

GOVERNMENT POLYTECHNIC, KORAPUT

OT STATE OF THE PARTY OF THE PA	DEPARTMENT OF MECHANICAL ENGINEERING Semester: Name of the Toronto.		
Discipline:		OF MECHANIC	
MECHANIC:	C	THANICAL ENGINEEDING	
MECHANICAL	Semester:	Name of the Teaching Faculty: MANORANJAN SIGNOU. Semester From date: 11	
ENGG	3	of the Teaching Faculty: A faculty:	
Subject:	No. of	MANORANJANK SINGE	
ENTREPRENEUPSIUM	days/per	Semester From date:	
and MANAGEMENT o	week	1/9/20 TODA	
SMAKI	class	Semester From date: 1/9/20 To Date: 19/3/21.	
TECHNOLOGY	allotted:		
	04	No. on	
	restor :	No. of Weeks: 15	
COURSE	• Know at		
OUTCOMES	 Know about Entrepreneurship, Types of Industries and Startups Know about Conduct market survey Prepare project 		
OMES	various schemes of assistance by entrepreneurial support agencies Conduct market survey Prepare project report		
	Prepare	market survey	
	• know the man		
	• Inculated and English and En		
	 know the management Principles and functional areas of management Inculcate leadership qualities to motivate self and others. Use modern as a part of healthy work culture. 		
	Use modern		
	• Know the Concepts like TQM		
	• Know al	Pout IOT and its A	
Week	Class	count IOT and its Application in SMART Environment.	
	Dan	Theory/Practical Topics	
18T	Day	J'A Tactical Topics	
	2 ND	Entrepreneurship Concept / Meaning of Entrepreneurship	
	3 RD	Need of Entrepreneurship	
	3 ND	Characteristics, Qualities and To	
	4 TH	Characteristics, Qualities and Types of entrepreneur, Functions Barriers in entrepreneurship	
2 ND	1 ST		
	2 ND	Entrepreneurs vs. Manager	
	1. 5.25	Forms of Business Ownership: Sole proprietorship, partnership forms and others	
	3 RD	Types of Indiana	
	4 TH	Types of Industries, Concept of Start-ups	
	T	Enulepreneurial support agencies at N	
3 RD	1ST	(Sources): DIC, NSIC, OSIC	
	-	SIDBI, NABARD, Commercial Banks, KVIC etc.	
	2 ND	Technology Business Incubators (TBI) and Cair	
	3RD		
	310	Market Survey and Opportunity Identification (D	
	4 TH		
4 TH		SSI, Ancillary Units, Tiny Units, Service sector Units	
	1 ST	Conta.	
	2 ND	Time schedule Plan, Agencies to be contacted for Project Implementation	
	3 RD	Conta.	
РTU	4 TH	Assessment of Demand and supply and Potential areas of Growth	
5 ^{тн}	1 ST	Identifying Business Opportunity	
	2 ND	Final Product selection and Revision	
	3 RD	Project report Preparation - Introduction	
	4 TH	Preliminary project report	
6 TH	1 ST	Detailed project report, Techno economic Feasibility	
	2 ND	Project Viability and Revision	
	3RD	Management Principles - Introduction	
	4 TH	Definitions of management	

	7TH	1 151	Principles of management	
		2 ND	Principles of management Functions of management (planning, organizing, staffing, directing at controlling etc.)	
		2,	controlling etc.)	
			Could	
		3RD	Contd.	
877	4	4 TH	Level of Management in an Organization and Revision	
0		10.	Functional Areas of Management	
			Production management Functions, Activities	
		2 ND	Quality control	
		200	Production Planning and control	
	1	3 RD	Inventory Management	
	-	4 TH	Need for Inventory management	
9ТН		1ST	Models/Techniques of Inventory management	
			Financial Management Functions of Financial management Management of Working capital	
			• Costing (only concept)	
		2.00	Break even Analysis	
			Brief idea about Accounting Terminologies: Book Vaccing Journal	
	-		23 Cash Ook, Poll Accounts Balance Sheets only Consents	
1			ranketing Management	
		4 TH M	Concept of Marketing and Marketing Management Marketing Techniques (only concepts)	
1071			Concept of 4P s (Price, Place, Product, Promotion)	
10 TH		- 11	turnali Resource Management	
		Fi	unctions of Personnel Management	
	1	111	anpower Planning, Recruitment, Sources of manpower, Selection	
			ocess, Method of Testing, Methods of Training & Development, yment of Wages and Revision	
	3		adership and Motivation	
		Lea	adership Definition and Need/Importance	
1.171	47	Qu	alities and functions of a leader	
11 TH	1 S	Ma:	nager Vs Leader	
	ON	• S	tyle of Leadership (Autocratic Demonstration)	
	2 ^N			
		Importance of motivation		
	3RD	Theor	actors affecting motivation	
		111001	ries of motivation (Maslow)	
	4 TH	Impor	thods of Improving Motivation tance of Communication in Business	
-		• Typ	es and Barriers of Communication in Business	
12 TH	1 ST	Worl	es and Barriers of Communication and Revision k Culture, TQM & Safety - Introduction	
	2 ND	Huma	an relationship and Performance in Organization	
	3 RD	D 1 .:	organization organization	
	4 TH	Relati	ons with Peers, Superiors and Subordinates	
13 TH		TQM	concepts: Quality Policy Quality Ma	
13	1 ST			
	2 ND	Person	al Protection Equipment(PPE) and Revision	
	2	1 -0 - 1016	ation .	
	3RD	(Contd	llectual Property Rights(IPR), Patents, Trademarks, Copyrights	
	4 TH	Contd.	CP CPyrights	
14 TH	1 ST	reature	s of Factories Act 1948 with Amendment (only salient points)	
			of Layment of Wages Act 1936 (only salient points)	
	2 ND	ICCVISIO		
	3RD	Smart T	Technology	
		1 -		
		Concept	t of IOT, How IOT works	

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	4TH	Revision
	3 RD	Smart Industry, Smart Agriculture, Smart Energy Management etc
	2 ND	Contd.
15 TH	1 ST	Applications of IOT- Smart Cities, Smart Transportation, Smart Home Smart Healthcare

LEARNING RESOURCES:

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

WEBSITE RESOURCES:

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

Sign. Of Faculty concerned

Sharmila labar

Sign. Of HOD I/C