



LESSON PLAN

SUB:-EM & ST

BRANCH:- ELECTRICAL ENGG.

SEMESTER: 5TH

NAME OF FACULTY: - TANMAY ROY



**GOVERNMENT POLYTECHNIC,
BHADRAK**

SESSION:2024-25

Hod Electrical
**HOD (ELECT.)
G.P.BHADRAK**

Academic Co-ordinator
Academic Co-ordinator

Principal
Govt. Polytechnic Bhadrak
**Principal
Govt. Polytechnic
Bhadrak**

DISCIPLINE ELECTRICAL ENGG	SEMESTER R 5 TH	NAME OF THE TEACHING FACULTY TANMAY ROY
SUBJECT <i>Entrepreneurship and Management & Smart Technology</i>	NO. OF DAYS/WEEK CLASS ALLOTTED-60	SEMESTER FROM DATE 01.07.2024 to 08.11.2024
WEEK	CLASS/D AY	THEORY TOPICS
1 ST	01	Entrepreneurship Concept /Meaning of Entrepreneurship
	02	Need of Entrepreneurship
	03	Characteristics, Qualities of Entrepreneurship, Types of entrepreneurs, Functions
	04	Barriers in entrepreneurship
2 ND	05	Entrepreneur vs Manager
	06	Forms of Business Ownership: Sole proprietorship, partnership forms and others
	07	Types of Industries, Concept of Start-ups
	08	Entrepreneurial support agencies at National, State, District Level (Sources): DIC, NSIC, OSIC, SIDBI, NABARD, Commercial Banks, KVIC etc.
3 RD	09	
	10	Technology Business Incubators (TBI) and Science and Technology Entrepreneur Parks
	11	Market Survey and Opportunity Identification (Business Planning) Business Planning
	12	SSI, Ancillary Units, Tiny Units, Service sector Units
4 TH	13	Time schedule Plan; Agencies to be contacted for Project Implementation
	14	Time schedule Plan; Agencies to be contacted for Project Implementation
	15	Assessment of Demand and supply and Potential areas of Growth
	16	Assessment of Demand and supply and Potential areas of Growth
5 TH	17	Identifying Business Opportunity
	18	Final Product selection
	19	Project report Preparation Preliminary project report
	20	Detailed project report, Techno economic Feasibility
6 TH	21	Detailed project report, Techno economic Feasibility
	22	Project Viability
	23	Management Principles Definitions of management
	24	Principles of management
7 TH	25	Functions of management (planning, organizing, staffing, directing, and controlling etc.)
	26	Functions of management (planning, organizing, staffing, directing, and controlling etc.)
	27	Level of Management in an Organization

	28	Functional Areas of Management Production management - Functions, Activities, Productivity
8 TH	29	Production management- Quality control, Production Planning and control
	30	Inventory Management- Need for Inventory management
	31	Inventory Management- Models/Techniques of Inventory management
	32	Financial Management- Functions of Financial management, Management of Working capital, Costing (only concept)
9 TH	33	Financial Management- Break even Analysis, Brief idea about Accounting Terminologies: Book Keeping, Journal entry, Petty Cash book, P&L Accounts, Balance Sheets (only Concepts)
	34	Marketing Management- Concept of Marketing and Marketing Management
	35	Marketing Management- Marketing Techniques (only concepts) Concept of 4P s (Price, Place, Product, Promotion)
	36	Human Resource Management- Functions of Personnel Management
10 TH	37	Human Resource Management- Manpower Planning, Recruitment, Sources of manpower, Selection process, Method of Testing, Methods of Training & Development, Payment of Wages
	38	Leadership and Motivation Definition and Need/Importance
	39	Leadership and Motivation Qualities and functions of a leader Manager Vs Leader
	40	Leadership and Motivation Style of Leadership (Autocratic, Democratic, Participative)
11 TH	41	Motivation Definition and characteristics Importance of motivation
	42	Motivation Factors affecting motivation Theories of motivation (Maslow)
	43	Motivation Methods of Improving Motivation Importance of Communication in Business Types and Barriers of Communication
	44	Work Culture, TQM & Safety Human relationship and Performance in Organization
12 TH	45	Work Culture, TQM & Safety Relations with Peers, Superiors and Subordinates
	46	Work Culture, TQM & Safety TQM concepts: Quality Policy, Quality Management, Quality system
	47	Work Culture, TQM & Safety TQM concepts: Quality Policy, Quality Management, Quality system
	48	Work Culture, TQM & Safety Accidents and Safety, Cause, preventive measures, General Safety Rules, Personal Protection Equipment (PPE)
13 TH	49	Legislation Intellectual Property Rights (IPR), Patents, Trademarks, Copyrights
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	51	Legislation Features of Factories Act 1948 with Amendment (only salient points)

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14 TH	53	Legislation Features of Payment of Wages Act 1936 (only salient points)
	54	Legislation Features of Payment of Wages Act 1936 (only salient points)
	55	Smart Technology Concept of IOT, How IOT works
	56	Concept of IOT, How IOT works
15 TH	57	Components of IOT, Characteristics of IOT, Categories of IOT
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	59	Applications of IOT- Smart Cities, Smart Transportation, Smart Home, Smart Healthcare, Smart Industry, Smart Agriculture, Smart Energy Management etc.
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Tanmoy Ray
1.7.24