Khanka
8	8	Entrepreneurial support agencies at National, sState, DistrictLevel( Sources): DIC, NSIC,OSIC, SIDBI, NABARD, Commercial Banks, KVIC	Lecture (Explanation)	Entrepreneurship and Industrial management by S.K.Gupta
9	9	Technology Business Incubators (TBI) and Science andTechnology Entrepreneur Parks	Lecture (Explanation)	Study material
10	10	Business Planning, SSI, Ancillary Units, Tiny Units	Collaborative thinking	Entrepreneurship Text & Cases by P.Narayan Reddy

11	11	Time schedule Plan, Agencies to be contacted for Project Implementation	Lecture (explanation)	Study material
12	12	Assessment of Demand and supply, Potential areas of Growth	Lecture (Explanation)	Entrepreneurship Development and management by Dr. A.K.Singh
13	13	Identifying Business Opportunity, Final Product selection	Lecture (Elaboration)	Entrepreneurship for Engineers by B.Badhai
14	14	Preliminary project report	Guided thinking	Entrepreneurship for Engineers by B.Badhai
15	15	Detailed project report	Guided thinking	Entrepreneurship for Engineers by B.Badhai
16	16	Techno economic Feasibility, Project Viability	Lecture (Explanation)	Study material
17	17	Definitions of management and principles of management	Students presentation	Industrial Engineering & Management by O.P Khanna
18	18	Functions of management-planning, organising, Staffing, directing and controlling	Video presentation	Entrepreneurship for Engineers by B.Badhai
19	19	Level of Management in an Organisation	Video presentation	Study material
20	20	Production management,: Functions, Activities and Productivity	Lecture (Explanation)	Industrial Engineering & Management by O.P Khanna
21	21	Quality control, Production Planning and control	Video presentation	Study material
22	22	Inventory Management :Need for Inventory management	Lecture (Explanation)	Entrepreneurship for Engineers by B.Badhai
23	23	Models/Techniques of Inventory management	Lecture (Elaboration)	Entrepreneurial Development by Dr.S.S.Khanka
24	24	Financial Management :Functions of Financial management, management of Working capital	Lecture (Elaboration)	Entrepreneurship for Engineers by B.Badhai
25	25	Costing (only concept),Break even Analysis,	Lecture (Explanation)	Entrepreneurship for Engineers by B.Badhai
26	26	Brief idea about Accounting Terminologies: Book Keeping, Journal entry, Petty Cash book	Lecture (Explanation)	Entrepreneurship for Engineers by B.Badhai
27	27	P&L Accounts, Balance Sheets(only Concepts)	Lecture (Explanation)	Entrepreneurship for Engineers by B.Badhai
28	28	Marketing Management : Concept of Marketing and Marketing Management	Lecture (Explanation)	Study material
29	29	Marketing Techniques (only concepts) Concept of 4P s (Price, Place, Product, Promotion)	Lecture (Explanation)	Study material
30	30	Human Resource Management : Functions of Personnel Management, Manpower Planning, Recruitment, Sources of manpower	Lecture (Explanation)	Entrepreneurship for Engineers by B.Badhai
31	31	Selection process, Method of Testing, Methods of Training & Development, Payment of Wages	Prompt and cue	Entrepreneurship for Engineers by B.Badhai
32	32	Leadership: Definition and Need/Importance qualities of a leader	Lecture (Explanation)	Organizational behaviour by Dipak Kumar Bhattacharyya
33	33	Functions of a leader and Manager Vs Leader	Lecture (Explanation)	Organizational behaviour by Dipak kumar Bhattacharyya
35	35	Motivation : Definition and characteristics	Guided thinking	Organisational behaviour by

		and Importance of motivation		Dr.S.S. khanka
36	36	Factors affecting motivation and Theories of motivation(Maslow)	Lecture (Elaboration)	Organisational behaviour by Dr.S.S khanka
37	37	Methods of Improving Motivation, Importance of Communication in Business, Types and Barriers of Communication	Collaborative thinking	Organisational behaviour by Dr.S.S khanka
38	38	Work Culture, TQM & Safety :Human relationship and Performance in Organization	Lecture (Explanation)	Study material
39	39	Relations with Peers, Superiors and Subordinates	Prompt and cue	Entrepreneurial Development by Dr.S.S.Khanka
40	40	TQM concepts: Quality Policy, Quality Management	Flipped class	Study material
41	41	Quality system, Accidents and Safety, Causes of accident	Lecture (Explanation)	Study material
42	42	Preventive measures, General Safety Rules , Personal Protection Equipment(PPE)	Prompt and cue	Study material
43	43	Legislation: Intellectual Property Rights(IPR) ,Patents, ,Trademarks and copyrights	Lecture (Explanation)	Entrepreneurial Development by Dr.S.S.Khanka
44	44	Features of Factories Act 1948 with Amendment (only salient points)	Lecture (Explanation)	Industrial engineering and Management by O.P.Khanna
45	45	Features of Payment of Wages Act 1936 (only salient points)	Lecture (Explanation)	Industrial engineering and Management by O.P.Khanna
46	46	Smart Technology : Concept of IOT, How IOT works	Lecture (Explanation)	Study material
47	47	Components of IOT, Characteristics of IOT ,Categories of IOT	Lecture (Elaboration)	Study material
48	48	Applications of IOT: Smart Cities, Smart Transportation, smart Home, Smart Healthcare Smart Energy Management etc	Collaborative thinking	Study material

Signature of faculty