PROMOTING INTERNATIONAL QUALITY STANDARDS FOR TECHNICAL EDUCATION IN INDIA

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Part B

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3 COURSE OUTCOMES AND PROGRAM OUTCOMES (120)

Total Marks 120.00

3.1 Establish the correlation between the courses and the Program Outcomes (POs) and Program Specific Outcomes (PSOs) (20)

Total Marks 20.00

Open Seperately (eSARUGTierIIQuestion.aspx?Appid=9928&Progid=1433&QuestID=29)

Edit

PSO1	Capability to utilize fundamental mathematical p	Delete
PSO2	Designing, testing, and evaluating software to m	Delete

3.1.1 Course Outcomes(COs)(SAR should include course outcomes of one course from each semester of study, however, should be prepared for all courses and made available as evidence, if asked) (5)

Institute Marks

Open Seperately (eSARUGTierIIQuestion.aspx?Appid=9928&Progid=1433&QuestID=31)

5.00

Note : Number of Outcomes for a Course is expected to be around 6.

Course Name :	C205	Course Year :	2021-2022

Edit

Course Name	Statements	Action
C235.1	Confer and discuss on algorithmic notation, programming princip	Delete
C235.2	Exchange views on definition, operation and applications of stack	Delete
C235.3	Discuss about Binary tree, Binary search tree, AVL tree, B+ Tree	Delete
C235.4	Discourse on graph, representation, traversals, topological sort, (	Delete
C235.5	Confer on tables, its types, static and dynamic tree tables, hash t	Delete

Course Name :	C213	Course Year :	2021-2022

Edit

Course Name	Statements	Action
C244.1	Confer asymptotic notations –Heap, shell, radix, insertion, select	Delete
C244.2	Exchange views on Divide and Conquer Method, Strassen`s Matr	Delete
C244.3	Discuss on Dynamic Programming, all pair shortest path algorithı	Delete
C244.4	Discourse – 8-queens problem – sum of subsets – graph coloriı	Delete
C244.5	Discuss Least Cost (LC) search – the 15-puzzle problem – contro	Delete

Course Name :	C301	Course Year :	2022-2023

Edit

Course Name	Statements	Action

C351.1	Discuss about mainframe, distributed, multiprocessor, clustered,	Delete
C351.2	Discuss about scheduling criterias, threading issues, critical secti	Delete
C351.3	Confer about deadlock, paging, segmentation.	Delete
C351.4	Discourse file systems, access methods, file sharing.	Delete
C351.5	Exchange views on disk scheduling, kernel and case study on linu	Delete

Course Name :	**C310**	**Course Year :**	**2022-2023**

Edit

Course Name	Statements	Action
C361.1	Understand in-depth about basic ERP implementation and basic S	Delete
C361.2	Understanding about SAP architecture with SAP modules and ABA	Delete
C361.3	Confer in depth about SQL, PL/SQL, Forms and Reports.	Delete
C361.4	Gain knowledge about People soft and People Soft Enterprise HRI	Delete
C361.5	Gain knowledge about Siebel Business components and business	Delete

Course Name :	**C401**	**Course Year :**	**2023-2024**

Edit

Course Name	Statements	Action
C471.1	Confer history of AI, exchange views on Heuristic Search Techniq	Delete
C471.2	Discuss about propositional logic, predicate logic, forward and ba	Delete
C471.3	Discourse about non-monotonic reasoning, certainty factors, Bay	Delete
C471.4	Confer and analyze the planning techniques, forms of learning.	Delete

C471.5	Discuss about minimax search procedure, expert system represe	Delete

Course Name :	**C411**	**Course Year :**	**2023-2024**

Edit

Course Name	Statements	Action
C483.1	Confer knowledge about security SDLC, providing security to con	Delete
C483.2	Ability to apply basic knowledge to handle threats, attacks, and l	Delete
C483.3	Analyze and access the impact of risk and they can make remedi	Delete
C483.4	Understand process involved in information security cycle and stı	Delete
C483.5	Understand study of security technology and implement cryptogr	Delete

3.1.2 CO-POmatrices of courses selected in 3.1.1(Six matrices to be mentioned; one per semester from 3rd to 8th semester) (5)

Open Seperately (eSARUGTierIIQuestion.aspx?Appid=9928&Progid=1433&QuestID=32)

Institute Marks

Note : Enter correlation level s1, 2 or 3 as defined below :

1 : Slight(Low) 2 : Moderate(Medium) 3 : Substantial(High) If there is no correlation, put -

5.00

Instructions -

Data of above tables are used in following tables. Alter the above table data will cause the loss of records in following tables. Click the button to load the data in following grids. Please avoid the manipulation of data after filling the following grids. Click the button to load the data in following Grids.

Load Grid

1 . course name : C205

Edit

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C235.1	3	3	3	3	2	1	1	1	1	2	1	3
C235.2	3	3	3	3	2	1	1	1	1	2	1	3
C235.3	3	3	3	3	3	1	-	1	1	2	1	3
C235.4	3	3	3	3	3	1	1	1	1	2	1	3
C235.5	3	3	3	3	3	1	1	1	1	2	1	3
Average	**3.00**	**3.00**	**3.00**	**3.00**	**2.60**	**1.00**	**0.80**	**1.00**	**1.00**	**2.00**	**1.00**	**3.00**

2 . course name : C213

Edit

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C244.1	3	3	3	3	2	1	1	1	1	1	1	3
C244.2	3	3	3	3	3	1	1	1	1	1	1	3
C244.3	3	3	3	3	3	1	1	1	1	1	1	3
C244.4	3	3	3	3	3	1	1	1	1	1	1	3
C244.5	3	3	3	3	3	1	1	-	1	1	1	3
Average	**3.00**	**3.00**	**3.00**	**3.00**	**2.80**	**1.00**	**1.00**	**0.80**	**1.00**	**1.00**	**1.00**	**3.00**

3 . course name : C301

Edit

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C351.1	3	3	3	3	3	1	1	1	2	3	1	3
C351.2	3	3	3	3	3	1	1	1	2	3	1	3
C351.3	3	3	3	3	3	1	-	1	2	3	1	3
C351.4	3	3	3	3	3	1	1	1	2	3	1	3
C351.5	3	3	3	2	3	1	1	1	2	3	1	3
Average	**3.00**	**3.00**	**3.00**	**2.80**	**3.00**	**1.00**	**0.80**	**1.00**	**2.00**	**3.00**	**1.00**	**3.00**

4 . course name : C310

Edit

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C361.1	3	3	2	2	2	1	1	1	1	1	1	3
C361.2	3	3	3	3	3	1	1	1	1	1	1	3
C361.3	3	3	3	3	3	1	1	1	1	1	1	3
C361.4	3	3	2	2	3	1	1	-	1	1	1	3
C361.5	3	3	3	3	3	1	1	1	1	1	1	3
Average	**3.00**	**3.00**	**2.80**	**2.80**	**2.80**	**1.00**	**1.00**	**0.80**	**1.00**	**1.00**	**1.00**	**3.00**

5 . course name : C401

Edit

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C471.1	3	3	3	2	1	1	1	1	2	2	1	3
C471.2	3	3	3	2	1	1	1	1	2	2	1	3

C471.3	3	3	3	2	2	1	-	1	2	3	1	3
C471.4	3	3	3	3	2	1	1	1	2	3	1	3
C471.5	3	3	3	3	3	1	1	1	2	3	1	3
Average	**3.00**	**3.00**	**3.00**	**2.40**	**1.40**	**1.00**	**0.80**	**1.00**	**2.00**	**2.60**	**1.00**	**3.00**

6 . course name : C411

Edit

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C483.1	3	2	2	2	1	2	2	1	1	2	1	1
C483.2	3	2	2	2	1	3	3	1	1	1	1	2
C483.3	3	3	2	2	2	3	1	2	1	1	1	3
C483.4	2	3	1	2	1	2	3	3	1	1	1	1
C483.5	3	3	3	3	3	1	1	1	1	2	1	2
Average	**2.80**	**2.60**	**2.00**	**2.20**	**1.60**	**2.20**	**2.00**	**1.60**	**1.00**	**1.40**	**1.00**	**1.80**

1 . Course Name : C205

Edit

Course	PSO1	PSO2
C235.1	3	3
C235.2	3	3
C235.3	2	3
C235.4	3	1
C235.5	3	3
Average	**2.80**	**2.60**

2 . Course Name : C213

Edit

Course	PSO1	PSO2
C244.1	3	3
C244.2	3	2
C244.3	3	3
C244.4	2	2
C244.5	3	3
Average	**2.80**	**2.60**

3 . Course Name : C301

Edit

Course	PSO1	PSO2
C351.1	3	3
C351.2	3	3
C351.3	3	2
C351.4	3	3
C351.5	3	3
Average	**3.00**	**2.80**

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4 . Course Name : C310

Edit

Course	PSO1	PSO2
C361.1	3	3
C361.2	3	3
C361.3	3	3
C361.4	3	3
C361.5	2	3
Average	**2.80**	**3.00**

---

5 . Course Name : C401

Edit

Course	PSO1	PSO2
C471.1	2	3
C471.2	3	3

C471.3	3	3
C471.4	3	1
C471.5	3	3
Average	**3.00**	**2.60**

6 . Course Name : C411

Edit

Course	PSO1	PSO2
C483.1	3	2
C483.2	3	2
C483.3	2	3
C483.4	3	2
C483.5	3	1
Average	**2.80**	**2.00**

3.1.3 - A Program level Course-PO matrix of all courses INCLUDING first year courses (10)

Open Seperately (eSARUGTierIIQuestion.aspx?Appid=9928&Progid=1433&QuestID=33)

Institute Marks

Before proceeding please click on Edit to fetch the data. Note : Enter correlation levels 1, 2 or 3 as defined below : 10.00

1 : Slight(Low) 2 : Moderate(Medium) 3 : Substantial(High) If there is no correlation, put -

Edit

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	Action
C101	3	3	3	3	3	3	3	2	3	3	2	2	Delete
C102	3	3	3	3	3	3	3	2	2	2	2	2	Delete
C103	2	3	3	3	3	3	3	2	2	2	2	2	Delete
C104	2	3	3	3	3	3	2	2	3	2	2	2	Delete
C105	2	3	3	3	2	2	3	2	3	2	2	2	Delete
C106	3	3	3	3	3	3	3	2	3	2	2	2	Delete
C107	3	3	3	3	3	3	3	2	2	2	2	2	Delete
C108	3	3	3	3	2	2	2	2	2	2	2	2	Delete
C109	3	3	3	2	3	3	3	2	2	2	2	2	Delete
C110	3	3	3	2	3	2	2	2	2	2	2	2	Delete
C111	3	3	3	2	3	2	3	2	2	2	2	2	Delete
C112	3	3	3	2	3	2	3	2	3	2	2	2	Delete
C113	3	3	3	2	3	2	2	2	3	2	2	2	Delete
C114	3	3	1	2	3	2	3	1	3	3	3	2	Delete
C115	3	3	2	3	3	2	3	2	3	2	2	2	Delete
C116	3	3	2	3	3	3	2	2	3	3	3	2	Delete
C117	3	3	2	3	3	3	3	0	2	2	3	2	Delete
C118	3	3	2	3	3	3	3	2	2	2	3	2	Delete
C119	3	3	2	2	2	2	1	2	2	2	3	2	Delete

C201	3	3	2	2	2	2	2	2	2	2	3	2	Delete
C202	3	3	2	2	3	3	2	2	2	2	2	3	Delete
C203	2	2	2	2	2	2	2	2	3	3	2	2	Delete
C204	2	2	2	2	2	1	2	2	3	3	2	2	Delete
C205	3	3	3	3	3	1	3	2	2	2	2	1	Delete
C206	3	2	3	2	3	1	2	2	2	2	2	2	Delete
C207	3	1	2	1	2	2	3	2	3	1	1	2	Delete
C208	3	3	2	1	3	2	3	2	3	1	1	2	Delete
C209	3	2	2	1	2	2	3	2	3	1	1	2	Delete
C210	3	3	2	2	2	2	3	2	2	2	2	2	Delete
C211	2	3	2	2	2	2	3	1	1	2	2	1	Delete
C212	2	3	3	2	2	1	3	1	2	2	1	3	Delete
C213	2	3	3	3	3	2	3	1	2	2	1	2	Delete
C214	2	3	3	3	3	3	2	2	3	3	3	3	Delete
C215	2	3	3	1	1	2	2	1	2	1	1	2	Delete
C216	3	1	2	1	2	2	3	2	3	1	1	2	Delete
C217	3	3	3	2	3	2	3	1	2	2	2	2	Delete
C218	3	3	3	1	3	2	3	1	2	1	1	2	Delete
C219	3	2	2	2	2	3	2	1	3	2	1	2	Delete
C301	3	3	2	2	2	3	3	2	2	2	2	1	Delete
C302	3	3	3	3	3	3	3	2	2	2	2	3	Delete
C303	3	3	3	3	3	3	2	2	3	3	3	3	Delete

C304	3	3	2	2	2	2	3	1	1	3	2	1	Delete
C305	3	2	3	2	2	1	2	2	2	2	2	2	Delete
C306	3	3	2	2	1	3	3	2	2	2	2	1	Delete
C307	2	3	3	2	1	3	3	1	2	2	2	2	Delete
C308	3	3	2	1	3	2	3	2	2	1	2	2	Delete
C309	2	2	2	3	3	2	3	2	3	3	1	3	Delete
C310	2	2	3	3	3	1	2	2	2	2	2	2	Delete
C311	2	2	3	3	3	1	2	2	2	2	2	2	Delete
C312	3	3	2	3	3	2	3	1	1	2	2	1	Delete
C313	2	3	2	3	3	2	3	1	1	2	2	1	Delete
C314	2	2	3	3	3	1	2	2	2	2	2	2	Delete
C315	3	2	2	3	3	3	1	1	2	2	1	3	Delete
C316	3	1	2	3	3	3	3	2	3	1	1	2	Delete
C317	3	1	2	3	3	3	3	2	3	1	1	2	Delete
C318	2	2	2	3	3	2	2	2	1	3	1	3	Delete
C319	3	2	2	3	3	3	1	1	2	3	1	2	Delete
C401	2	3	2	3	3	3	3	2	3	1	1	2	Delete
C402	3	3	3	3	3	3	3	2	3	1	1	2	Delete
C403	3	3	2	2	2	3	1	1	2	2	1	2	Delete
C404	2	3	3	3	2	2	2	2	2	2	3	3	Delete
C405	2	3	2	3	2	3	3	2	3	1	1	2	Delete
C406	3	3	3	3	2	2	2	2	2	2	3	3	Delete

C407	3	2	2	3	2	3	3	2	3	1	1	2	Delete
C408	3	3	3	3	3	3	3	3	3	3	3	3	Delete
C409	3	2	2	2	2	3	0	3	2	2	1	2	Delete
C410	2	2	2	2	3	2	2	2	2	2	2	3	Delete
C411	3	3	3	3	3	3	2	2	3	2	2	3	Delete
C412	3	3	3	3	3	3	2	2	3	2	2	3	Delete
C413	3	3	3	3	3	3	2	2	2	2	2	3	Delete
C414	3	3	3	3	3	3	3	3	3	3	3	3	Delete
C415	3	3	3	3	3	3	2	2	2	3	3	3	Delete
C416	3	3	3	3	3	3	3	3	3	3	3	3	Delete

3.1.3 - B Program level Course-PSO matrix of all courses INCLUDING first year courses

Open Seperately (eSARUGTierIIQuestion.aspx?Appid=9928&Progid=1433&QuestID=34)

Edit

Course	PSO1	PSO2	Action
C101	3	3	Delete
C102	2	3	Delete
C103	2	2	Delete
C104	2	3	Delete
C105	2	3	Delete
C106	2	3	Delete
C107	3	3	Delete
C108	2	2	Delete
C109	2	1	Delete
C110	3	3	Delete
C111	2	2	Delete
C112	2	3	Delete
C113	2	3	Delete
C114	2	3	Delete
C115	2	2	Delete
C116	2	3	Delete
C117	2	3	Delete
C118	3	3	Delete
C119	2	3	Delete

C201	3	3	Delete
C202	2	2	Delete
C203	2	3	Delete
C204	2	2	Delete
C205	2	3	Delete
C206	2	3	Delete
C207	2	3	Delete
C208	2	3	Delete
C209	2	3	Delete
C210	3	3	Delete
C211	2	2	Delete
C212	2	3	Delete
C213	2	3	Delete
C214	2	3	Delete
C215	2	3	Delete
C216	2	3	Delete
C217	3	3	Delete
C218	2	2	Delete
C219	3	3	Delete
C301	3	3	Delete
C302	3	2	Delete
C303	3	2	Delete

C304	3	3	Delete
C305	3	3	Delete
C306	3	2	Delete
C307	3	2	Delete
C308	2	3	Delete
C309	3	3	Delete
C310	3	3	Delete
C311	3	3	Delete
C312	3	3	Delete
C313	3	3	Delete
C314	2	3	Delete
C315	2	3	Delete
C316	2	3	Delete
C317	2	3	Delete
C318	3	3	Delete
C319	3	3	Delete
C401	2	2	Delete
C402	2	2	Delete
C403	2	2	Delete
C404	2	2	Delete
C405	2	2	Delete
C406	2	2	Delete

C407	2	2	Delete
C408	3	3	Delete
C409	3	3	Delete
C410	3	3	Delete
C411	2	3	Delete
C412	2	3	Delete
C413	3	3	Delete
C414	3	3	Delete
C415	3	3	Delete
C416	3	3	Delete

3.2 Attainment of Course Outcomes (50) Total Marks 50.00

3.2.1 Describe the assessment processes used to gather the data upon which the evaluation of Course Outcome is based (10)

Open Seperately (eSARUGTierIIQuestion.aspx?Appid=9928&Progid=1433&QuestID=35)

Institute Marks

10.00

(Examples of data collection processes may include, but are not limited to, specific exam/ tutorial questions, assignments, laboratory tests, project evaluation, student portfolios(A portfolio is a collection of artifacts that demonstrate skills, personal characteristics and accomplishments created by the student during study period), internally developed assessment exams, project presentations, oral exams etc.)

Edit Answer

3.2 Attainment of Course Outcomes (50)

3.2.1 Describe the assessment processes used to gather the data upon which the evaluation of Course Outcome is based (10)

Outcome-Based Education (OBE) focuses on achieving specific learning outcomes by aligning curriculum design, teaching methods, and assessment processes to ensure that students attain the desired competencies.

Direct Assessment

Theory

Continuous Assessment Tests: Conducting three assessments, including two Internal Assessments covering four units and a model exam, allows for ongoing evaluation of student progress. This continuous assessment aligns with OBE principles by providing regular feedback and opportunities for improvement, ensuring that students achieve the specified learning outcomes.

End Semester Examination: Scheduled as per university guidelines, this summative assessment evaluates the cumulative knowledge and skills acquired by students, ensuring they meet the established outcomes.

Laboratory

Model Exam: Conducting a lab model exam after completing all experiments assesses practical competencies, ensuring that students can apply theoretical knowledge in practical settings.

End Semester Examination: This final practical assessment, conducted as per university schedules, ensures that students have attained the necessary hands-on skills and competencies.

Project Work

Final Year Projects: Dividing students into groups of maximum 4 members for project work encourages collaboration, problem-solving, and application of knowledge. Multiple reviews by faculty panels ensure that projects meet the desired outcomes.

Others

Assignments: Providing five assignments encourages continuous learning and application of concepts, reinforcing the attainment of specific learning outcomes.

Seminars: Allocating seminar sessions for student presentations fosters communication skills, critical thinking, and knowledge sharing.

	Assessment Process	Evaluation
	Direct Assessment	
	Theory	
	Continuous Assessment Tests	Three continuous assessment tests will be conducted. The two tests will be conducted for 75 marks for the duration of 3 Hrs covering 4 units (2 units each). The last assessment will be a model exam for 75 marks for a duration of 3 Hrs.
	End Semester Examination	Will be conducted as per Pondicherry University schedule
	Laboratory	

	Model Exam	Lab model exam will be conducted after completion of all the experiments for 100 marks for a duration of 3 Hrs
	End Semester Examination	Will be conducted as per Pondicherry University schedule
	Project Work	
	Final Year Projects	Students will be divided into groups, wherein each group will have a maximum of 4 students. Every group will be mentored by a faculty. three reviews will be conducted and the students will be reviewed by a panel of Professors.
	Others	
	Assignments	Five Assignment topics for each unit will be given to students
	Seminars	One hour per week will be allotted for the seminar session wherein
		students present topics of their interest.

Indirect Assessment		
Survey		
Alumni survey	Get the feedback from the Alumni for the improvement of infrastructure, library facilities, placement activities and industry-institute interaction.	Once in a year
Student Exit survey	Get the feedback from the students after their course completion for the betterment of the department	Once after course completion
Parent Survey	The feedback of the parents' of the outgoing students is obtained for improvement of department for the upcoming batches	Once after course completion
Employers Survey	The Employers feedback of the campus onboarded companies is obtained based on the implementation of students knowledge of the OBE received during the course.	Once in a year

Rubrics used for evaluation

The rubrics for seminars, assignments, project reviews, and lab evaluations ensure a structured and fair assessment of students' performance. Seminar evaluation focuses on content relevance, presentation skills, resource usage, time management, question handling, and team coordination. Assignments are graded based on content quality, structure, formatting, timely submission, creativity, and effort. Project reviews assess presentation skills, literature

survey, problem statement clarity, communication, and query handling. Lab evaluation considers regular lab work, observation quality, viva performance, attendance, and a model exam to gauge practical knowledge. These rubrics promote academic rigor, clarity, and consistency in evaluation.

The following Rubrics are followed for seminars, Assignments, Project and Lab

Rubrics for Seminars (Out of 10 Marks)

Criteria	Weightage	Description
Content Relevance	3 marks	Covers the depth, accuracy, and relevance of the information presented to the topic.
Presentation Skills	2 marks	Assesses clarity of speech, confidence, body language, and engagement with the audience.
Resources	1 mark	Evaluates the use of slides, videos, or other resources to enhance understanding.
Time Management	1 mark	Checks whether the presentation is completed within the allotted time frame.

Question Handling	2 marks	Measures the ability to answer audience questions clearly and accurately.
Team Coordination	1 mark	Examines the collaboration and equal participation among team members (only for group seminars).

Rubrics for Assignments (Out of 10 Marks)

Criteria	Weightage	Description
Content Quality	4 marks	Assesses the depth of research, originality, and adherence to the topic.
Structure and Organization	2 marks	Evaluates the logical flow, coherence, and clarity of sections (introduction, body, conclusion, references).
Presentation Format	1 mark	Checks adherence to formatting guidelines (font size, margins, citations, etc.).

Timely Submission	1 mark	Ensures the assignment was submitted on or before the deadline.
Creativity and Effort	2 marks	Judges the uniqueness of ideas, innovative approach, and the overall effort invested in the assignment.

Rubrics for Project Review

PHASE I (Out of 200 marks)

Criteria	**Weightage (Marks)**	**Description**
Zeroth Review (30 Marks)		**Focus: Problem Identification & Initial Study**

Presentation	10	Clarity in explaining the problem statement, objectives, and literature survey.
Report	10	Documentation quality, including problem definition and background research.
Queries	5	Ability to address faculty/mentor queries about feasibility and relevance.
Result & Conclusion	5	Justification of the problem statement and expected outcomes.

First Review (50 Marks)		***Focus: System Design & Approach***
Presentation	15	Explanation of system design, methodology, and technology choices.
Report	15	Detailed requirement analysis, design diagrams, and progress documentation.

Queries	10	Clarity in answering technical questions related to design and feasibility.
Result & Conclusion	10	Justification of design decisions and expected functionality.
Second Review (60 Marks)		**Focus: Development & Testing Progress**
Presentation	20	Demonstration of project development, implementation status, and testing.
Report	15	Submission of detailed progress reports, coding standards, and test cases.

Queries	10	Ability to answer queries related to implementation, challenges, and improvements.
Result & Conclusion	15	Partial results, performance evaluation, and next steps for completion.
Model Review (60 Marks)		**Focus: Final Demonstration & Evaluation**
Presentation	20	Final demonstration of the working model with clear explanation.
Report	15	Comprehensive project documentation, including results and findings.
Queries	10	Effectiveness in handling queries on functionality, challenges, and future scope.

Result & Conclusion	15	Overall project outcomes, practical implementation, and conclusion.

Rubrics for Project Review

PHASE II (Out of 600 marks)

Criteria	**Weightage (Marks)**	**Description**
Zeroth Review (100 Marks)		**Focus: Problem Refinement & Planning**
Presentation	30	Clear explanation of refined problem statement, objectives, and methodology.

Report	30	Well-structured documentation including problem definition, feasibility, and literature survey.
Queries	20	Ability to justify project goals, feasibility, and approach.
Result & Conclusion	20	Initial expected outcomes and justification of project feasibility.
First Review (150 Marks)		**Focus: System Architecture & Initial Development**
Presentation	50	Explanation of system architecture, methodology, and progress in implementation.

Report	40	Submission of detailed system design, requirement analysis, and progress documentation.
Queries	30	Ability to answer technical queries on design, approach, and feasibility.
Result & Conclusion	30	Justification of design choices, early-stage implementation results, and further steps.
Second Review (200 Marks)		**Focus: Development, Testing & Performance**
Presentation	70	Demonstration of the developed system, testing outcomes, and performance evaluation.
Report	50	Comprehensive progress report including coding standards, debugging, and test cases.

Queries	40	Ability to handle technical queries related to implementation, performance, and improvements.
Result & Conclusion	40	Analysis of partial outcomes, system performance, and next-phase goals.
Model Review (150 Marks)		**Focus: Final Evaluation & Practical Application**
Presentation	50	Final demonstration of the working project with real-world application insights.
Report	40	Final demonstration of the working project with real-world application insights.
Queries	30	Effectiveness in handling queries on functionality, challenges, and future scope.

Result & Conclusion	30	Final project outcomes, validation of results, and conclusion.

Rubrics for Lab (Out of 50 Marks)

Criteria	Weightage	Description
Regular Lab Work	15 marks	Consistency, completion of assigned experiments, timely submission
Observation	10 marks	Neatness, accuracy, completeness, proper documentation
Viva	10 marks	Conceptual understanding, ability to explain code/approach, clarity

Attendance	5 marks	Punctuality, overall attendance percentage
Model Exam	10 marks	To evaluate the practical knowledge gained throughout the regular lab sessions.

3.2.2 Record the attainment of Course Outcome of all courses with respect to set attainment levels (40)

Open Seperately (eSARUGTierIIQuestion.aspx?Appid=9928&Progid=1433&QuestID=36)

Institute Marks

Program shall have set Course Outcome attainment levels for all courses. 40.00

(The attainment levels shall be set considering average performance levels in th euniversity examination or any higher value set as target for the assessment years. Attainment level is to be measured in terms of student performance in internal assessments with respect to the Course Outcomes of a course in addition to the performance in the University examination)

Edit Answer

3.2.2 Record the attainment of Course Outcomes of all courses with respect to set attainment levels (40)

To ensure continuous improvement in the attainment of course outcomes (COs) and their contribution to program outcomes (POs), we have set specific targets for three consecutive years. The CO target values have been progressively increased to enhance student learning and overall course effectiveness.

CO Target Values (Over Three Years)

The CO target values for the three years are as follows:

- 2021-22: 2.75
- 2022-23: 2.80
- 2023-24: 2.85

This gradual increase in CO target values reflects a commitment to improving teaching-learning methodologies and student performance in achieving course outcomes.

PO Target Values

The PO target values have been determined by applying a multiplying factor of 0.88 to the respective CO target values. The computed PO targets are as follows:

- 2021-22: $2.75 \times 0.88 = 2.42$
- 2022-23: $2.80 \times 0.88 = 2.46$
- 2023-24: $2.85 \times 0.88 = 2.51$

Significance of Target Setting

By systematically increasing the CO target and aligning the PO target proportionally, we aim to:

- Enhance student learning outcomes through continuous curriculum improvements.
- Strengthen the alignment between course-level and program-level objectives.
- Ensure that students progressively achieve higher competency levels, leading to better overall program attainment.

Regular assessments and analysis will be conducted to monitor the achievement of these targets, and necessary interventions will be made to sustain and further improve the outcomes.

The CO for each subject is calculated by taking the average of the Internal attainment (Two Internal Exam and Model Exam) and External Attainment (University examination). The attainment level description is given below

RANGE	Mark Attainment Level
Student scoring < 50	**L**
Student scoring above 50 and below 55	**M**
Student scoring above 55 and below 60	**H**
Student scoring above 60	

% of range of H level attainment	CO Attainment Level
H scoring % < 50	**0**
H scoring % between 50 and 59	**1**
H scoring % between 60 and below 75	**2**
H scoring % above 75	**3**

Course Attainment for 2023-24 with respect to CO Target level

Course Code	Course Name	Appeared	Passed	Pass %	CO Attainment	Target Level	Attainment Status
C101	Mathematics - I	50	50	100	2.87	2.85	Attained
C102	Physics	50	50	100	2.87	2.85	Attained
C103	Chemistry	50	50	100	2.87	2.85	Attained
C104	Basic Electrical and Electronics Engineering	50	50	100	2.87	2.85	Attained
C105	Engineering Thermodynamics	50	50	100	2.87	2.85	Attained
C106	Computer Programming	50	50	100	2.87	2.85	Attained
C107	Computer Programming Laboratory	50	50	100	3	2.85	Attained
C108	Engineering Graphics	50	50	100	3	2.85	Attained

C109	Basic Electrical and Electronics Laboratory	50	50	100	3	2.85	Attained
C110	Mathematics – II	50	50	100	2.87	2.85	Attained
C111	Material Science	50	50	100	2.87	2.85	Attained
C112	Environmental Science	50	50	100	2.87	2.85	Attained
C113	Basic Civil and Mechanical Engineering	50	50	100	2.87	2.85	Attained
C114	Engineering Mechanics	50	50	100	2.87	2.85	Attained
C115	Communicative English	50	50	100	2.87	2.85	Attained
C116	Physics lab	50	50	100	3	2.85	Attained
C117	Chemistry lab	50	50	100	3	2.85	Attained
C118	Workshop Practice	50	50	100	3	2.85	Attained

C119	NSS/NCC	50	50	100	3	2.85	Attained
C201	Mathematics – III	50	48	96	3	2.85	Attained
C202	Electronics Devices and Circuits	50	47	94	2.85	2.85	Attained
C203	Object Oriented Programming and Design	50	43	86	2.77	2.85	Not Attained
C204	Digital System Design	50	39	78	2.75	2.85	Not Attained
C205	Data Structures	50	46	92	2.82	2.85	Not Attained
C206	Computer Organization and Architecture	50	43	86	2.87	2.85	Attained
C207	Electronics Devices and Circuits Laboratory	50	50	100	3	2.85	Attained

C208	Data Structures Laboratory	50	50	100	3	2.85	Attained
C209	Digital System Design Laboratory	50	50	100	3	2.85	Attained
C210	Mathematics – IV	50	47	94	2.6	2.85	Not Attained
C211	Microprocessors and Microcontrollers	50	46	92	2.82	2.85	Attained
C212	Automata Languages and Computations	50	44	88	2.75	2.85	Not Attained
C213	Design and Analysis of Algorithms	50	44	88	2.75	2.85	Not Attained
C214	Object Oriented Programming	50	42	84	2.77	2.85	Not Attained
C215	Graphics and Image Processing	50	37	74	2.6	2.85	Not Attained

C216	Microprocessors and Microcontrollers Laboratory	50	50	100	3	2.85	Attained
C217	Design and Analysis of Algorithms Laboratory	50	50	100	3	2.85	Attained
C218	Object Oriented Programming Laboratory	50	50	100	3	2.85	Attained
C219	Physical Education	50	50	100	3	2.85	Attained
C301	Operating Systems	58	52	89.66	2.8	2.85	Not Attained
C302	Computer Networks	58	53	91.38	2.85	2.85	Attained
C303	Database Management Systems	58	55	94.83	2.9	2.85	Attained

C304	Language Translators	58	49	84.48	2.63	2.85	Not Attained
C305	Software Engineering	58	54	93.1	2.9	2.85	Attained
C306	Operating Systems Laboratory	58	55	94.83	3	2.85	Attained
C307	Computer Networks Laboratory	58	55	94.83	3	2.85	Attained
C308	Database Management System Laboratory	58	55	94.83	3	2.85	Attained
C309	General Proficiency – I	58	58	100	3	2.85	Attained
C310	Enterprise Solutions	55	55	100	2.73	2.85	Not Attained
C311	Embedded Systems	55	54	98.18	2.8	2.85	Not Attained

C312	Web Technology	55	52	94.55	2.9	2.85	Attained
C313	Object Oriented Analysis and Design	55	54	98.18	2.73	2.85	Not Attained
C314	E-Business	55	54	98.18	2.67	2.85	Not Attained
C315	Enterprise Solutions Laboratory	55	55	100	3	2.85	Attained
C316	Embedded Systems Laboratory	55	55	100	3	2.85	Attained
C317	Web Technology Laboratory	55	55	100	3	2.85	Attained
C318	Industrial Visits/Training	55	55	100	3	2.85	Attained
C319	General Proficiency – II	55	55	100	3	2.85	Attained
C401	Artificial Intelligence	54	54	92.59	2.65	2.85	Not Attained

C402	Computer Hardware and Network Trouble Shooting	54	53	98.15	2.65	2.85	Not Attained
C403	Platform Technology	54	52	96.3	2.9	2.85	Attained
C404	Network Protocol	54	53	98.15	2.9	2.85	Attained
C405	Artificial Intelligence Laboratory	54	53	98.15	3	2.85	Attained
C406	Troubleshooting Laboratory	54	53	98.15	3	2.85	Attained
C407	Platform Technology Laboratory	54	53	98.15	3	2.85	Attained
C408	Project Work – Phase I	54	54	100	3	2.85	Attained
C409	Professional Ethics	54	54	100	2.9	2.85	Attained

C410	Engineering Economics and Management	54	54	100	2.9	2.85	Attained
C411	Information Security	54	54	100	2.9	2.85	Attained
C412	Mobile Computing	54	53	98	2.9	2.85	Attained
C413	Cloud Computing	54	53	98	2.9	2.85	Attained
C414	Seminar	54	54	100	3	2.85	Attained
C415	Comprehensive Viva-Voce	54	54	100	3	2.85	Attained
C416	Projects Work – Phase II	54	54	100	3	2.85	Attained

3.3 Attainment of Program Outcomes and Program Specific Outcomes (50) Total Marks 50.00

3.3.1 Describe the assessment tools and processes used for measuring the attainment of each of the Program Outcomes and Program Specific Outcomes (10) Open Seperately (eSARUGTierIIQuestion.aspx?Appid=9928&Progid=1433&QuestID=37)

Institute Marks

(Describe the assessment tools and processes used together the data upon which the evaluation of each of the Program Outcomes and Program Specific Outcomes is based indicating the frequency with which these processes are carried out. Describe the assessment processes that demonstrate the degree to which the Program Outcomes and Program Specific Outcomes are attained and document the attainment levels)

10.00

Edit Answer

3.3 Attainment of Program Outcomes and Program Specific Outcomes (50)

3.3.1 Describe the assessment tools and processes used for measuring the attainment of each of the Program Outcomes and Program Specific Outcomes (10)

Indirect Assessment

Surveys

Alumni Survey: Collecting feedback from alumni provides insights into the long-term effectiveness of the education received, informing improvements to align with desired outcomes.

Student Exit Survey: Gathering feedback from graduating students helps assess the immediate impact of the educational experience on outcome attainment, guiding future enhancements.

Parent Survey: Engaging parents of outgoing students offers additional perspectives on the programs effectiveness in achieving educational outcomes.

Employers Survey: Obtaining feedback from employers assesses how well graduates apply their learned competencies in the workplace, providing valuable data to refine educational strategies to meet desired outcomes.

	Assessment Process	Evaluation	
	Direct Assessment		
	Theory		

	Continuous Assessment Tests	Three continuous assessment tests will be conducted. The two tests will be conducted for 75 marks for the duration of 3 Hrs covering 4 units (2 units each). The last assessment will be a model exam for 75 marks for a duration of 3 Hrs.	
	End Semester Examination	Will be conducted as per Pondicherry University schedule	
	Laboratory		
	Model Exam	Lab model exam will be conducted after completion of all the experiments for 100 marks for a duration of 3 Hrs	
	End Semester Examination	Will be conducted as per Pondicherry University schedule	
	Project Work		

	Final Year Projects	Students will be divided into groups, wherein each group will have a maximum of 4 students. Every group will be mentored by a faculty. three reviews will be conducted and the students will be reviewed by a panel of Professors.	
	Others		
	Assignments	Five Assignment topics for each unit will be given to students	
	Seminars	One hour per week will be allotted for the seminar session wherein	
		students present topics of their interest.	
Indirect Assessment			
Survey			
Alumni survey	Get the feedback from the Alumni for the improvement of infrastructure, library facilities, placement activities and industry- institute interaction.	Once in a year	

Student Exit survey	Get the feedback from the students after their course completion for the betterment of the department	Once after course completion
Parent Survey	The feedback of the parents' of the outgoing students is obtained for improvement of department for the upcoming batches	Once after course completion
Employers Survey	The Employers feedback of the campus onboarded companies is obtained based on the implementation of students knowledge of the OBE received during the course.	Once in a year

A Program level Course-PO matrix of all courses

Sub. Code	Subject Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C101	Mathematics - I	3	3	3	3	3	3	3	2	3	3	2	2
C102	Physics	3	3	3	3	3	3	3	2	2	2	2	2
C103	Chemistry	2	3	3	3	3	3	3	2	2	2	2	2
C104	Basic Electrical and Electronics Engineering	2	3	3	3	3	3	2	2	3	2	2	2
C105	Engineering Thermodynamics	2	3	3	3	2	2	3	2	3	2	2	2
C106	Computer Programming	3	3	3	3	3	3	3	2	3	2	2	2
C107	Computer Programming Laboratory	3	3	3	3	3	3	3	2	2	2	2	2
C108	Engineering Graphics	3	3	3	3	2	2	2	2	2	2	2	2
C109	Basic Electrical and Electronics Laboratory	3	3	3	2	3	3	3	2	2	2	2	2
C110	Mathematics – II	3	3	3	2	3	2	2	2	2	2	2	2
C111	Material Science	3	3	3	2	3	2	3	2	2	2	2	2
C112	Environmental Science	3	3	3	2	3	2	3	2	3	2	2	2
C113	Basic Civil and Mechanical Engineering	3	3	3	2	3	2	2	2	3	2	2	2
C114	Engineering Mechanics	3	3	1	2	3	2	3	1	3	3	3	2
C115	Communicative English	3	3	2	3	3	2	3	2	3	2	2	2
C116	Physics lab	3	3	2	3	3	3	2	2	3	3	3	2
C117	Chemistry lab	3	3	2	3	3	3	3	0	2	2	3	2
C118	Workshop Practice	3	3	2	3	3	3	3	2	2	2	3	2
C119	NSS/NCC	3	3	2	2	2	2	1	2	2	2	3	2
C201	Mathematics – III	3	3	2	2	2	2	2	2	2	2	3	2
C202	Electronics Devices and Circuits	3	3	2	2	3	3	2	2	2	2	2	3
C203	Object Oriented Programming and Design	2	2	2	2	2	2	2	2	3	3	2	2
C204	Digital System Design	2	2	2	2	2	1	2	2	3	3	2	2
C205	Data Structures	3	3	3	3	3	1	3	2	2	2	2	1
C206	Computer Organization and Architecture	3	2	3	2	3	1	2	2	2	2	2	2
C207	Electronics Devices and Circuits Laboratory	3	1	2	1	2	2	3	2	3	1	1	2
C208	Data Structures Laboratory	3	3	2	1	3	2	3	2	3	1	1	2
C209	Digital System Design Laboratory	3	2	2	1	2	2	3	2	3	1	1	2
C210	Mathematics – IV	3	3	2	2	2	2	3	2	2	2	2	2
C211	Microprocessors and Microcontrollers	2	3	2	2	2	2	3	1	1	2	2	1
C212	Automata Languages and Computations	2	3	3	2	2	1	3	1	2	2	1	3
C213	Design and Analysis of Algorithms	2	3	3	3	3	2	3	1	2	2	1	2
C214	Object Oriented Programming	2	3	3	3	3	3	2	2	3	3	3	3
C215	Graphics and Image Processing	2	3	3	1	1	2	2	1	2	1	1	2
C216	Microprocessors and Microcontrollers Laboratory	3	1	2	1	2	2	3	2	3	1	1	2
C217	Design and Analysis of Algorithms Laboratory	3	3	3	2	3	2	3	1	2	2	2	2
C218	Object Oriented Programming Laboratory	3	3	3	1	3	2	3	1	2	1	1	2
C219	Physical Education	3	2	2	2	2	3	2	1	3	2	1	2
C301	Operating Systems	3	3	2	2	2	3	3	2	2	2	2	1
C302	Computer Networks	3	3	3	3	3	3	3	2	2	2	2	3
C303	Database Management Systems	3	3	3	3	3	3	2	2	3	3	3	3
C304	Language Translators	3	3	2	2	2	2	3	1	1	3	2	1
C305	Software Engineering	3	2	3	2	2	1	2	2	2	2	2	2
C306	Operating Systems Laboratory	3	3	2	2	1	3	3	2	2	2	2	1
C307	Computer Networks Laboratory	2	3	3	2	1	3	3	1	2	2	2	2
C308	Database Management System Laboratory	3	3	2	1	3	2	3	2	2	1	2	2

C309	General Proficiency – I	2	2	2	3	3	2	3	2	3	3	1	3
C310	Enterprise Solutions	2	2	3	3	3	1	2	2	2	2	2	2
C311	Embedded Systems	2	2	3	3	3	1	2	2	2	2	2	2
C312	Web Technology	3	3	2	3	3	2	3	1	1	2	2	1
C313	Object Oriented Analysis and Design	2	3	2	3	3	2	3	1	1	2	2	1
C314	E-Business	2	2	3	3	3	1	2	2	2	2	2	2
C315	Enterprise Solutions Laboratory	3	2	2	3	3	3	1	1	2	2	1	3
C316	Embedded Systems Laboratory	3	1	2	3	3	3	3	2	3	1	1	2
C317	Web Technology Laboratory	3	1	2	3	3	3	3	2	3	1	1	2
C318	Industrial Visits/Training	2	2	2	3	3	2	2	2	1	3	1	3
C319	General Proficiency – II	3	2	2	3	3	3	1	1	2	3	1	2
C401	Artificial Intelligence	2	3	2	3	3	3	3	2	3	1	1	2
C402	Computer Hardware and Network Trouble Shooting	3	3	3	3	3	3	3	2	3	1	1	2
C403	Platform Technology	3	3	2	2	2	3	1	1	2	2	1	2
C404	Network Protocol	2	3	3	3	2	2	2	2	2	2	3	3
C405	Artificial Intelligence Laboratory	2	3	2	3	2	3	3	2	3	1	1	2
C406	Troubleshooting Laboratory	3	3	3	3	2	2	2	2	2	2	3	3
C407	Platform Technology Laboratory	3	2	2	3	2	3	3	2	3	1	1	2
C408	Project Work – Phase I	3	3	3	3	3	3	3	3	3	3	3	3
C409	Professional Ethics	3	2	2	2	2	3	0	3	2	2	1	2
C410	Engineering Economics and Management	2	2	2	2	3	2	2	3	3	3	2	3
C411	Information Security	3	3	3	3	3	3	2	2	3	2	2	3
C412	Mobile Computing	3	3	3	3	3	3	2	2	3	2	2	3
C413	Cloud Computing	3	3	3	3	3	3	2	2	2	2	2	3
C414	Seminar	3	3	3	3	3	3	3	3	3	3	3	3
C415	Comprehensive Viva-Voce	3	3	3	3	3	3	2	2	2	3	3	3
C416	Projects Work – Phase II	3	3	3	3	3	3	3	3	3	3	3	3
	Average	**2.71**	**2.67**	**2.51**	**2.47**	**2.62**	**2.37**	**2.49**	**1.84**	**2.36**	**2.04**	**1.90**	**2.15**

PSO matrix of all courses

Sub. Code	Subject Name	PSO1	PSO2
C101	Mathematics - I	3	3
C102	Physics	2	3
C103	Chemistry	2	2

C104	Basic Electrical and Electronics Engineering	2	3
C105	Engineering Thermodynamics	2	3
C106	Computer Programming	2	3
C107	Computer Programming Laboratory	3	3
C108	Engineering Graphics	2	2
C109	Basic Electrical and Electronics Laboratory	2	1
C110	Mathematics – II	3	3
C111	Material Science	2	2
C112	Environmental Science	2	3
C113	Basic Civil and Mechanical Engineering	2	3

C114	Engineering Mechanics	2	3
C115	Communicative English	2	2
C116	Physics lab	2	3
C117	Chemistry lab	2	3
C118	Workshop Practice	3	3
C119	NSS/NCC	2	3
C201	Mathematics – III	3	3
C202	Electronics Devices and Circuits	2	2
C203	Object Oriented Programming and Design	2	3
C204	Digital System Design	2	2
C205	Data Structures	2	3
C206	Computer Organization and Architecture	2	3
C207	Electronics Devices and Circuits Laboratory	2	3
C208	Data Structures Laboratory	2	3

C209	Digital System Design Laboratory	2	3
C210	Mathematics – IV	3	3
C211	Microprocessors and Microcontrollers	2	2
C212	Automata Languages and Computations	2	3
C213	Design and Analysis of Algorithms	2	3
C214	Object Oriented Programming	2	3
C215	Graphics and Image Processing	2	3
C216	Microprocessors and Microcontrollers Laboratory	2	3
C217	Design and Analysis of Algorithms Laboratory	3	3
C218	Object Oriented Programming Laboratory	2	2
C219	Physical Education	3	3
C301	Operating Systems	3	3
C302	Computer Networks	3	2

C303	Database Management Systems	3	2
C304	Language Translators	3	3
C305	Software Engineering	3	3
C306	Operating Systems Laboratory	3	2
C307	Computer Networks Laboratory	3	2
C308	Database Management System Laboratory	2	3
C309	General Proficiency – I	3	3
C310	Enterprise Solutions	3	3
C311	Embedded Systems	3	3
C312	Web Technology	3	3
C313	Object Oriented Analysis and Design	3	3
C314	E-Business	2	3
C315	Enterprise Solutions Laboratory	2	3
C316	Embedded Systems Laboratory	2	3

C317	Web Technology Laboratory	2	3
C318	Industrial Visits/Training	3	3
C319	General Proficiency – II	3	3
C401	Artificial Intelligence	2	2
C402	Computer Hardware and Network Trouble Shooting	2	2
C403	Platform Technology	2	2
C404	Network Protocol	2	2
C405	Artificial Intelligence Laboratory	2	2
C406	Troubleshooting Laboratory	2	2
C407	Platform Technology Laboratory	2	2
C408	Project Work – Phase I	3	3
C409	Professional Ethics	3	3
C410	Engineering Economics and Management	3	3

C411	Information Security	2	3
C412	Mobile Computing	2	3
C413	Cloud Computing	3	3
C414	Seminar	3	3
C415	Comprehensive Viva-Voce	3	3
C416	Projects Work – Phase II	3	3
	Average	**2.40**	**2.71**

3.3.2 Provide results of evaluation of PO&PSO (40)

Open Seperately (eSARUGTierIIQuestion.aspx?Appid=9928&Progid=1433&QuestID=38)

Institute Marks

Program shall set Program Outcome attainment levels for all POs & PSOs.	40.00

(The attainment levels by direct(student performance) and indirect(surveys) are to be presented through Program level Course – PO & PSO matrix as indicated).

Instructions -

Please Enter PO and PSO between 0 to 3. Fractional values are acceptable.
You can leave the fields(PO and PSO) blank.
Blank and 0 will not be participated in the calculation.

PO Attainment

Edit

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	Action
C101	3	3	3	3	3	3	3	2	3	3	2	2	Delete
C102	3	3	3	3	3	3	3	2	2	2	2	2	Delete
C103	2	3	3	3	3	3	3	2	2	2	2	2	Delete
C104	2	3	3	3	3	3	2	2	3	2	2	2	Delete
C105	2	3	3	3	2	2	3	2	3	2	2	2	Delete
C106	3	3	3	3	3	3	3	2	3	2	2	2	Delete
C107	3	3	3	3	3	3	3	2	2	2	2	2	Delete
C108	3	3	3	3	2	2	2	2	2	2	2	2	Delete
C109	3	3	3	2	3	3	3	2	2	2	2	2	Delete
C110	3	3	3	2	3	2	2	2	2	2	2	2	Delete
C111	3	3	3	2	3	2	3	2	2	2	2	2	Delete
C112	3	3	3	2	3	2	3	2	3	2	2	2	Delete
C113	3	3	3	2	3	2	2	2	3	2	2	2	Delete

C114	3	3	1	2	3	2	3	1	3	3	3	2	Delete
C115	3	3	2	3	3	2	3	2	3	2	2	2	Delete
C116	3	3	2	3	3	3	2	2	3	3	3	2	Delete
C117	3	3	2	3	3	3	3	0	2	2	3	2	Delete
C118	3	3	2	3	3	3	3	2	2	2	3	2	Delete
C119	3	3	2	2	2	2	1	2	2	2	3	2	Delete
C201	3	3	2	2	2	2	2	2	2	2	3	2	Delete
C202	3	3	2	2	3	3	2	2	2	2	2	3	Delete
C203	2	2	2	2	2	2	2	2	3	3	2	2	Delete
C204	2	2	2	2	2	1	2	2	3	3	2	2	Delete
C205	3	3	3	3	3	1	3	2	2	2	2	1	Delete
C206	3	2	3	2	3	1	2	2	2	2	2	2	Delete
C207	3	1	2	1	2	2	3	2	3	1	1	2	Delete
C208	3	3	2	1	3	2	3	2	3	1	1	2	Delete
C209	3	2	2	1	2	2	3	2	3	1	1	2	Delete
C210	3	3	2	2	2	2	3	2	2	2	2	2	Delete
C211	2	3	2	2	2	2	3	1	1	2	2	1	Delete
C212	2	3	3	2	2	1	3	1	2	2	1	3	Delete
C213	2	3	3	3	3	2	3	1	2	2	1	2	Delete
C214	2	3	3	3	3	3	2	2	3	3	3	3	Delete
C215	2	3	3	1	1	2	2	1	2	1	1	2	Delete
C216	3	1	2	1	2	2	3	2	3	1	1	2	Delete

C217	3	3	3	2	3	2	3	1	2	2	2	2	Delete
C218	3	3	3	1	3	2	3	1	2	1	1	2	Delete
C219	3	2	2	2	2	3	2	1	3	2	1	2	Delete
C301	3	3	2	2	2	3	3	2	2	2	2	1	Delete
C302	3	3	3	3	3	3	3	2	2	2	2	3	Delete
C303	3	3	3	3	3	3	2	2	3	3	3	3	Delete
C304	3	3	2	2	2	2	3	1	1	3	2	1	Delete
C305	3	2	3	2	2	1	2	2	2	2	2	2	Delete
C306	3	3	2	2	1	3	3	2	2	2	2	1	Delete
C307	2	3	3	2	1	3	3	1	2	2	2	2	Delete
C308	3	3	2	1	3	2	3	2	2	1	2	2	Delete
C309	2	2	2	3	3	2	3	2	3	3	1	3	Delete
C310	2	2	3	3	3	1	2	2	2	2	2	2	Delete
C311	2	2	3	3	3	1	2	2	2	2	2	2	Delete
C312	3	3	2	3	3	2	3	1	1	2	2	1	Delete
C313	2	3	2	3	3	2	3	1	1	2	2	1	Delete
C314	2	2	3	3	3	1	2	2	2	2	2	2	Delete
C315	3	2	2	3	3	3	1	1	2	2	1	3	Delete
C316	3	1	2	3	3	3	3	2	3	1	1	2	Delete
C317	3	1	2	3	3	3	3	2	3	1	1	3	Delete
C318	2	2	2	3	3	2	2	2	1	3	1	3	Delete
C319	3	2	2	3	3	3	1	1	2	3	1	2	Delete

C401	2	3	2	3	3	3	3	2	3	1	1	2	Delete
C402	3	3	3	3	3	3	3	2	3	1	1	2	Delete
C403	3	3	2	2	2	3	1	1	2	2	1	2	Delete
C404	2	3	3	3	2	2	2	2	2	2	3	3	Delete
C405	2	3	2	3	2	3	3	2	3	1	1	2	Delete
C406	3	3	3	3	2	2	2	2	2	2	3	3	Delete
C407	3	2	2	3	2	3	3	2	3	1	1	2	Delete
C408	3	3	3	3	3	3	3	3	3	3	3	3	Delete
C409	3	2	2	2	2	3	0	3	2	2	1	2	Delete
C410	2	2	2	2	3	2	2	3	3	3	2	3	Delete
C411	3	3	3	3	3	3	2	2	3	2	2	3	Delete
C412	3	3	3	3	3	3	2	2	3	2	2	3	Delete
C413	3	3	3	3	3	3	2	2	2	2	2	3	Delete
C414	3	3	3	3	3	3	3	3	3	3	3	3	Delete
C415	3	3	3	3	3	3	2	2	2	3	3	3	Delete
C416	3	3	3	3	3	3	3	3	3	3	3	3	Delete

PO Attainment Level

Course	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**	**PO11**	**PO12**
Direct Attainment	2.71	2.67	2.51	2.47	2.62	2.37	2.53	1.86	2.36	2.04	1.90	2.16
InDirect Attainment	2.74	2.67	2.73	2.69	2.66	2.64	2.65	2.71	2.75	2.64	2.71	2.63
PO Attainment	2.72	2.67	2.55	2.51	2.63	2.42	2.55	2.03	2.44	2.16	2.06	2.25

PSO Attainment

Edit

Course	PSO1	PSO2	Action
C101	3	3	Delete
C102	2	3	Delete
C103	2	2	Delete
C104	2	3	Delete
C105	2	3	Delete
C106	2	3	Delete
C107	3	3	Delete
C108	2	2	Delete
C109	2	1	Delete
C110	3	3	Delete
C111	2	2	Delete
C112	2	3	Delete
C113	2	3	Delete
C114	2	3	Delete
C115	2	2	Delete
C116	2	3	Delete
C117	2	3	Delete
C118	3	3	Delete
C119	2	3	Delete

C201	3	3	Delete
C202	2	2	Delete
C203	2	3	Delete
C204	2	2	Delete
C205	2	3	Delete
C206	2	3	Delete
C207	2	3	Delete
C208	2	3	Delete
C209	2	3	Delete
C210	3	3	Delete
C211	2	2	Delete
C212	2	3	Delete
C213	2	3	Delete
C214	2	3	Delete
C215	2	3	Delete
C216	2	3	Delete
C217	3	3	Delete
C218	2	2	Delete
C219	3	3	Delete
C301	3	3	Delete
C302	3	2	Delete
C303	3	2	Delete

C304	3	3	Delete
C305	3	3	Delete
C306	3	2	Delete
C307	3	2	Delete
C308	2	3	Delete
C309	3	3	Delete
C310	3	3	Delete
C311	3	3	Delete
C312	3	3	Delete
C313	3	3	Delete
C314	2	3	Delete
C315	2	3	Delete
C316	2	3	Delete
C317	2	3	Delete
C318	3	3	Delete
C319	3	3	Delete
C401	2	2	Delete
C402	2	2	Delete
C403	2	2	Delete
C404	2	2	Delete
C405	2	2	Delete
C406	2	2	Delete

C407	2	2	Delete
C408	3	3	Delete
C409	3	3	Delete
C410	3	3	Delete
C411	2	3	Delete
C412	2	3	Delete
C413	3	3	Delete
C414	3	3	Delete
C415	3	3	Delete
C416	3	3	Delete

PSO Attainment Level

Course	**PSO1**	**PSO2**
Direct Attainment	2.40	2.71
InDirect Attainment	3.00	2.67
PSO Attainment	2.52	2.70

Previous

Next