

Discipline : ELE	Semester:- 5 <sup>th</sup>	Name of the Teaching Faculty: - Anchal Sundar Ray
Subject:- Entrepreneurship and management & smart technology	No of Days/per Week Class Allotted :- 04	Semester From:- 15.09.2022 To:- 22.12.2022
Week	Class Day	Theory
1 <sup>st</sup>	1 <sup>st</sup>	Concept /Meaning of Entrepreneurship
	2 <sup>nd</sup>	Need of Entrepreneurship
	3 <sup>rd</sup>	Characteristics, Qualities and Types of entrepreneur, Functions
	4 <sup>th</sup>	Barriers in entrepreneurship
2 <sup>nd</sup>	1 <sup>st</sup>	Entrepreneurs vrs. Manager
	2 <sup>nd</sup>	Forms of Business Ownership: Sole proprietorship
	3 <sup>rd</sup>	Forms of Business Ownership :partnership forms and others
	4 <sup>th</sup>	Types of Industries, Concept of Start-ups
3 <sup>rd</sup>	1 <sup>st</sup>	Entrepreneurial support agencies at National, State, District Level( Sources): DIC, NSIC, OSIC, SIDBI, NABARD, Commercial Banks, KVIC etc
	2 <sup>nd</sup>	Entrepreneurial support agencies at National, State, District Level( Sources):.
	3 <sup>rd</sup>	Market Survey
	4 <sup>th</sup>	Opportunity Identification (Business Planning)
4 <sup>th</sup>	1 <sup>st</sup>	SSI, Ancillary Units
	2 <sup>nd</sup>	Tiny Units, Service sector Units
	3 <sup>rd</sup>	Time schedule Plan, Agencies to be contacted for Project Implementation
	4 <sup>th</sup>	Assessment of Demand and supply and Potential areas of Growth
5 <sup>th</sup>	1 <sup>st</sup>	Identifying Business Opportunity
	2 <sup>nd</sup>	Final Product selection
	3 <sup>rd</sup>	Project report Preparation
	4 <sup>th</sup>	Preliminary project report
6 <sup>th</sup>	1 <sup>st</sup>	Detailed project report, Techno economic Feasibility
	2 <sup>nd</sup>	Project Viability
	3 <sup>rd</sup>	Management Principles
	4 <sup>th</sup>	Definitions of management

7 <sup>th</sup>	1 <sup>st</sup>	Principles of management
	2 <sup>nd</sup>	Functions of management (planning, organizing, staffing, directing and controlling etc.)
	3 <sup>rd</sup>	Level of Management in an Organization
	4 <sup>th</sup>	Functional Areas of Management
8 <sup>th</sup>	1 <sup>st</sup>	a) Production management <input type="checkbox"/> Functions, Activities <input type="checkbox"/> Productivity <input type="checkbox"/> Quality control <input type="checkbox"/> Production Planning and control
	2 <sup>nd</sup>	b) Inventory Management <ul style="list-style-type: none"> <li>• Need for Inventory management</li> <li>• Models/Techniques of Inventory management</li> </ul>
	3 <sup>rd</sup>	c) Financial Management <ul style="list-style-type: none"> <li>• Functions of Financial management</li> <li>• Management of Working capital <ul style="list-style-type: none"> <li>• Costing (only concept)</li> </ul> </li> </ul>
	4 <sup>th</sup>	c) Financial Management <ul style="list-style-type: none"> <li>• Break even Analysis</li> <li>• Brief idea about Accounting Terminologies: Book Keeping, Journal entry, Petty Cash book, P&amp;L Accounts, Balance Sheets(only Concepts)</li> </ul>
9 <sup>th</sup>	1 <sup>st</sup>	d) Marketing Management <ul style="list-style-type: none"> <li>• Concept of Marketing and Marketing Management</li> </ul>
	2 <sup>nd</sup>	d) Marketing Management: Marketing Techniques (only concepts) <ul style="list-style-type: none"> <li>• Concept of 4P s (Price, Place, Product, Promotion)</li> </ul>
	3 <sup>rd</sup>	e) Human Resource Management <ul style="list-style-type: none"> <li>• Functions of Personnel Management</li> </ul>
	4 <sup>th</sup>	e) Human Resource Management <ul style="list-style-type: none"> <li>• Manpower Planning, Recruitment, Sources of manpower, Selection process, Method of Testing, Methods of Training &amp; Development, Payment of Wages</li> </ul>
10 <sup>th</sup>	1 <sup>st</sup>	a) Leadership <ul style="list-style-type: none"> <li>• Definition and Need/Importance</li> <li>• Qualities and functions of a leader</li> </ul>
	2 <sup>nd</sup>	a) Leadership <ul style="list-style-type: none"> <li>• Manager Vs Leader</li> </ul>
	3 <sup>rd</sup>	a) Leadership <ul style="list-style-type: none"> <li>• Style of Leadership (Autocratic, Democratic, Participative)</li> </ul>
	4 <sup>th</sup>	b) Motivation <ul style="list-style-type: none"> <li>• Definition and characteristics</li> <li>• Importance of motivation</li> </ul>
11 <sup>th</sup>	1 <sup>st</sup>	b) Motivation <ul style="list-style-type: none"> <li>• Factors affecting motivation</li> <li>• Theories of motivation (Maslow)</li> </ul>
	2 <sup>nd</sup>	b) Motivation <ul style="list-style-type: none"> <li>• Methods of Improving Motivation</li> <li>• Importance of Communication in Business</li> <li>• Types and Barriers of Communication</li> </ul>
	3 <sup>rd</sup>	Work Culture, TQM & Safety
	4 <sup>th</sup>	• Human relationship and Performance in Organization

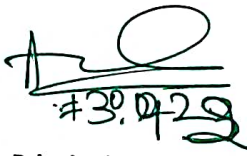
12 <sup>th</sup>	1 <sup>st</sup>	Relations with Peers, Superiors and Subordinates
	2 <sup>nd</sup>	TQM concepts: Quality Policy, Quality Management, Quality system
	3 <sup>rd</sup>	Accidents and Safety, Cause, preventive measures
	4 <sup>th</sup>	
13 <sup>th</sup>	1 <sup>st</sup>	General Safety Rules , Personal Protection Equipment(PPE)  <b>Legislation</b> a) Intellectual Property Rights(IPR), Patents, Trademarks, Copyrights <b>Legislation</b> b) Features of Factories Act 1948 with Amendment (only salient points)
	2 <sup>nd</sup>	
	3 <sup>rd</sup>	
	4 <sup>th</sup>	
14 <sup>th</sup>	1 <sup>st</sup>	Legislation c) Features of Payment of Wages Act 1936 (only salient points)
	2 <sup>nd</sup>	
	3 <sup>rd</sup>	<b>Smart Technology</b> <input type="checkbox"/> Concept of IOT, How IOT works
	4 <sup>th</sup>	
15 <sup>th</sup>	1 <sup>st</sup>	<b>Smart Technology</b> <input checked="" type="checkbox"/> Components of IOT, Characteristics of IOT, Categories of IOT
	2 <sup>nd</sup>	
	3 <sup>rd</sup>	<b>Smart Technology</b> <input checked="" type="checkbox"/> Applications of IOT- Smart Cities, Smart Transportation, Smart Home, Smart Healthcare, Smart Industry, Smart Agriculture, Smart Energy Management etc.
	4 <sup>th</sup>	

Anchal Sunder Ray  
 Teaching Faculty  
 30.09.2022

  
 HOD, ETC

  
 HOB  
 ELE

Academic Co-ordinator

  
 #30.09.22  
 Principal

Government Polytechnic, dhenkanal