Y24 COURSE OUTCOMES

S#	Cat	Course	CO	CO Description
1	HAS	23FL3054 - FLG	CO1	Acquire a working knowledge of the basic elements of the French language viz. letters, vowels, accents, articles, useful expressions, etc.
2	HAS	23FL3054 - FLG	CO2	Classify questions and respond in the affirmative or negative with ?tre and avoir and form plurals
3	HAS	23FL3054 - FLG	CO3	Utilize and apply the adjectives and essential verbs.
4	HAS	23FL3054 - FLG	CO4	Construct and use in speech, vocabulary, reading, questions and answers
5	HAS	23FL3055 - GLG	CO1	classify their understanding of greeting wishes, alphabets and numbers learning. to understand the greetings in formal and informal way
6	HAS	23FL3055 - GLG	CO2	Apply their knowledge of essential daily expressions, present, past and future tense. Conjugating the verbs in the Singular and Plural groups, Past participle tense and the futertense and relations with the verbs
7	HAS	23FL3055 - GLG	CO3	Utilize their understanding with suitable prepositions, questions, and possessive pronouns, and the importance of four German cases. Prepositions in Akkusativ and Dativ
8	HAS	23FL3055 - GLG	CO4	Develop their knowledge about how to move in public places, such as shopping centres, restaurants, tourist places, etc, and preparation of them for German A1 level examination.

S#	Cat	Course	CO	CO Description
9	HAS	23FL3058 - JLG	CO1	Classify Hiragana, Katakana, and basic Kanji characters used in greetings and simple scripts
10	HAS	23FL3058 - JLG	CO2	Apply their knowledge of essential daily expressions, numbers, months, dates, time, body parts, colors, and common vocabulary to effectively communicate in basic everyday situations
11	HAS	23FL3058 - JLG	CO3	Utilize their understanding of present, past, and future tenses, along with the ability to construct interrogative sentences, to express themselves in various timeframes and ask questions effectively in different conversational contexts. pen_spark
12	HAS	23FL3058 - JLG	CO4	Develop their knowledge of verbs, including negative conjugations, and prepositions to discuss hobbies, deliver self-introductions, and navigate basic interview scenarios in Japanese
13	HAS	23MB0001 - BME	CO1	Understand the basic concepts of marketing management
14	HAS	23MB0001 - BME	CO2	Understand the concepts of Marketing environment, consumer behaviour and Segmentation, Targeting and Positioning (STP)
15	HAS	23MB0001 - BME	CO3	Apply the marketing mix strategies with special focus on technology products
16	HAS	23MB0001 - BME	CO4	Apply promotion and distribution strategies for marketing of high tech products and services
17	HAS	23MB0002 - PIMT	CO1	Understand the basic management concepts along with an insight into levels of management
18	HAS	23MB0002 - PIMT	CO2	Understand the key contributions of classical approach to Management

S#	Cat	Course	CO	CO Description
19	HAS	23MB0002 - PIMT	CO3	Understand and apply Quantitative methods to improve Management performance.
20	HAS	23MB0002 - PIMT	CO4	Understand the key contributions of Behavioural and contemporary approaches to Management.
21	HAS	23MB0003 - FMFE	CO1	Understanding the comprehension of finance functions and diverse business models to facilitate informed decision-making processes within financial management.
22	HAS	23MB0003 - FMFE	CO2	Analyzing the investment decisions through an understanding of capital budgeting techniques, both traditional and modern, emphasizing long-term implications.
23	HAS	23MB0003 - FMFE	CO3	Analyze and make informed decisions regarding working capital management, considering the short-term financial health of organizations through practical case studies.
24	HAS	23MB0003 - FMFE	CO4	Developing proficiency in comprehending and utilizing various sources of finance while discerning the implications of different dividend policies in practical financial scenarios.
25	HAS	23MB4067 - IMPP	CO1	Understand the basic management concepts along with an insight into production and control
26	HAS	23MB4067 - IMPP	CO2	Select best forecasting models to predict future demand
27	HAS	23MB4067 - IMPP	CO3	Solve various production scheduling problems to optimize productivity

S#	Cat	Course	CO	CO Description
28	HAS	23MB4067 - IMPP	CO4	Understand concept of Inventory control, Method study and time study
29	HAS	23UC0026 - HGP	CO1	Understanding the basic concepts of value education
30	HAS	23UC0026 - HGP	CO2	Gain basic understanding of the principles in harmony among the human beings
31	HAS	23UC0026 - HGP	CO3	Gain knowledge in the concept of Harmony in the family and society
32	HAS	23UC0026 - HGP	CO4	Acquire knowledge in the concepts of harmony in the nature
33	HAS	23UC0027 - LAMS	CO1	Understand basic leadership, skills and perspectives and leadership styles
34	HAS	23UC0027 - LAMS	CO2	Understand different managerial skills and apply them to develop high performance teams
35	HAS	23UC0027 - LAMS	CO3	Analyse effective communicative strategies and apply them in team tasks
36	HAS	23UC0027 - LAMS	CO4	Apply strategic planning fundamentals and decision-making techniques, through exercises and case studies
37	HAS	24UC1102 - LSE	CO1	Understand the essential listening, speaking, and reading skills, preparing them for effective communication in various personal and professional contexts.
38	HAS	24UC1102 - LSE	CO2	Apply essential writing and non-verbal communication skills, preparing them for effective written and non-verbal interactions in various personal and professional contexts
39	HAS	24UC1203 - DTI	CO1	Understand the importance of Design thinking mindset for identifying contextualized problems

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40	HAS	24UC1203 - DTI	CO2	Analyze the problem statement by empathizing with user
41	HAS	24UC1203 - DTI	CO3	Develop ideation and test the prototypes made
42	HAS	24UC1203 - DTI	CO4	Explore the fundamentals of entrepreneurship skills for transforming the challenge into an opportunity
43	HAS	24UC1204 - CSFE	CO1	Understand the essential career skills, including resume writing, interview techniques, group discussions, and exploring career opportunities, preparing them for successful career advancement.
44	HAS	24UC1204 - CSFE	CO2	Apply a comprehensive understanding of essential team skills, preparing them for successful collaboration and contribution in professional team environments.
45	BSC	23ME1005 - MSM	CO1	Understand crystallography and various material testing methods to solve the relevant problems.
46	BSC	23ME1005 - MSM	CO2	Distinguish and analyze various types of materials based on their engineering applications.
47	BSC	23ME1005 - MSM	CO3	Apply the concepts of cooling curves and phase diagrams.
48	BSC	23ME1005 - MSM	CO4	Analyze various heat treatment processes and their strengthening mechanisms.
49	BSC	23ME1005 - MSM	CO5	Gain hands on experience to conduct various experiments of metallograpy and heat treatment process practically.

S#	Cat	Course	CO	CO Description
50	BSC	23MT1001 - LACE	CO1	Apply matrix algebra to the real-world applications in engineering, physical and biological sciences, computer science, finance, economics and solving the system of equations.
51	BSC	23MT1001 - LACE	CO2	Apply multivariate differential calculus to find maxima & minima of functions and understand the concepts of second order differential equations and its applications.
52	BSC	23MT1001 - LACE	CO3	Apply beta and gamma functions to evaluate improper integrals. Evaluate double and triple integrals techniques over a region in two dimensional and three-dimensional geometry.
53	BSC	23MT1001 - LACE	CO4	interpret the physical meaning of different operators such as gradient, curl and compute the line integrals of vector functions and learn their applications.
54	BSC	23MT2010 - CAMS	CO1	Apply various approximate methods to solve problems in structural mechanics and to provide simplicity involved in Finite Element Method.
55	BSC	23MT2010 - CAMS	CO2	Apply Galerkin method for solving problems on heat transfer, torsion, and fluid flow
56	BSC	23MT2010 - CAMS	CO3	Analyze dynamic problems for longitudinal and transverse vibration of beam, and critical load estimation of columns to Engineering Devices.
57	BSC	23MT2010 - CAMS	CO4	Analyze the experimental data using simple and useful methods of Statistics
58	BSC	23MT2011 - OTQ	CO1	Identify Optimum solutions for various single objective problems using Linear Programming models

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59	BSC	23MT2011 - OTQ	CO2	Identify Optimum Solutions through Transportation and Assignment models
60	BSC	23MT2011 - OTQ	CO3	Identify Optimum Solutions through Queuing theory and Dynamic Programming models
61	BSC	23MT2011 - OTQ	CO4	Solve project management problems using CPM and PERT
62	BSC	24CY1001 - ECY	CO1	Apply the operation of electrochemical systems to produce electric energy and storage devices.
63	BSC	24CY1001 - ECY	CO2	Apply the fundamental aspects of electrochemistry and materials science relevant to corrosion phenomena.
64	BSC	24CY1001 - ECY	CO3	Examine water quality and apply appropriate purification technique for intended problem
65	BSC	24CY1001 - ECY	CO4	Employ the fundamental principles and general properties of materials in various engineering applications.
66	BSC	24CY1001 - ECY	CO5	Analyse the data, develop skills in chemical analysis and their application in engineering.
67	ESC	23EC1203 - BEEC	CO1	Understand the basic concepts of circuits and its fundamentals
68	ESC	23EC1203 - BEEC	CO2	Grasp the principles of AC circuits, including sinusoidal waveforms, impedance, and power factor.
69	ESC	23EC1203 - BEEC	CO3	Comprehend the behavior of basic electronic components, such as diodes, and transistors.
70	ESC	23EC1203 - BEEC	CO4	Understand the basic functional Principles of analog and digital ICs.

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71	ESC	23ME1001 - EM	CO1	Apply the concept of forces, governing static equations, and analyze the planar system of forces.
72	ESC	23ME1001 - EM	CO2	Use analytical techniques for analyzing forces in statically determinate structures.
73	ESC	23ME1001 - EM	CO3	Apply the concepts of planar and non-planar system of parallel forces and estimate the moment of inertia for lamina and material bodies.
74	ESC	23ME1001 - EM	CO4	Apply fundamental concepts of kinematics and kinetics of particles to solve simple practical problems.
75	ESC	23ME1002 - EG	CO1	Enumerating engineering curves, Listing various geometries and descriptions on multiple scales.
76	ESC	23ME1002 - EG	CO2	Apply the concept of first-angle and third-angle projection,
77	ESC	23ME1002 - EG	CO3	Demonstrate sectional view and sketching in modern tools.
78	ESC	23ME1002 - EG	CO4	Apply the engineering design process to real world problems
79	ESC	23ME1004 - WPE	CO1	Prepare carpentry joints, fitting trade fits, tin-smithy components, and house wiring.
80	ESC	23ME1004 - WPE	CO2	Prepare mould cavities, perform lathe, drill, grinding operations, create welding joints, and CNC programs.
81	ESC	23ME1103 - DTW	CO1	Demonstrate proficiency in typing sentence , paragraph , report , presentations along spread sheets using office tools, LaTeX tools and PowerBI

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82	ESC	23ME1103 - DTW	CO2	Build a static website and blog with using html along with Special features of HTML5, CSS and Javascript
83	ESC	23ME1103 - DTW	CO3	Develop a virtual environment with cospace and construct a marker based Augumented Reality
84	ESC	23ME1103 - DTW	CO4	Utilising the softwares of Autodesk Fusion 360 and the same can be printed in 3D printer as physical prototype
85	ESC	24AD2001R - AIML	CO1	Apply a variety of artificial intelligence algorithms and techniques to effectively solve complex problems in diverse real-world environments
86	ESC	24AD2001R - AIML	CO2	Demonstrate proficiency in formulating and solving constraint satisfaction problems, employing knowledge engineering principles to perform inferencing, reasoning and probability theory.
87	ESC	24AD2001R - AIML	CO3	Proficient in understanding and applying various machine learning techniques to analyze and solve real-world problems
88	ESC	24AD2001R - AIML	CO4	Demonstrate proficiency in advanced supervised learning techniques and unsupervised learning techniques to solve complex real-world problems.
89	ESC	24AD2001R - AIML	CO5	Build solutions for various AI & ML related problems
90	ESC	24SC1102 - CTP	CO1	Apply the concepts of Basic Data types, Operators, Decision and Looping Control Statements, Strings to solve real world problems

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91	ESC	24SC1102 - CTP	CO2	Apply the methods to create and manipulate python programs on the complex data structures like lists, tuples, sets, dictionaries
92	ESC	24SC1102 - CTP	CO3	Apply the concepts of object-oriented programming, call by value & call by reference, recursion to enhance the code design flexibility
93	ESC	24SC1102 - CTP	CO4	Apply the robust approaches such as exception handling, file handling, interfaces, packages, threads for resilience code crafting
94	ESC	24SC1102 - CTP	CO5	Design, implement, and evaluate Python programs using basic data types, variables, expressions, conditional statements, loops, functions, built-in data structures, object-oriented programming concepts, Python libraries and modules, debugging techniques, and file I/O to solve programming problems.
95	ESC	24SC1102 - CTP	CO6	Analyse requirements and design to implement lab-based project with SDLC in a group of students and apply object-oriented programming concepts to write programs
96	ESC	24SC1204 - DSP	CO1	Analyze and measure efficiency of algorithms
97	ESC	24SC1204 - DSP	CO2	Develop and analyze different Sorting Algorithms along with stacks and queues
98	ESC	24SC1204 - DSP	CO3	Develop and Analyze different Trees and their applications.
99	ESC	24SC1204 - DSP	CO4	Develop and Analyze different Hashing techniques and priority queues
100	ESC	24SC1204 - DSP	CO5	Implement Data Structures concepts by Analyzing requirements of a problem and design to implement lab-based project

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101	ESC	24SC1204 - DSP	CO6	Implement Data Structures concepts by Analyzing requirements of a problem SKILL BASED PROBLEMS
102	ESC	24SC2105O - CTOD	CO1	Apply Object oriented paradigm for code reusability
103	ESC	24SC2105O - CTOD	CO2	Design object-oriented solutions to the real-world problems through SOLID design principles
104	ESC	24SC2105O - CTOD	CO3	Design object-oriented solutions to the real-world problems through SOLID design principles
105	ESC	24SC2105O - CTOD	CO4	Demonstrate Exception handling and String manipulation techniques
106	ESC	24SC2105O - CTOD	CO5	Design solutions to real time problems by using object-oriented programming concepts.
107	ESC	24SC2105O - CTOD	CO6	Design GUI based applications for real time problems
108	PCC	23ME2106R - MOS	CO1	Analyze stresses in members with axial loading or torsion?
109	PCC	23ME2106R - MOS	CO2	nalyze members with multi axial loading and lateral loading?
110	PCC	23ME2106R - MOS	CO3	Analyze deflections and stresses in beams?
111	PCC	23ME2106R - MOS	CO4	Analyse columns and pressure vessels?
112	PCC	23ME2106R - MOS	CO5	Apply the theoretical concepts to conduct various experiments of strength of materials practically and analyze the data?
113	PCC	23ME2107 - TD	CO1	Examine the basic terminology used in thermodynamics
114	PCC	23ME2107 - TD	CO2	Apply first law of thermodynamics to various flow and non-flow processes.

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115	PCC	23ME2107 - TD	CO3	Apply second law of thermodynamics and principle of entropy to Engineering Devices
116	PCC	23ME2107 - TD	CO4	Apply thermodynamic principles to estimate the performance of different air standard cycles and different psychrometric processes
117	PCC	23ME2116R - FMHM	CO1	Apply the knowledge of fluid properties and the laws of fluidstatics to estimate the total pressure, Centre of pressure andforces on submerged and floating bodies
118	PCC	23ME2116R - FMHM	CO2	Apply continuity, Euler and Bernoulli equations and estimatedifferent flow measuring devices
119	PCC	23ME2116R - FMHM	CO3	Apply continuity, Euler and Bernoulli equations and estimatedifferent flow measuring devices
120	PCC	23ME2116R - FMHM	CO4	Analyze the performance of hydraulic turbines and pumps usingvelocity triangles and model similitude.
121	PCC	23ME2116R - FMHM	CO5	Conduct experiments to verify and apply various fluid flowprinciples and performance evaluation of various hydraulicmachines like turbines and pumps
122	PCC	23ME2208 - MP	CO1	Identify the casting processes
123	PCC	23ME2208 - MP	CO2	Select the appropriate welding processes
124	PCC	23ME2208 - MP	CO3	Apply principles of cold/hot forming processes
125	PCC	23ME2208 - MP	CO4	Utilize sheet metal processes and design sheet metal dies
126	PCC	23ME2208 - MP	CO5	Fabricate the parts using manufacturing processses

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127	PCC	23ME2209R - KDOM	CO1	Apply the basic principles and concepts of kinematics and mobility of the mechanisms.
128	PCC	23ME2209R - KDOM	CO2	Analyze and kinematic design of mechanisms and machines using velocity and? acceleration analysis.
129	PCC	23ME2209R - KDOM	CO3	Apply principles of cams to draw cam profiles and understand gear systems and gear trains for various applications.
130	PCC	23ME2209R - KDOM	CO4	Understand the principles of balancing and vibrations and analyze gyroscopic effect on naval ships and automobiles.
131	PCC	23ME2209R - KDOM	CO5	Apply and analyze the concepts learned in theory to perform experiments related to mechanisms and machines using the ADAMS simulation software for data analysis.
132	PCC	23ME3110R - HT	CO1	Apply Fourier law of conduction and combined conduction convection concepts to 1-D heat transfer problems
133	PCC	23ME3110R - HT	CO2	Analyze heat transfer through extended surfaces and apply unsteady state heat transfer to various systems
134	PCC	23ME3110R - HT	CO3	Apply the emperical correlations for solving convection heat transfer and heat transfer through during phase change problems
135	PCC	23ME3110R - HT	CO4	Analyze various types of heat exchangers by applying the principles of conduction, convection, radiation
136	PCC	23ME3110R - HT	CO5	Analyze various parameters of heat transfer in different thermal systems physically/numerically

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137	PCC	23ME3111R - MED	CO1	Apply engineering design phases and general considerations to design any machine component
138	PCC	23ME3111R - MED	CO2	Apply the mechanical behavior of engineering materials concept to solve any material failure problem
139	PCC	23ME3111R - MED	CO3	Analyse the machine components for static strength
140	PCC	23ME3111R - MED	CO4	Analyse the machine components for fatigue strength
141	PCC	23ME3112 - TSE	CO1	Identify the properties of pure substances at various pressures and temperatures and apply those to evaluate the performance Of a vapour power cycle.
142	PCC	23ME3112 - TSE	CO2	Model the convergent-divergent steam nozzle dimensional parameters and identify the performance of a steam condenser
143	PCC	23ME3112 - TSE	CO3	Apply the principles of thermodynamics to determine the performance of Si and CI engines
144	PCC	23ME3112 - TSE	CO4	Choose various refrigeration cycles by identifying their performance. Apply psychrometry properties to calculate various air-conditioning process parameters.
145	PCC	23ME3112 - TSE	CO5	Analyze internal & external fluid flows in steady state and transient heat transfer systems.
146	PCC	23ME3113R - MT	CO1	Utilize the concept of metal cutting processes
147	PCC	23ME3113R - MT	CO2	Select appropriate machine tool to prepare desired objects

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148	PCC	23ME3113R - MT	CO3	Make use of non-traditional machining processes
149	PCC	23ME3113R - MT	CO4	Construct the automation of production lines
150	PCC	23ME3113R - MT	CO5	Apply the concepts of modern manufacturing processes
151	PCC	23ME3214R - MD	CO1	Analyze transmission shafts, couplings and springs for given design conditions
152	PCC	23ME3214R - MD	CO2	Analyze welding,bolted fastening systems for given design conditions
153	PCC	23ME3214R - MD	CO3	Analyze and select the appropriate bearings, belt drives and chain drives for given working conditions
154	PCC	23ME3214R - MD	CO4	Analyze the spur and helical gears, band and block brakes for given working conditions
155	PCC	23ME3214R - MD	CO5	Simulate and Evaluate a virtual/functional prototype
156	PCC	23ME3215 - DMR	CO1	Describe the digital manufacturing framework, covering CNC fundamentals, Additive Manufacturing processes, solid modeling, 3D scanning, and AM applications
157	PCC	23ME3215 - DMR	CO2	Explain the functions of basic robot components and apply them across various robot types and drive systems in diverse applications.
158	PCC	23ME3215 - DMR	CO3	Apply image processing techniques for robot vision, including sensor principles and applications such as inspection and navigation.

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159	PCC	23ME3215 - DMR	CO4	Understand and apply various robot programming languages (VAL, AML, RAIL) for motion, sensor, and end effector commands, and kinematics principles.
160	PRI	23IE2040 - SIP	CO1	Remember the fundamentals of the science of water cycle along with powerful tools that students can use to diagnose the health of the local water cycle as well as develop targeted action plans to restore the local natural water cycle and bring water prosperity
161	PRI	23IE2040 - SIP	CO2	Remember the water sustainability and water resilience of village, city, residential facilities and households using multi-level water scorecards
162	PRI	23IE2040 - SIP	CO3	Apply the design thinking positive action plan for a village, campus, residential facility and community neighbourhood.
163	PRI	23IE2040 - SIP	CO4	Apply the water positive solutions within an urban watershed, a rural watershed, residential institutional and corporate community
164	PRI	23IE3041 - TIP	CO1	Ability to demonstrate the impact of academic skills and logical thinking
165	PRI	23IE3041 - TIP	CO2	Ability to integrate existing and new technical knowledge for industrial application
166	PRI	23IE3041 - TIP	CO3	Ability to demonstrate the impact of the internship on their learning and professional development
167	PRI	23IE3041 - TIP	CO4	Demonstrate the ability to harness resources by analyzing challenges

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168	PRI	23IE4042 - IIP	CO1	Apply fundamental engineering/technology knowledge to solve real-world industrial problems.
169	PRI	23IE4042 - IIP	CO2	Demonstrate effective communication and Technical skills in a professional setting.
170	PRI	23IE4042 - IIP	CO3	Collaborate effectively in a team environment.
171	PRI	23IE4048 - EPJ	CO1	Literature search equips students with the ability to efficiently locate, evaluate, and synthesize academic and scholarly sources relevant to their field of study. Students will develop skills to conduct comprehensive searches, critically assess the credibility of sources, and apply research findings to support their academic or professional work.
172	PRI	23IE4048 - EPJ	CO2	Problem identification enables students to accurately recognize and define complex issues or challenges within a given context. Students will learn to analyze situations critically, identify underlying causes, and articulate clear problem statements that guide effective problem-solving strategies.
173	PRI	23IE4048 - EPJ	CO3	Analysis of research work prepares students to critically evaluate and interpret research studies, assessing the methodology, data, and conclusions. Students will develop the ability to dissect research findings, identify strengths and weaknesses, and draw informed conclusions that contribute to their own academic or professional endeavors.

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174	PRI	23IE4048 - EPJ	CO4	Evaluation of research work trains students to systematically assess the quality and relevance of research studies by examining their design, methodology, and overall contributions to the field. Students will gain the skills to judge the validity, reliability, and impact of research, enabling them to make informed decisions and provide constructive feedback in academic or professional contexts.
175	PRI	23IE4051 - IIP-1	CO1	Apply theoretical knowledge to practical tasks in an industrial setting, ensuring that academic concepts are effectively translated into real-world applications.
176	PRI	23IE4051 - IIP-1	CO2	Build problem-solving skills in real-world industrial projects by identifying challenges, brainstorming potential solutions, and implementing strategies to overcome obstacles.
177	PRI	23IE4051 - IIP-1	CO3	Analyze the industry-standard tools and techniques to complete assigned tasks with precision, staying updated with the latest advancements and best practices in the field.
178	PRI	23IE4051 - IIP-1	CO4	Examine and interpret data collected during the internship to enhance process efficiency and effectiveness, utilizing statistical methods and data analytics to derive actionable insights and recommendations.
179	PRI	23IE4052 - IIP-2	CO1	Apply theoretical knowledge to practical tasks in an industrial setting, ensuring that academic concepts are effectively translated into real-world applications.

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180	PRI	23IE4052 - IIP-2	CO2	Build problem-solving skills in real-world industrial projects by identifying challenges, brainstorming potential solutions, and implementing strategies to overcome obstacles.
181	PRI	23IE4052 - IIP-2	CO3	Analyze the industry-standard tools and techniques to complete assigned tasks with precision, staying updated with the latest advancements and best practices in the field.
182	PRI	23IE4052 - IIP-2	CO4	Examine and interpret data collected during the internship to enhance process efficiency and effectiveness, utilizing statistical methods and data analytics to derive actionable insights and recommendations.
183	PRI	23IE4053R - CP-1	CO1	Exercise to acquire knowledge within the chosen area of technology for project development.
184	PRI	23IE4053R - CP-1	CO2	Identify, discuss and justify the technical aspects of the chosen area for problem analysis
185	PRI	23IE4053R - CP-1	CO3	Reproduce, improve and refine technical aspects for chosen problem
186	PRI	23IE4053R - CP-1	CO4	Communicate and report effectively project related activities and findings.
187	PRI	23IE4054R - CP-2	CO1	Literature search equips students with the ability to efficiently locate, evaluate, and synthesize academic and scholarly sources relevant to their field of study. Students will develop skills to conduct comprehensive searches, critically assess the credibility of sources, and apply research findings to support their academic or professional work.

S#	Cat	Course	CO	CO Description
188	PRI	23IE4054R - CP-2	CO2	Problem identification enables students to accurately recognize and define complex issues or challenges within a given context. Students will learn to analyze situations critically, identify underlying causes, and articulate clear problem statements that guide effective problem-solving strategies.
189	PRI	23IE4054R - CP-2	CO3	Analysis of research work prepares students to critically evaluate and interpret research studies, assessing the methodology, data, and conclusions. Students will develop the ability to dissect research findings, identify strengths and weaknesses, and draw informed conclusions that contribute to their own academic or professional endeavors.
190	PRI	23IE4054R - CP-2	CO4	Analysis of research work prepares students to critically evaluate and interpret research studies, assessing the methodology, data, and conclusions. Students will develop the ability to dissect research findings, identify strengths and weaknesses, and draw informed conclusions that contribute to their own academic or professional endeavors.
191	SIL	22UC0021 - SIL-1	CO1	Apply effective communication and collaboration skills to work with diverse populations in addressing social issues within the community.
192	SIL	22UC0021 - SIL-1	CO2	Build technological solutions to real-world problems or challenges with peers to achieve common goals.

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193	SIL	22UC0021 - SIL-1	CO3	Plan effectively to communicate ideas and collaborate with others to achieve artistic or recreational goals.
194	SIL	22UC0021 - SIL-1	CO4	Develop innovative solutions by thinking critically and creatively within a collaborative social immersive learning environment.
195	SIL	22UC0021 - SIL-1	CO5	Identify the strategies to promote personal well-being for healthy living through social interaction and shared experiences.
196	SIL	22UC0022 - SIL-2	CO1	Apply effective communication and collaboration skills to work with diverse populations in addressing social issues within the community.
197	SIL	22UC0022 - SIL-2	CO2	Build technological solutions to real-world problems or challenges with peers to achieve common goals.
198	SIL	22UC0022 - SIL-2	CO3	Plan effectively to communicate ideas and collaborate with others to achieve artistic or recreational goals.
199	SIL	22UC0022 - SIL-2	CO4	Develop innovative solutions by thinking critically and creatively within a collaborative social immersive learning environment.
200	SIL	22UC0022 - SIL-2	CO5	Identify the strategies to promote personal well-being for healthy living through social interaction and shared experiences.
201	SIL	22UC0023 - SIL-3	CO1	Apply effective communication and collaboration skills to work with diverse populations in addressing social issues within the community.

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202	SIL	22UC0023 - SIL-3	CO2	Build technological solutions to real-world problems or challenges with peers to achieve common goals.
203	SIL	22UC0023 - SIL-3	CO3	Plan effectively to communicate ideas and collaborate with others to achieve artistic or recreational goals.
204	SIL	22UC0023 - SIL-3	CO4	Develop innovative solutions by thinking critically and creatively within a collaborative social immersive learning environment.
205	SIL	22UC0023 - SIL-3	CO5	Identify the strategies to promote personal well-being for healthy living through social interaction and shared experiences.