



Academic Year : 2023-2024 Institute/ Branch Name : Symbiosis Institute of International Business Programme Name : Master of Business Administration
(Energy and Environment)

Color Code Description:												
Global					National / Local				Regional / National			
Sr. No.	GA No.	Graduate Attributes				PO No.	Programme Outcomes					
1	GA2	Global citizenship: ethical, social and professional understanding				PO1	Apply domain knowledge progressively by understanding business processes and practices in the energy- environment sector					
2	GA3	Eco-literate: sensitivity towards a sustainable environment				PO2	Practice value based learning by understanding and following ethical and responsible business practices.					
3	GA2	Global citizenship: ethical, social and professional understanding				PO3	Exhibit managerial skills by applying advanced understanding and problem solving for sustainable challenges.					
4	GA3	Eco-literate: sensitivity towards a sustainable environment				PO4	Demonstrate global competencies, sensitivity, and adaptability to deal with the challenges of the global business environment					
5	GA4	Employability: equipped with skills, attributes, leadership and entrepreneurial qualities that society needs; being capable of making a contribution to society through earning a living				PO5	Perform in accordance with industry expectations and serve society at large.					
Sr. No.	Semester	Institute Course Code	Catalog Course Code	Title	Cou rse Out come No	Course Outcome Statement	PO1	PO2	PO3	PO4	PO5	

1	SEM I	0202430101 - PP	T2408	Non Renewable Energy Sources	CO1	Understand and evaluate various sources of non-renewable energy sources from a business perspective	Moderate-M	Moderate-M	Strong-H	Moderate-M	Moderate-M
1					CO2	Predict and compute the energy demand scenario in India	Strong-H	Moderate-M	Moderate-M	Moderate-M	Moderate-M
1					CO3	Relate to appropriate non-conventional energy sources for power generation & management for a business activity	Strong-H	Strong-H	Moderate-M	Moderate-M	Moderate-M
1					CO4	Interpret the global energy scenarios in various sectors	Strong-H	Moderate-M	Strong-H	Moderate-M	Moderate-M
2	SEM I	0202430102 - PP	T2816	Renewable Energy Sources and Technologies	CO1	Relate various sources of renewable energy to energy security	Strong-H	Strong-H	Moderate-M	Moderate-M	Moderate-M
2					CO2	Compute and predict the renewable energy demand scenario in India	Strong-H	Moderate-M	Strong-H	Moderate-M	Moderate-M
2					CO3	Describe the fundamentals of various renewable energy conversion	Moderate-M	Strong-H	Moderate-M	Moderate-M	Strong-H
2					CO4	Identify various factors that impact the performance of the different technologies	Strong-H	Strong-H	Moderate-M	Moderate-M	Moderate-M
2					CO5	Carry out field projects in the sector of renewable energy.	Strong-H	Moderate-M	Strong-H	Moderate-M	Moderate-M
3	SEM I	0202430103 - PP	T3439	Advanced Data Driven Decision Making	CO1	""To Understand and recognize the significance of data and data analysis in the Business Scenarios for facilitating data driven decision making by managers. "	Strong-H	Moderate-M	Strong-H	Strong-H	Strong-H

3					CO2	To apply spreadsheet and database application tools for data analysis and decision making	Moderate-M	Moderate-M	Strong-H	Strong-H	Strong-H
3					CO3	To evaluate basic and advanced tools of spreadsheet and database management for decision making	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H
3					CO4	To evaluate What-If Analysis scenarios and interpret the data for	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H
3					CO5	To analyze large datasets and evaluate decision making	Moderate-M	Strong-H	Strong-H	Strong-H	Strong-H
4	SEM I	0202430104 - PP	T2078	Introduction to Financial Markets and Institutes	CO1	Understanding the Indian financial Markets	Moderate-M	Strong-H	Strong-H	Strong-H	Strong-H
4					CO2	Apply & analyze the concepts in real life situations.	Strong-H	Moderate-M	Moderate-M	Moderate-M	Moderate-M
4					CO3	Evaluate various theories related to different concepts	Moderate-M	Moderate-M	Strong-H	Moderate-M	Moderate-M
4					CO4	Develop an analytical approach to corporate finance decision making	Weak-L	Moderate-M	Moderate-M	Strong-H	Strong-H
4					CO5	Understand the role of Finance	Weak-L	Moderate-M	Moderate-M	Strong-H	Moderate-M
5	SEM I	0202430105 - PP	T2239	Business Communication	CO1	Understand the meaning and importance of communication in	Moderate-M	-	Strong-H	Moderate-M	Strong-H
5					CO2	Communicate effectively in a professional environment.	Strong-H	Moderate-M	Moderate-M	Moderate-M	-
5					CO3	Overcome communication barriers by using tools and methods of effective	Strong-H	Moderate-M	Moderate-M	Moderate-M	Moderate-M
5					CO4	Effectively use latest communication technologies.	Strong-H	Moderate-M	Moderate-M	Moderate-M	Moderate-M

5					CO5	Apply the knowledge gained in real-time business situations	Strong-H	Moderate-M	Strong-H	Strong-H	Moderate-M
6	SEM I	0202430106 - PP	T2412	Climate Change, Carbon Markets and Financing	CO1	Understand global climate change for business and industry relevance	Strong-H	Moderate-M	Strong-H	Moderate-M	Strong-H
6					CO2	Relationship between climate change, energy development and economic	Moderate-M	Moderate-M	Strong-H	Moderate-M	Moderate-M
6					CO3	Analyze the impact of climate change and its linkages to resource use and	Strong-H	Moderate-M	Moderate-M	Strong-H	Moderate-M
6					CO4	Understand the global carbon market scenario and its importance to regional market mechanisms and	Strong-H	Strong-H	Moderate-M	Moderate-M	Moderate-M
6					CO5	Formulate responses for mitigating business risks from climate change	Strong-H	Moderate-M	Strong-H	Moderate-M	Moderate-M
7	SEM I	0202430107 - PP	T2442	Environment Impact	CO1	Students will be able to understand and perform the EIA process with	Strong-H	Moderate-M	Moderate-M	Strong-H	Strong-H
7					CO2	Students will be able to compare the Indian EIA process with other developing and developed countries	Strong-H	Moderate-M	Moderate-M	Moderate-M	Strong-H
7					CO3	To demonstrate and execute the process, applications and institutional mechanism involved in EIA system for energy and environment sector	Moderate-M	Strong-H	Moderate-M	Strong-H	Strong-H
7					CO4	Able to critically analyze the EIA challenges and issues in Indian context	Strong-H	Strong-H	Weak-L	Weak-L	Strong-H
7					CO5	Students will be able to apply the methodologies of EIA for execution process	Strong-H	Strong-H	Weak-L	Strong-H	Strong-H

8	SEM I	0202430108 - PP	T6075	Managerial Economics	CO1	Ability to understand basic functions of the economy and market	Strong-H	Moderate-M	Weak-L	Moderate-M	Strong-H
8					CO2	Evaluate and differentiate markets and analyze product and price functions	Moderate-M	Moderate-M	Moderate-M	Strong-H	Strong-H
8					CO3	Analyse various cost concepts	Moderate-M	Moderate-M	Moderate-M	Strong-H	Strong-H
8					CO4	Analyze various market structures	Strong-H	Moderate-M	Moderate-M	Moderate-M	Moderate-M
8					CO5	Analyze the role of profit and problem of owner agent dilemma	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Strong-H
9	SEM I	0202430109 - PP	T2572	Human Resource Management	CO1	Remember and recall the basic human resource management functions and	Strong-H	Moderate-M	Strong-H	Moderate-M	Strong-H
9					CO2	Understand and explain concepts of Human Resource Management	Strong-H	Moderate-M	Moderate-M	Strong-H	Strong-H
9					CO3	Apply the concepts learnt in HRM	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H
9					CO4	Execute, implement and demonstrate the concepts learnt in HRM	Strong-H	Moderate-M	Moderate-M	Strong-H	Strong-H
9					CO5	Use, interpret, apply informations and concepts of HRM in new situations	Strong-H	Strong-H	Moderate-M	Strong-H	Strong-H
10	SEM I	0202430110 - PP	T2446	Governance and Corporate Sustainability	CO1	Understand and define the concepts of sustainability for business and industry	Strong-H	Moderate-M	Weak-L	Weak-L	Moderate-M
10					CO2	Explore the relationship between economic , social and environmental dimension of sustainability	Strong-H	Strong-H	Moderate-M	Moderate-M	Moderate-M
10					CO3	Interpret the policy and regulatory framework of corporate sustainability	Weak-L	Moderate-M	Strong-H	Moderate-M	Moderate-M

10					CO4	Choose the appropriate standard for applying the corporate sustainability	Moderate-M	Moderate-M	Strong-H	Strong-H	Moderate-M
10					CO5	Assess various sustainability framework and models for	Weak-L	Moderate-M	Strong-H	Strong-H	Moderate-M
11	SEM I	0202430111 - PP	T2216	Business Statistics	CO1	students will be able to present, analyze and interpret data.	Strong-H	Moderate-M	Moderate-M	Strong-H	Moderate-M
11					CO2	students will be able to apply statistical, analytical skills to enable them to make the optimum decisions.	Strong-H	Strong-H	Strong-H	Moderate-M	Moderate-M
11					CO3	students will be able to calculate different statistical tools and its use in	Moderate-M	Strong-H	Strong-H	Moderate-M	Strong-H
11					CO4	students will be able to draw inferences from samples collected	Strong-H	Strong-H	Strong-H	Moderate-M	Moderate-M
11					CO5	students will be able to understand the significance of univariate and multivariate statistical techniques and their applications in different business domains	Moderate-M	Strong-H	Strong-H	Moderate-M	Strong-H
12	SEM I	0202430112 - PP	T2114	Essentials of Marketing Management	CO1	To understand the basic concepts of marketing	Strong-H	Weak-L	Weak-L	Moderate-M	Moderate-M
12					CO2	To apply the knowledge in various	Strong-H	Moderate-M	Weak-L	Moderate-M	Moderate-M
12					CO3	To understand the market condition through market research	Moderate-M	Weak-L	Strong-H	Moderate-M	Weak-L
12					CO4	To analyze the market condition and work on strategy	Moderate-M	Weak-L	Strong-H	Moderate-M	Moderate-M
12					CO5	To evaluate the global market	Moderate-M	Moderate-M	Moderate-M	Weak-L	Moderate-M

13	SEM I	0202430113 - PP	T2003	Financial Accounting	CO1	Knowledge of the accounting cycle	Moderate-M	Strong-H	Moderate-M	Moderate-M	Strong-H
13					CO2	Ability to evaluate financial results through examination of relevant data (i.e., income statement, balance sheet, cash flow statement and budgets)	Moderate-M	Strong-H	Moderate-M	Strong-H	Moderate-M
13					CO3	Knowledge of accounting principles and techniques	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M
13					CO4	Understanding of basic concepts in financial accounting	Moderate-M	Strong-H	Moderate-M	Strong-H	Moderate-M
13					CO5	Describe the main elements of financial accounting information “assets, liabilities, revenue and	Strong-H	Moderate-M	Moderate-M	Moderate-M	Strong-H
14	SEM I	0202430114 - PP	T4665	Well for Life	CO1	Acquire knowledge and skills for life long participation in physical activity	Strong-H	Strong-H	Moderate-M	Moderate-M	Strong-H
14					CO2	Improving quality of life through	Strong-H	Moderate-M	Strong-H	Moderate-M	Moderate-M
14					CO3	Achieving optimum health benefits	Strong-H	Strong-H	Strong-H	Moderate-M	Moderate-M
14					CO4	To improve physical and mental well-	Strong-H	Moderate-M	Strong-H	Moderate-M	Weak-L
14					CO5	Funday	Strong-H	Moderate-M	Strong-H	Moderate-M	Weak-L
15	SEM I	0202430115 - PP	T2224	Research Methodology	CO1	To enable students comprehend research issues	Weak-L	Weak-L	Strong-H	Weak-L	Weak-L
15					CO2	To identify research questions and formulate research hypothesis.	Weak-L	Weak-L	Strong-H	Weak-L	Weak-L
15					CO3	To introduce various techniques of research design and data collection.	Weak-L	Strong-H	Strong-H	Weak-L	Weak-L

15					CO4	To identify data crunching techniques for qualitative and quantitative	Weak-L	Weak-L	Strong-H	Weak-L	Weak-L
15					CO5	To Conduct research writing in the topic of interest	Weak-L	Weak-L	Strong-H	Weak-L	Weak-L
16	SEM I	0202430116 - PP	T6012	Basic German I	CO1	Speaking skills: Basic communication; usage of colloquial language e.g. introducing oneself and others, ordering in a restaurant, booking tickets, describing the way, shopping, expressing likes and	Moderate-M	Weak-L	Moderate-M	Weak-L	Moderate-M
16					CO2	Reading skills: Comprehending the gist of simple texts related to everyday life, selective and global understanding of texts, highlighting the cultural aspects etc.	Moderate-M	Weak-L	Strong-H	Weak-L	Strong-H
16					CO3	Listening skills: Can understand simple authentic audio texts, pronunciation, accent, intonation, simple sentences, common structures and words from important everyday situations (e.g. basic personal and family information, shopping, local	Moderate-M	Strong-H	Weak-L	Moderate-M	Weak-L
16					CO4	Writing skills: Ability to construct simple sentences related to oneself as well as others, filling official forms, etc.	Moderate-M	Strong-H	Weak-L	Weak-L	Moderate-M
16					CO5	Grammar: Exposure to some simple aspects and rules of grammar in order to facilitate sentence formation.	Moderate-M	Strong-H	Weak-L	Moderate-M	Weak-L
17	SEM I	0202430117 - PP	T6014	Basic French I	CO1	To speak basic French	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M

17					CO2	To understand basic French	Moderate-M	Moderate-M	Strong-H	Moderate-M	-
17					CO3	To write basic French	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M
17					CO4	To read basic French	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M
17					CO5	To listen basic French	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M
18	SEM I	0202430118 - PP	T6016	Basic Spanish I	CO1	To speak basic Spanish	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M
18					CO2	To understand and listen basic Spanish	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M
18					CO3	To read basic Spanish	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M
18					CO4	To write basic Spanish	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M
18					CO5	To speak basic Japanese	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M
19	SEM I	0202430119 - PP	T6674	Basic Japanese I	CO1	Speaking skills: Basic communication; usage of colloquial language e.g. introducing oneself and others, ordering in a restaurant, booking tickets, describing the way, shopping, expressing likes and dislikes using simple and general-	Strong-H	Strong-H	Moderate-M	Moderate-M	Moderate-M
19					CO2	Reading skills: Comprehending the gist of simple texts related to everyday life, selective and global understanding of texts, highlighting	Moderate-M	Strong-H	Moderate-M	Strong-H	Moderate-M
19					CO3	Listening skills: Can understand simple authentic audio texts, pronunciation, accent, intonation, simple sentences, common structures and words from important everyday situations (e.g. basic personal and	Strong-H	Moderate-M	Moderate-M	Strong-H	Strong-H

19					CO4	Writing skills: Ability to construct simple sentences related to oneself as well as others, filling official forms, etc.	Strong-H	Strong-H	Moderate-M	Moderate-M	Weak-L
19					CO5	Grammar: Exposure to some simple aspects and rules of grammar in order to facilitate sentence formation.	Moderate-M	Moderate-M	Strong-H	Moderate-M	Strong-H
20	SEM II	0202430201 - PP	TM2095	Energy Audit and Energy Management	CO1	Students should be able to categorise the electrical and thermal energy systems.	Strong-H	Weak-L	Strong-H	Moderate-M	Moderate-M
20					CO2	Students should be able to compare Energy Conservation Potential & Opportunities available in energy systems from an energy intensive industry perspective.	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M
20					CO3	Formulate sectoral energy audit plans and processes suitable for specific industries and organisations.	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H
21	SEM II	0202430202 - PP	TM2110	Environment Management Systems and Auditing	CO1	Students will be able to understand and demonstrate concept of EMS and ISO standard	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M
21					CO2	Students will be able to plan EMS related activities as per the requirements.	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M
21					CO3	Students will be able to analyze and evaluate information as per the ISO standard and challenges in a company	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M
21					CO4	Students will be able to develop EMS for any process as per the requirement	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M

21					CO5	Student will be able to apply the knowledge of ISO 14001 in documentation and audit activities.	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M
22	SEM II	0202430203 - PP	TM2111	ESG and Sustainable Finanace	CO1	To describe the fundamentals of Environmental, Social and Governance for	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M
22					CO2	To explain the concept of stakeholders , processes and	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M
22					CO3	To evaluate the risks and opportunities in ESG engagement	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M
22					CO4	To understand the materiality process and methodologies in organisations	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M
22					CO5	To evaluate ESG processes for investor opportunities	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M
23	SEM II	0202430204 - PP	T2006	Cost Accounting	CO1	Describe how cost accounting is used for decision making and performance	Weak-L	Weak-L	Moderate-M	Moderate-M	Strong-H
23					CO2	Explain the basic concept of cost and how costs are presented in financial	Weak-L	Weak-L	Strong-H	Weak-L	Weak-L
23					CO3	Demonstrate how materials, labor and overhead costs are added to a product at each stage of the production cycle	Weak-L	Weak-L	Strong-H	Weak-L	Weak-L
23					CO4	Discuss the methods and techniques	Weak-L	Weak-L	Strong-H	Weak-L	Weak-L
23					CO5	To apply the concepts in managerial planning, decision making&	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M
24	SEM II	0202430205 - PP	T2385	Export Import Management	CO1	Apply knowledge of Export and Import in formulating strategies in	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M
24					CO2	Identify factors affecting foreign trade policies, especially with focus on the	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M

24					CO3	Analyze the basic operation of the components of a logistic system	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M
24					CO4	Evaluate on the potential Export Import Business & Job Opportunities	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M
24					CO5	Can Create their own Export-Import	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M
25	SEM II	0202430206 - PP	T2034	Financial Management	CO1	Develop an analytical/practical approach to corporate fin decision	Strong-H	Strong-H	Moderate-M	Strong-H	Strong-H
25					CO2	Apply & analyse the concepts in real life situations.	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H
25					CO3	Evaluate various theories related to	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H
25					CO4	Analyze the financial performance of the companies from the financing	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H
25					CO5	Critically evaluate the project feasibility from the finance manager	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H
26	SEM II	0202430207 - PP	T2387	Global Business Environment	CO1	Analyze the basic macroeconomic relationships as they affect the behavior of firm in the international	Strong-H	Moderate-M	Strong-H	Strong-H	Strong-H
26					CO2	Compare and contrast how businesses and managers match decisions for creating competitive advantage in the	Strong-H	Moderate-M	Strong-H	Moderate-M	Strong-H
26					CO3	Interpret international issues for designing corporate strategies in a fast changing global environment.	Strong-H	Moderate-M	Strong-H	Moderate-M	Moderate-M
26					CO4	To analyse the various market entry	Strong-H	Strong-H	Strong-H	Moderate-M	Strong-H
26					CO5	To develop the required skills to deal in global market	Moderate-M	Strong-H	Moderate-M	Strong-H	Moderate-M

27	SEM II	0202430208 - PP	T2528	Management of Operations	CO1	Understand the concepts, principles, and problems of operations management, apply various operations management and quality management techniques to understand and improve the execution of Operations of an Organization.	Moderate-M	Strong-H	Strong-H	Moderate-M	Strong-H
27					CO2	Apply various tools and techniques to determine the choice of facility locations and determine facility layouts, plan and schedule day to day	Strong-H	Strong-H	Moderate-M	Moderate-M	Moderate-M
27					CO3	Select and use the most appropriate methods and tools for the solution of problems related to materials management including stocking and handling, supplier development and	Moderate-M	Strong-H	Strong-H	Strong-H	Strong-H
27					CO4	Understand the importance of maintenance - beyond just being a technical issue , the difference between preventive and breakdown maintenance, and apply most widely used maintenance management tools	Strong-H	Moderate-M	Strong-H	Moderate-M	Strong-H
27					CO5	To understand the strategic importance of operations	Strong-H	Strong-H	Strong-H	Moderate-M	Strong-H
28	SEM II	0202430209 - PP	T2220	Operations Research	CO1	students will be able to synthesize and solve real life decision making problems in operations industry.	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H
28					CO2	students will be able to capitalize on the power of Operations Research (OR) in resource management .	Moderate-M	Strong-H	Strong-H	Moderate-M	Moderate-M

28					CO3	students will be able to calculate different operations research tools and its use in decision making.	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H
28					CO4	students will be able to formulate decision making models encountered	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H
28					CO5	students will be able to analyze business problems using the power of well- known operational research	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H
29	SEM II	0202430210 - PP	T2573	Organizational Behaviour	CO1	Recall basic Organizational Behavior concepts	Moderate-M	Strong-H	Strong-H	Moderate-M	Strong-H
29					CO2	Identify Individual and Group related issues in organizations	Moderate-M	Moderate-M	Weak-L	Strong-H	Strong-H
29					CO3	Solve Organizational and Human Resource issues ethically	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M
29					CO4	Interpret Organizational Behavior practices appropriately keeping in mind the local and the global context	Strong-H	Moderate-M	Moderate-M	Moderate-M	Moderate-M
29					CO5	Demonstrate an understanding of the changing needs of the organisation	Strong-H	Weak-L	Strong-H	Moderate-M	Moderate-M
33	SEM II	0202430211 - PP	F0001	Introduction to Meta Skill	CO1	Introduction of Meta Skills	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M
33					CO2	Workshop for Detailed Story telling	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M
33					CO3	Details Planning and scheduling	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M
33					CO4	Information about case study and	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M
33					CO5	Revision and Final Presentation	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M

31	SEM II	0202430212 - PP	T2416	Sustainability Standards - Application, Analysis and	CO1	Analysing concepts of corporate sustainability in energy and environment sector for business	Weak-L	Weak-L	Strong-H	Moderate-M	Weak-L
31					CO2	Examine sustainability systems and processes used in industry and their	Moderate-M	Weak-L	Moderate-M	Moderate-M	Weak-L
31					CO3	Categorise global sustainability standards, methodologies and tools and their applications in industry	Weak-L	Moderate-M	Strong-H	Strong-H	Weak-L
31					CO4	Evaluate sustainability models and frameworks for application in Business	Weak-L	Moderate-M	Moderate-M	Strong-H	Weak-L
31					CO5	Develop sustainability assurance procedures for Business reporting	Weak-L	Weak-L	Moderate-M	Moderate-M	Strong-H
32	SEM II	0202430213 - PP	T2513	Marketing Research	CO1	To understand the basic concepts of marketing research	Weak-L	Weak-L	Strong-H	Weak-L	Weak-L
32					CO2	To understand the research process and research design	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M
32					CO3	To apply the concepts of research design in business decision making	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M
32					CO4	To apply various analytical and statistical techniques for problem	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M
32					CO5	To design and implement independent market research project,	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M
30	SEM II	0202430214 - PP	TM2151	Introduction to Electric and hybrid Vehicles	CO1	Critically analyse and reflect upon the appropriateness of future EV infrastructure	Moderate-M	Strong-H	Strong-H	Moderate-M	Strong-H
30					CO2	Develop profitable e-mobility	Moderate-M	Strong-H	Moderate-M	Strong-H	Strong-H

34	SEM II	0202430215 - PP	T4005	Integrated Disaster Management	CO1	To enable students to understand various types of disasters, their preparedness , and management.	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M
34					CO2	To instill knowledge on reducing disasters and capacity building	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M
34					CO3	To train students to perform First aid and CPR in an emergency.	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H
34					CO4	Emergency methods for carrying casualties, Rescue operations in different types of Emergencies, Rescue operations in different types	Strong-H	Moderate-M	Strong-H	Strong-H	Strong-H
34					CO5	Accident Prevention, Reporting, Registration Investigation	Strong-H	Strong-H	Moderate-M	Strong-H	Strong-H
35	SEM II	0202430216 - PP	T6013	Basic German II	CO1	Insight about German culture and society	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H
35					CO2	Utilize effective communication	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H
35					CO3	Assess and communicate information	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H
35					CO4	Personal and individual development	Moderate-M	Strong-H	Moderate-M	Moderate-M	Strong-H
35					CO5	Identify day to day situations and converse effectively using acquired	Strong-H	Moderate-M	Strong-H	Strong-H	Strong-H
36	SEM II	0202430217 - PP	T6015	Basic French II	CO1	Insight about French culture and society	Strong-H	Strong-H	Strong-H	Moderate-M	Strong-H
36					CO2	Utilize effective communication	Moderate-M	Strong-H	Moderate-M	Strong-H	Moderate-M
36					CO3	Assess and communicate information	Strong-H	Moderate-M	Strong-H	Moderate-M	Strong-H
36					CO4	Identify day to day situations and converse effectively using acquired	Strong-H	Strong-H	Moderate-M	Moderate-M	Strong-H

36					CO5	Personal and individual development	Moderate-M	Strong-H	Strong-H	Moderate-M	Strong-H
37	SEM II	0202430218 - PP	T6017	Basic Spanish II	CO1	Insight about French culture and society	Strong-H	Moderate-M	Strong-H	Moderate-M	Strong-H
37					CO2	Utilize effective communication	Strong-H	Strong-H	Strong-H	Moderate-M	Strong-H
37					CO3	Assess and communicate information	Strong-H	Strong-H	Weak-L	Strong-H	Strong-H
37					CO4	Personal and individual development	Strong-H	Moderate-M	Weak-L	Weak-L	Moderate-M
37					CO5	Identify day to day situations and converse effectively using acquired	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H
38	SEM II	0202430219 - PP	T6675	Basic Japanese II	CO1	introduction to japanese language and scripts including hiragana, katakana,	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H
38					CO2	ability to read , write, and speak in	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H
38					CO3	knowledge of basic japanese language	Strong-H	Strong-H	Moderate-M	Moderate-M	Strong-H
38					CO4	Can read and understand basic level difficulty texts and solve questions	Strong-H	Moderate-M	Moderate-M	Strong-H	Moderate-M
38					CO5	To develop intercultural & communication skills	Moderate-M	Strong-H	Strong-H	Moderate-M	Strong-H
39	Sem III	0202430301 - PP	T2905	Internship	CO1	Provide field based learning and application of course curriculum	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H
39					CO2	Assess business processes through	Strong-H	Moderate-M	Strong-H	Strong-H	Strong-H
39					CO3	tools and methodologies	Strong-H	Strong-H	Moderate-M	Strong-H	Strong-H
39					CO4	Analyze results obtained from	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H
39					CO5	Conduct market research, feasibility assessments through field, desk	Strong-H	Moderate-M	Strong-H	Moderate-M	Strong-H
40	Sem III	0202430302 - PP	T2815	Advanced Energy Management	CO1	Understand the regulatory process in energy Management in India and at	Strong-H	Moderate-M	Moderate-M	Moderate-M	Strong-H

40					CO2	Study the evaluation techniques related to industry energy efficiency and market mechanisms	Moderate-M	Strong-H	Moderate-M	Strong-H	Moderate-M
40					CO3	compare various sectors of industry on energy efficiency parameters	Strong-H	Moderate-M	Strong-H	Moderate-M	Strong-H
55	Sem III	0202430303 - PP	T3392	ERP-Business Process Integration	CO1	To Understand and recognize the significance of Enterprise Resource Planning in the Business perspective and for managers with reference to	Strong-H	Strong-H	Strong-H	Moderate-M	Strong-H
55					CO2	To apply the concepts of ERP using SAP as a platform with Accounting , Materials Managment and Sales business process	Strong-H	Moderate-M	Moderate-M	Strong-H	Strong-H
55					CO3	To analyze the business scenario and implement the Accountinng, Procurement and Sales Process for a IDE company using the selected	Strong-H	Strong-H	Strong-H	Strong-H	Moderate-M
55					CO4	To evaluate various reports, master data and organisation structure for the Accounting, Procurement and Sales process for the selected data set.	Strong-H	Strong-H	Strong-H	Moderate-M	Strong-H
55					CO5	To Apply the concepts to a business case and develop a an ERP implementation roadmap for FICO, MM and SD either on field or in class	Strong-H	Strong-H	Strong-H	Strong-H	Moderate-M
46	Sem III	0202430304 - PP	T2828	Six Sigma	CO1	Describe the concepts of Six Sigma as a quality improvement tool.	Strong-H	Moderate-M	Strong-H	Moderate-M	Moderate-M
46					CO2	Explain the complete DMAIC cycle	Strong-H	Strong-H	Strong-H	Moderate-M	Strong-H
46					CO3	Analyze when and how to use Six Sigma as a tool for process	Moderate-M	Strong-H	Moderate-M	Strong-H	Moderate-M

46					CO4	Analyze different cases of Six Sigma implementation	Moderate-M	Strong-H	Moderate-M	Strong-H	Strong-H
46					CO5	Apply Six Sigma concepts using software systems	Strong-H	Moderate-M	Strong-H	Moderate-M	Moderate-M
42	Sem III	0202430305 - PP	T3517	Energy Analytics	CO1	Understand the linkages between and energy and Information Technology in India and at global level	Moderate-M	Moderate-M	Moderate-M	Strong-H	Moderate-M
42					CO2	Study the techniques related to industry energy efficiency and data analytics through data set mining	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M
42					CO3	Evaluate energy performance of various industry sectors using application of data analytical tools	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Strong-H
42					CO4	Evaluate energy performance of various industry sectors using application of data analytical tools	Strong-H	Strong-H	Moderate-M	Strong-H	Moderate-M
42					CO5	Evaluate energy performance of various industry sectors using application of data analytical tools	Moderate-M	Strong-H	Strong-H	Strong-H	Strong-H
45	Sem III	0202430306 - PP	T2193	Project Management	CO1	Importance of project management in infrastructure projects	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H
45					CO2	Relevance and value of business case, feasibility studies, requirement management nad planning a project	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H
45					CO3	Execution of a project within pre-agreed schedule, cost and quality to meet project requirements	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H
45					CO4	Project procurement and resource	Strong-H	Strong-H	Moderate-M	Strong-H	Strong-H

45					CO5	Project risk and stakeholder	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H
41	Sem III	0202430307 - PP	T2255	Advanced Strategic Management	CO1	Students will be able to evaluate strategic situations and recommend decisions based on analysis using the	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H
41					CO2	Students will be able to evaluate the implementation of strategy and make a choice of suitable tools for strategy	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H
41					CO3	Students will be able to recommend the use of suitable strategic planning methods, approaches for innovation in order to drive competitive	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H
41					CO4	Students will be able to evaluate the existing market conditions and make decisions related to the use of	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H
41					CO5	students will be able to make decisions to create competitive	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H
43	Sem III	0202430308 - PP	T2899	Environmental Life Cycle Assessment	CO1	Students will be able to understand the theory and concepts of Environmental Life cycle Assessment	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H
43					CO2	Students will be able to articulate the benefits of LCA for industries and	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H
43					CO3	Students will be able to recognize environmental impacts of the model	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H
43					CO4	Students will be able to acquire knowledge of the reporting guidelines and terminologies as specified in the ISO 14040- 14044 standards of LCA	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H

43					CO5	Students will be able to apply LCA using software and applications to	Strong-H	Strong-H	Moderate-M	Strong-H	Strong-H
44	Sem III	0202430309 - PP	TM2004	Industrial Safety and Health management	CO1	To understand the basic concepts of EHS values, safety management, and its importance for industries	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H
44					CO2	Students will be able to demonstrate the application of safety management	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H
44					CO3	Students will be able to apply the safe work procedures	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H
44					CO4	Students will be able to evaluate the safety culture development requirements for a company	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H
44					CO5	Students will be able to evaluate the safety programmes and requirements for the companies	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H
50	Sem III	0202430310 - PP	T2443	Oil and Gas Economies	CO1	Analyze the hydrocarbon value chain	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M
50					CO2	Assess the impact of Oil & Gas sourcing (imports) on Indian economy and energy security	Moderate-M	Moderate-M	Strong-H	Moderate-M	Moderate-M
50					CO3	Learn the management of health, safety & environment in the Oil and	Moderate-M	Moderate-M	Moderate-M	Strong-H	Strong-H
50					CO4	Carry out Process/operations mapping of Oil & Gas business	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Strong-H
52	Sem III	0202430311 - PP	T2655	Renewable Energy Project Development and Finance	CO1	Relate various sources of renewable energy to energy security	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H

52					CO2	Compute and predict the renewable energy demand scenario in India	Strong-H	Strong-H	Moderate-M	Strong-H	Strong-H
52					CO3	Describe the fundamentals of various renewable energy conversion	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H
52					CO4	Identify various factors that impact the performance of the different	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H
52					CO5	Carry out field projects in the sector of renewable energy.	Strong-H	Strong-H	Moderate-M	Strong-H	Strong-H
53	Sem III	0202430312 - PP	T2170	Sustainable Supply Chain	CO1	To analyze the different best practices for sustainable supply chain	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H
53					CO2	To define the three building blocks of sustainability.	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H
53					CO3	To demonstrate and analyze the importance of sustainable supply chain practices on business	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H
53					CO4	To construct the tools and techniques of developing sustainable the supply	Strong-H	Strong-H	Moderate-M	Strong-H	Strong-H
53					CO5	To design and develop sustainable supply chain performance	Strong-H	Strong-H	Strong-H	Strong-H	Moderate-M
56	Sem III	0202430313 - PP	T2862	Business Statistics with R	CO1	To enable students to present, analyze and interpret data.	Strong-H	Moderate-M	Strong-H	Moderate-M	Strong-H
56					CO2	To enable students to use concepts of probability in business situations.	Moderate-M	Moderate-M	Strong-H	Moderate-M	Moderate-M
56					CO3	To enable students to make inferences from samples drawn from large	Moderate-M	Moderate-M	Strong-H	Moderate-M	Strong-H
56					CO4	Identify what tool to be used in a given situation for analysis.	Moderate-M	Moderate-M	Strong-H	Moderate-M	Moderate-M

56					CO5	Interpretation of the analysis output in problem language.	Moderate-M	Moderate-M	Strong-H	Moderate-M	Strong-H
49	Sem III	0202410314 - PP	T2415	Green Building and rating	CO1	Categorise various tools and software used for green building for business	Strong-H	Moderate-M	Moderate-M	Moderate-M	Moderate-M
49					CO2	Develop processes towards designing a sustainable cities, green building framework	Moderate-M	Strong-H	Moderate-M	Strong-H	Moderate-M
49					CO3	Compare and contrast national and global green building rating systems	Strong-H	Moderate-M	Strong-H	Strong-H	Strong-H
49					CO4	Compare the various processes involved in evaluating green and energy efficient	Strong-H	Moderate-M	Strong-H	Moderate-M	Strong-H
49					CO5	Evaluate the relevance of green buildings and energy systems	Strong-H	Moderate-M	Strong-H	Moderate-M	Strong-H
48	Sem III	0202410315 - PP	T2152	Business to Business	CO1	To study & apply marketing planning and decision making in B2B Markets	Strong-H	Moderate-M	Moderate-M	Moderate-M	Moderate-M
48					CO2	To analyse & solve actual problems in the form of case studies encounter in today B2B market place.	Moderate-M	Strong-H	Moderate-M	Strong-H	Moderate-M
48					CO3	To understand the best practices in various B2B Marketing Management	Strong-H	Moderate-M	Strong-H	Strong-H	Strong-H
48					CO4	to develop insight into Organizational buying behavior in very competitive	Strong-H	Moderate-M	Strong-H	Moderate-M	Strong-H
48					CO5	to apply the knowledge and skills for devising implementable industrial	Strong-H	Moderate-M	Strong-H	Moderate-M	Strong-H
51	Sem III	0202430316 - PP	T2999	Circular Economy	CO1	Students will understand the foundation principles of the circular	Strong-H	Moderate-M	Strong-H	Moderate-M	Strong-H

51					CO2	Students will be able to apply circular strategies and concepts to real-	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M
51					CO3	Students will acquire the skills to map and identify potential areas for	Moderate-M	Moderate-M	Strong-H	Moderate-M	Moderate-M
51					CO4	Students will be able to evaluate and design circular models for various industries and products.	Moderate-M	Moderate-M	Moderate-M	Strong-H	Strong-H
51					CO5	Students will learn practices and the importance of engaging stakeholders in the transition to circular business	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Strong-H
47	Sem III	0202430317 - PP	T2163	Quality Management	CO1	To acquaint students with importance and relevance of quality as a strategic initiative in both , the manufacturing	Strong-H	Strong-H	Moderate-M	Strong-H	Strong-H
47					CO2	To help the student address quality in terms of business issues .	Strong-H	Moderate-M	Strong-H	Moderate-M	Moderate-M
47					CO3	To expose students to an approach that makes them holistic in their approach thereby creating a global perspective	Strong-H	Strong-H	Strong-H	Moderate-M	Strong-H
47					CO4	To build upon their technical and reasoning capabilities	Strong-H	Strong-H	Moderate-M	Strong-H	Strong-H
47					CO5	To equip student managers to understand how a business operates and design effective manufacturing and service processes	Strong-H	Moderate-M	Weak-L	Weak-L	Moderate-M
57	SEM IV	020243401 - PP	T2703	Dissertation	CO1	Provide students with an opportunity to conduct research using qualitative and quantitative techniques "	Strong-H	Moderate-M	Strong-H	Moderate-M	Strong-H

57					CO2	Assess business processes through experiential learning techniques, tools and research methodologies	Moderate-M	Strong-H	Moderate-M	Strong-H	Moderate-M
57					CO3	Analyze results obtained from interdisciplinary management project	Moderate-M	Strong-H	Moderate-M	Strong-H	Strong-H
57					CO4	Interpret and recommend solutions to emerging issues in management	Strong-H	Moderate-M	Strong-H	Moderate-M	Strong-H
59	SEM IV	020243402 - PP	T2767	Industrial Ecology and Waste Management	CO1	Students will be able to examine existing regulatory policies and frameworks for Industrial ecology	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H
59					CO2	Students will be able to analyse the need of industrial ecology and its role in waste management	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H
59					CO3	Students will be able to critically analyze the waste management methods, challenges and issues in Indian context	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H
59					CO4	Students will be able to create waste management strategies for	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H
59					CO5	Students will be able to define circular economy concept inline with the Industrial ecology concept	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H
58	SEM II	0202430203 - PP	T2814	Business and Natural Capital Management	CO1	Students will be able to develop knowledge for business linkage and natural capital management for	Strong-H	Weak-L	Weak-L	Weak-L	Moderate-M
58					CO2	Students will be able to apply and demonstrate the theories through practical experience in real world	Weak-L	Weak-L	Strong-H	Strong-H	Moderate-M
58					CO3	Students will be able to prepare the biodiversity linked business risks and	Weak-L	Strong-H	Weak-L	Weak-L	Moderate-M

58					CO4	Students will be able to develop the environmental valuation strategies for Business organisation	Weak-L	Weak-L	Strong-H	Moderate-M	Weak-L
58					CO5	Students will be able to create Ecosystem services and valuation of natural capital concepts for business	Moderate-M	Weak-L	Moderate-M	Moderate-M	Weak-L
60	SEM IV	020243404 - PP	T2801	Project	CO1	Provide field-based learning and application of course curriculum	Strong-H	Moderate-M	Moderate-M	Moderate-M	Strong-H
60					CO2	Assess business processes through experiential learning techniques	Strong-H	Moderate-M	Moderate-M	Strong-H	Moderate-M
60					CO3	Use techniques for practical application of industry processes	Strong-H	Moderate-M	Strong-H	Moderate-M	Strong-H
60					CO4	Provide solutions and assessments for need-based industry problem	Strong-H	Moderate-M	Strong-H	Strong-H	Strong-H
60					CO5	Analyze results obtained from interdisciplinary management project	Strong-H	Moderate-M	Strong-H	Moderate-M	Strong-H
61	SEM IV	020243405 - PP	T2403	Business and Social Impact Management	CO1	Students should be able to explain the basic concepts of triple bottom line and its relevance to society, equity	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H
61					CO2	Students should be able to analyse the strategies involve in corporate social activities and their impact on society	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H
61					CO3	Students should be able to organize and assess the social impact of the	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H
61					CO4	Students should be able to compare the business impact on societies and	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H
61					CO5	Students should be able to apply the tools and methodologies of impact	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H

62	SEM IV	020243406 - PP	T2409	Electricity Regulatory Issues and Mechanisms	CO1	Understand past regulation in the Indian Electricity sector	Strong-H	Moderate-M	Moderate-M	Strong-H	Weak-L
62					CO2	Overview of current & Active regulations for the sector.	Strong-H	Moderate-M	Moderate-M	Moderate-M	Strong-H
62					CO3	Overview of proposed reforms in the Indian Electricity sector	Strong-H	Weak-L	Moderate-M	Moderate-M	Moderate-M
62					CO4	Analyze the impact of proposed and current policies on key sector players.	Strong-H	Moderate-M	Strong-H	Moderate-M	Moderate-M
64	SEM IV	020243407 - PP	T2145	Sustainable Marketing	CO1	Understand and apply the sustainability principles in business	Moderate-M	Strong-H	Moderate-M	Strong-H	Moderate-M
64					CO2	Understanding concept theories and framework of environmental sustainability through sustainable	Strong-H	Moderate-M	Strong-H	Moderate-M	Strong-H
64					CO3	Understanding the role of ethics and morality in marketing	Moderate-M	Strong-H	Moderate-M	Strong-H	Moderate-M
64					CO4	Developing insight into the corporate responsibility towards the society	Moderate-M	Strong-H	Moderate-M	Strong-H	Moderate-M
63	SEM IV	020243408 - PP	T2414	Environment Modeling and GIS	CO1	Identify the relevance of Remote Sensing and Geographic Information Systems as decision making tool for Business	Strong-H	Strong-H	Moderate-M	Strong-H	Moderate-M
63					CO2	Examine environmental modeling processes used in Industry with specific reference to energy and	Strong-H	Strong-H	Moderate-M	Strong-H	Strong-H
63					CO3	Analyse the role of GIS in decision making for Business and Industry	Strong-H	Moderate-M	Strong-H	Moderate-M	Strong-H
63					CO4	Evaluate the various models used in RS and GIS tools for business	Strong-H	Moderate-M	Strong-H	Moderate-M	Strong-H

63					CO5	Formulate action plans using RS/GIS based tools for decision making in	Moderate-M	Strong-H	Moderate-M	Strong-H	Moderate-M
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