Lesson Plan on

(TH-1)Entrepreneurship management & smart Technology (5th sem)

Prepared by

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PTGF ,MECHANICAL ENGG.

GOVERNMENT POLYTECHNIC, PURIDEPARTMENTOFMECHANICALENGINEERING

Discipline:MECHANICALENGG	Semester: 5TH	Name of the Teaching Faculty: **MS CHINMAYEE JAYASINGH, PTGFINMECH.ENGG.**
Subject: **EM&ST**	No. ofdays/perweek classallotted:**04**	**Semester From date: 15.09.2022 To Date: 22.12.2022** **No. of Weeks: 15**
PRE-REQUISITE	Basic knowledge about Entrepreneurship, Management, different qualities like leadership,motivation and know the concept of smart technology.	
COURSEOUTCOMES	**CO1:** Know about Entrepreneurship, Types of Industries and Start up. **CO2:** Know about various schemes of assistance by entrepreneurial support agencies. **CO3:** Conduct market survey &Prepare project report **CO4:** Know the management Principles and functional areas of management **CO5:** Inculcate leadership qualities to motivate self and others. **CO6:** Maintain and be a part of healthy work culture in an organisation. **CO7:** Use modern concepts like TQM & Know the General Safety Rules. **CO8:** Know about IOT and its Application in SMART Environment	

Week	Class Day	Theory/Practical Topics	DELIVERY METHOD
1ST	1ST	Concept /Meaning of Entrepreneurship, Need of Entrepreneurship	Whiteboard
	2ND	Characteristics, Qualities and Types of entrepreneur, Functions	Whiteboard
	3RD	Barriers in entrepreneurship, Entrepreneurs vs. Manager	Whiteboard
	4TH	Forms of Business Ownership: Sole proprietorship, partnership forms and others	Whiteboard
2ND	1ST	Types of Industries, Concept of Start-ups	Whiteboard
	2ND	Entrepreneurial support agencies at National, State, District Level (Sources): DIC, NSIC,OSIC, SIDBI, NABARD, Commercial Banks, KVIC etc	Whiteboard
	3RD	Technology Business Incubators (TBI) and Science and Technology Entrepreneur Parks	Whiteboard
	4TH	**QUIZ&ASSIGNMENT-I**	Lecturenotes
3RD	1ST	Business Planning	Whiteboard
	2ND	SSI, Ancillary Units, Tiny Units, Service sector Units	Whiteboard
	3RD	Time schedule Plan,Agencies to be contacted for Project Implementation	Whiteboard
	4TH	Assessment of Demand and supply and Potential areas of Growth	Whiteboard
4TH	1ST	Identifying Business Opportunity, Final Product selection	Whiteboard
	2ND	Preliminary project report	Whiteboard
	3RD	Detailed project report, Techno economic Feasibility,Project Viability	Whiteboard
	4TH	**QUIZ &ASSIGNMENT-II**	Whiteboard
5TH	1ST	Definitions of management, Principles of management	Whiteboard
	2ND	Functions of management (planning, organizing, staffing, directing and controlling etc.)	Whiteboard

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	3RD	Level of Management in an Organisation	PPT
	4TH	Production management (Functions, Activities)	Whiteboard
6TH	1ST	Productivity, Quality control	Whiteboard
	2ND	Production Planning and control	Whiteboard
	3RD	Inventory Management (Needs, Model)	Whiteboard
	4TH	Functions of Financial management, Management of Working capital, Costing	Lecturenotes
7TH	1ST	Costing (only concept), Break even Analysis	Whiteboard
	2ND	Brief idea about Accounting Terminologies (Book Keeping, Journal entry, Petty Cash book	Whiteboard
	3RD	P&L Accounts, Balance Sheets, Concept of Marketing and Marketing Management	Whiteboard
	4TH	Marketing Techniques, Concept of 4P s (Price, Place, Product, Promotion)	PPT
8TH	1ST	Functions of Personnel Management	Whiteboard
	2ND	Manpower Planning, Recruitment, Sources of manpower, Selection process.	Whiteboard
	3RD	Method of Testing, Methods of Training & Development, Payment of Wages	Whiteboard
	4TH	**QUIZ&ASSIGNMENT-III**	Whiteboard
9TH	1ST	Definition and need of leadership	Whiteboard
	2ND	Qualities and functions of a leader,Manager Vs Leader	Whiteboard
	3RD	Style of Leadership (Autocratic, Democratic, Participative)	Whiteboard
	4TH	MotivationDefinition and characteristics	Lecturenotes
10TH	1ST	Importance of motivation, Factors affecting motivation	Whiteboard
	2ND	Theories of motivation (Maslow), Methods of Improving Motivation	Whiteboard
	3RD	Importance of Communication in Business,Types and Barriers of Communication	Whiteboard
	4TH	**QUIZ & ASSIGNMENT-IV**	Google form
11TH	1ST	Human relationship and Performance in Organization	Whiteboard
	2ND	Relations with Peers, Superiors and Subordinates	Whiteboard
	3RD	TQM concepts: Quality Policy, Quality Management, Quality system	Lecturenotes
	4TH	Accidents and Safety, Cause, preventive measures, General Safety Rules, Personal Protection Equipment(PPE)	Whiteboard
12TH	1ST	Intellectual Property Rights(IPR), Patents, Trademarks, Copyrights	Whiteboard
	2ND	Features of Factories Act 1948 with Amendment	Whiteboard
	3RD	Features of Payment of Wages Act 1936	Whiteboard
	4TH	**QUIZ & ASSIGNMENT-V**	Whiteboard
13TH	1ST	Concept of IOT, How IOT works	Whiteboard
	2ND	Components of IOT, Characteristics of IOT	Whiteboard
	3RD	Categories of IOT, Applications of IOT- Smart Cities, Smart Transportation	Whiteboard
	4TH	Smart Home, Smart Healthcare	Lecturenotes
14TH	1ST	Smart Industry, Smart Agriculture, Smart Energy Management	
	2ND	**QUIZ & ASSIGNMENT-VI**	
	3RD	**REVISION**	Whiteboard
	4TH	**REVISION**	Whiteboard
15TH	1ST	**REVISION**	Whiteboard
	2ND	**QUIZ & ASSIGNMENT-VII**	Google form
	3RD	**REVISION**	Whiteboard
	4TH	**REVISION**	Whiteboard

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LEARNINGRESOUCES:

Entrepreneurship Development and Management by R.K Singhal, Katson Books., New Delhi

Entrepreneurship Development and Management by U Saroj and V Mahendiratta, Abhishek Publications, Chandigarh

Internet of Things by Jeeva Jose, Khanna Publications, New Delhi

WEBSITERESOUCES:

01: https://www.fundable.com/learn/resources/guides/startup

02: https://youtube.com/playlist?list=PL7oBzLzHZ1wXW3mtolxV5nlGn48NLKwrb

Chinmayee Jayasingh

Sign. of Facultyconcerned

Debi Prasad Patra

(w.e.f 16.12.22)

Principal

G.PPuri

17/09/22

17/09/22

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