ASSESSMENT PROCESS FOR DATA COLLECTION:

The key aspects in Outcome-Based Education (OBE) are the assessment of course outcomes. At the initial stage of OBE implementation, the Course Outcomes (COs) for each course are defined based on the Programme Outcome (POs) and other requirements. At the end of each course, the COs needs to be assessed and evaluated, to check whether it has been attained or not.

Assessment is one or more processes, carried out by the department, that identify, collect, and prepare data to evaluate the achievement of programme educational objectives and programme Outcomes.

Attainment is the action or fact of achieving a standard result towards accomplishment of desired goals. Primarily attainment is the standard of academic attainment as observed by test or examination result.

Attainment of the COs can be measured directly and indirectly.

Direct attainment basically displays the student's knowledge and skills from their performance. It can be determined from the performance of the students in all the relevant assessment instruments – like internal assessments, assignments, quiz and final university examination. These methods provide a sampling of what students know and/or can do and provide strong evidence of student learning.

Indirect methods such as surveys and interviews ask the stakeholders to reflect on student's learning. They assess opinions or thoughts about the graduate's knowledge or skills.

Indirect measures can provide information about graduate's perception of their learning and how this learning is valued by different stakeholders.

S No.	Direct Assessment	Description
1	Internal Assessment (IA) tests	Department will conduct three internal tests, scheduled in accordance with the university and college calendar of events.
		The faculties will prepare the Question papers for the respective subject and will be submitted to IA coordinator well in advance through IQAC.
		The college level IA coordinator will conduct three IA tests as per calendar of events.
		The faculties will follow scheme and solutions for each test and evaluate the performance of students as per the assessment rubrics. The Internal assessment marks are based on average of best score of two tests conducted.
2	Lab assessment	Laboratory in-charge faculties will follow the rubrics, which is set by the department for evaluation of laboratory experiments/programs.
		There shall be maximum of 40 Marks IA in each practical and 50% (i.e minimum of 20 marks of IA is mandatory) in order to obtain eligibility to appear for the university practical examination.
3	Seminar	The Department selects a senior faculty member as a seminar coordinator.
		Seminar Coordinator has to sit with other faculty along with HOD to assess the Technical seminar presentations by students.
		He/She would ensure that the students choose advanced concepts in Computer Science and Engineering field.
		One seminar presentation per student in the VIII semester would be conducted as per the schedule mentioned prior in Time Table.
		Seminar coordinators follow rubrics, which is set by the department for evaluation of seminar.
4	Project	Project batches are formed as per the instruction given by project coordinator.
		Synopsis will be submitted to the project coordinators for scrutinizing.

		Project Batches are allotted to the internal guides based on the specialization and competency skills of the faculties.
		Each internal guide will continuously monitor their students on a weekly basis to observe the progress of the work.
		The project guide along with project coordinator conduct project reviews as per the rubrics, which is set by the Department and the submit the Internal Assessment marks to the Head Of Department.
		The department will encourage students to participate in technical Expo and the project guides motivate and guide the students to publish in standard conference/journal forums.

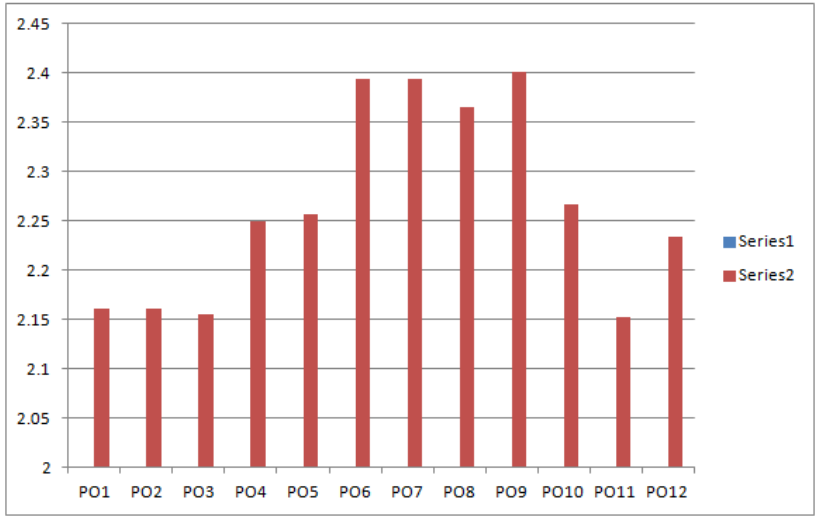
S No.	Indirect Assessment	Description
1	Theory examination marks	Semester examination are the metric to assess whether all the course outcomes are attained or not framed by the respective subject faculty.
		Semester Examination is more focused on attainment of course outcomes and uses a descriptive exam.
		There shall be maximum of 100 Marks and minimum of 35 marks in order to pass the university examination.
2	Practical examination marks	External Practical examination is conducted by the panel of examiners deputed by the University BOE.
		Based on the write-up, conduction and viva voce the marks are awarded to the students and submitted to university.
		There shall be maximum of 100 Marks and minimum of 40 marks in order to pass the university practical examination.
3	Project viva- voce	External Project Viva voce is conducted by the panel of examiners deputed by the University BOE.
		Based on the viva voce the marks are awarded to the students and submitted to university.

Rubrics used for evaluation to award lab internal marks	
Parameters	**Marks**
Continuous Internal Evaluation	15
Attendance	05
Record	10
IA Test	10

Rubrics for evaluation of Seminar		
Parameters	Max. Marks [100]	Marks Distribution
Content	30	Inadequate [<14 Marks]
		Average [14-20 Marks]
		Admirable [20-26 Marks]
		Outstanding [28-30 Marks]
Presentation, Results (Figures, Graphs, Tables, etc.)	20	Inadequate [<10 Marks]
		Average [10-14 Marks]
		Admirable [16-18 Marks]
		Outstanding [20 Marks]
Knowledge of subject	20	Inadequate [<10 Marks]
		Average [10-14 Marks]
		Admirable [16-18 Marks]
		Outstanding [20 Marks]
Eye contact and body language	10	Inadequate [2 Marks]
		Average [4 Marks]
		Admirable [6-8 Marks]
		Outstanding [10 Marks]
Elocution-ability to speak English language	10	Inadequate [2 Marks]
		Average [4 Marks]
		Admirable [6-8 Marks]
		Outstanding [10 Marks]
Length and Pace	10	Inadequate [2 Marks]
		Average [4 Marks]
		Admirable [6-8 Marks]
		Outstanding [10 Marks]

Indirect assessment methods		
1	Alumni feedback	Collect the various information about program satisfaction and college from the Alumni students.
2	Exit survey	Collect the various information about program satisfaction and college from the final year students.
3	Employer feedback	Collect the various information about the graduate’s skills, capabilities and opportunities.
4	Parents feedback	Collect the information about program satisfaction and college from parents.
5	Student feedback	Collect the information about outcome based education in teaching and learning process.

2016-2020 Batch PO Attainment



2014-2018 Batch

AY: 2014-15

Course	Course Code	Course Name	CO Attainment
C101	14MAT11	Engineering Mathematics-I	1.79
C102	14PHY12 / 14PHY22	Engineering Physics	1.64
C103	14CIV13 / 14CIV23	Elements of Civil Engineering & Engineering Mechanics	1.70
C104	14EME14 / 14EME24	Elements of Mechanical Engineering	1.85
C105	14ELE15 / 14ELE25	Basic Electrical Engineering	1.31
C106	14WSL16 / 14WSL26	Workshop Practice	2.58
C107	14PHYL17 / 14PHYL27	Engineering Physics Laboratory	2.30
C108	14CIP18 / 14CIP28	Constitution of India, Professional Ethics & Human Rights	1.54

Course	Course Code	Course Name	CO Attainment
C109	14MAT21	Engineering Mathematics-II	1.60
C110	14CHE12 / 14CHE22	Engineering Chemistry	1.75
C111	14PCD13 / 14PCD23	Programming in C & Data Structures	1.79
C112	14CED14 / 14CED24	Computer Aided Engineering Drawing	2.50
C113	14ELN15 / 14ELN25	Basic Electronics	1.69
C114	14CPL16 / 14CPL26	Computer Programming Laboratory	2.49
C115	14CHEL17 / 14CHEL27	Engineering Chemistry Laboratory	2.69

C116	14CIV18 / 14CIV28	Environmental Studies	2.07

AY: 2015-16

Course	Course Code	Course Name	CO Attainment
C201	10MAT31	Engineering Mathematics – III	2.01
C202	10CS32	Electronic Circuits	1.67
C203	10CS33	Logic Design	1.74
C204	10CS34	Discrete Mathematical Structures	1.83
C205	10CS35	Data Structures with C	1.68
C206	10CS36	Object Oriented Programming with C++	1.83
C207	10CSL37	Data Structures with C/C++ Laboratory	2.46
C208	10CSL38	Electronic Circuits & Logic Design Laboratory	2.45

Course	Course Code	Course Name	CO Attainment
C209	10MAT41	Engineering Mathematics-IV	1.89
C210	10CS42	Graph Theory and Combinatorics	1.57
C211	10CS43	Design and Analysis of Algorithms	2.10
C212	10CS44	Unix and Shell Programming	1.64
C213	10CS45	Microprocessors	1.68
C214	10CS46	Computer Organization	1.92
C215	10CSL47	Design and Analysis of Algorithm Laboratory	2.56
C216	10CSL48	Microprocessors Laboratory	2.40

AY: 2016-17

Course	Course Code	Course Name	CO Attainment
C301	10IS51	Software Engineering	1.90
C302	10CS52	Systems Software	2.22
C303	10CS53	Operating Systems	2.01
C304	10CS54	Database Management Systems	1.63
C305	10CS55	Computer Networks - I	1.94
C306	10CS56	Formal Languages and Automata Theory	1.78
C307	10CSL57	Database Applications Laboratory	2.48

C308	10CSL58	Systems Software & Operating Systems Laboratory	2.43

Course	Course Code	Course Name	CO Attainment
C309	10AL61	Management and Entrepreneurship	2.06
C310	10CS62	Unix System Programming	1.87
C311	10CS63	Compiler Design	1.68
C312	10CS64	Computer Networks-II	1.79
C313	10CS65	Computer Graphics and Visualization	1.96
C314	10CS666	Programming Languages	2.10
C315	10CSL67	Computer Graphics and Visualization Laboratory	2.22
C316	10CSL68	Unix System Programming and Compiler Design Laboratory	2.39

AY: 2017-18

Course	Course Code	Course Name	CO Attainment
C401	10CS71	Object-Oriented Modeling and Design	2.05
C402	10CS72	Embedded Computing Systems	2.17
C403	10CS73	Programming the Web	1.88
C404	10CS74	Advanced Computer Architectures	1.88
C405	10CS753	Java and J2EE	2.02
C406	10CS761	C# Programming and .Net	2.03
C407	10CS765	Storage Area Networks	1.94
C408	10CSL77	Networks Laboratory	2.67
C409	10CSL78	Web Programming Laboratory	2.58

Course	Course Code	Course Name	CO Attainment
C410	10IS81	Software Architectures	2.14
C411	10CS82	System Modeling and Simulation	2.15
C412	10CS834	Network Management Systems	2.25
C413	10CS842	Software Testing	2.14
C414	10CS85	Project Work	2.89
C415	10CS86	Seminar	2.90

2015-2019 Batch

AY: 2015-16

Course	Course Code	Course Name	CO Attainment
C101	15MAT11	Engineering Mathematics-I	1.67
C102	15PHY12 / 15PHY22	Engineering Physics	1.90
C103	15CIV13 / 15CIV23	Elements of Civil Engineering & Mechanics	1.86
C104	15EME14 / 15EME24	Elements of Mechanical Engineering	1.83
C105	15ELE15 / 15ELE25	Basic Electrical Engineering	1.53
C106	15WSL16 / 15WSL26	Workshop Practice	2.60
C107	15PHYL17 / 15PHYL27	Engineering Physics Laboratory	2.32
C108	15CPH18 / 15CPH28	Constitution of India, Professional Ethics & Human Rights	2.62

Course	Course Code	Course Name	CO Attainment
C109	15MAT21	Engineering Mathematics-II	1.83
C110	15CHE12 / 15CHE22	Engineering Chemistry	1.74
C111	15PCD13 / 15PCD23	Programming in C & Data Structures	1.85
C112	15CED14 / 15CED24	Computer Aided Engineering Drawing	2.40
C113	15ELN15 / 15ELN25	Basic Electronics	1.69
C114	15CPL16 / 15CPL26	Computer Programming Laboratory	2.45
C115	15CHEL17 / 15CHEL27	Engineering Chemistry Laboratory	2.55
C116	15CIV18 / 15CIV28	Environmental Studies	2.60

AY: 2016-17

Course	Course Code	Course Name	CO Attainment
C201	15MAT31	Engineering Mathematics – III	1.88
C202	15CS32	Analog and Digital Electronics	1.91
C203	15CS33	Data Structures and Applications	1.95
C204	15CS34	Computer Organization	1.75
C205	15CS35	Unix and Shell Programming	2.07
C206	15CS36	Discrete Mathematical Structures	1.77
C207	15CSL37	Analog and Digital Electronics Lab	2.60
C208	15CSL38	Data Structures Laboratory	2.37
C209	15MATDIP31	Additional Mathematics-I	2.85

Course	Course Code	Course Name	CO Attainment

C210	15MAT41	Engineering Mathematics-IV	1.87
C211	15CS42	Software Engineering	2.02
C212	15CS43	Design and Analysis of Algorithms	2.27
C213	15CS44	Microprocessors and Microcontrollers	1.69
C214	15CS45	Object Oriented Concepts	1.70
C215	15CS46	Data Communication	1.79
C216	15CSL47	Design and Analysis of Algorithm Laboratory	1.94
C217	15CSL48	Microprocessors Laboratory	2.22
C218	15MATDIP41	Additional Mathematics-II	2.85

AY: 2017-18

Course	Course Code	Course Name	CO Attainment
C301	15CS51	Management & Entrepreneurship for IT Industry	1.99
C302	15CS52	Computer Networks	1.89
C303	15CS53	Database Management System	1.81
C304	15CS54	Automata Theory and Computability	1.69
C305	15CS553	Advanced JAVA and J2EE	2.10
C306	15CS563	Embedded Systems	1.90
C307	15CSL57	Computer Network Laboratory	2.09
C308	15CSL58	DBMS Laboratory with Mini Project	2.50

Course	Course Code	Course Name	CO Attainment
C309	15CS61	Cryptography, Network Security and Cyber Law	1.92
C310	15CS62	Computer Graphics and Visualization	1.87
C311	15CS63	System Software and Compiler Design	1.99
C312	15CS64	Operating Systems	2.05
C313	15CS654	Distributed Computing System	1.74
C314	15CS664	Python Application Programming	2.04
C315	15CSL67	System Software & Operating System Laboratory	2.37
C316	15CSL68	Computer Graphics Laboratory with Mini Project	2.34

AY: 2018-19

Course	Course Code	Course Name	CO Attainment
C401	15CS71	Web Technology and its applications	1.93

C402	15CS72	Advanced Computer Architectures	1.84
C403	15CS73	Machine Learning	2.00
C404	15CS742	Cloud Computing and its Applications	1.97
C405	15CS754	Storage Area Networks	2.13
C406	15CSL76	Machine Learning Laboratory	2.55
C407	15CSL77	Web Technology Laboratory with Mini Project	2.66
C408	15CSP78	Project Phase - I + Seminar	2.93

Course	Course Code	Course Name	CO Attainment
C409	15CS81	Internet of Things and Applications	2.08
C410	15CS82	BIG Data Analytics	2.05
C411	15CS832	User Interface Design	2.15
C412	15CS833	Network Management	2.15
C413	15CS84	Internship-Professional Practice	2.88
C414	15CSP85	Project Work Phase – II	2.92
C415	15CSS86	Seminar	2.95

2016-2020 Batch

AY: 2016-17

Course	Course Code	Course Name	CO Attainment
C101	15MAT11	Engineering Mathematics-I	2.08
C102	15CHE12 / 15CHE22	Engineering Chemistry	1.90
C103	15PCD13 / 15PCD23	Programming in C & Data Structures	1.94
C104	15CED14 / 15CED24	Computer Aided Engineering Drawing	2.46
C105	15ELN15 / 15ELN25	Basic Electronics	2.05
C106	15CPL16 / 15CPL26	Computer Programming Laboratory	2.52
C107	15CHEL17 / 15CHEL27	Engineering Chemistry Laboratory	2.69
C108	15CIV18 / 15CIV28	Environmental Studies	2.81

Course	Course Code	Course Name	CO Attainment
C109	15MAT21	Engineering Mathematics-II	1.86
C110	15PHY12 / 15PHY22	Engineering Physics	1.93

C111	15CIV13 / 15CIV23	Elements of Civil Engineering & Mechanics	1.87
C112	15EME14 / 15EME24	Elements of Mechanical Engineering	1.95
C113	15ELE15 / 15ELE25	Basic Electrical Engineering	1.60
C114	15WSL16 / 15WSL26	Workshop Practice	2.54
C115	15PHYL17 / 15PHYL27	Engineering Physics Laboratory	2.53
C116	15CPH18 / 15CPH28	Constitution of India, Professional Ethics & Human Rights	2.43

AY: 2017-18

Course	Course Code	Course Name	CO Attainment
C201	15MAT31	Engineering Mathematics – III	1.79
C202	15CS32	Analog and Digital Electronics	1.71
C203	15CS33	Data Structures and Applications	2.05
C204	15CS34	Computer Organization	1.75
C205	15CS35	Unix and Shell Programming	1.74
C206	15CS36	Discrete Mathematical Structures	1.56
C207	15CSL37	Analog and Digital Electronics Lab	2.59
C208	15CSL38	Data Structures Laboratory	2.40
C209	15MATDIP31	Additional Mathematics-I	2.85

Course	Course Code	Course Name	CO Attainment
C210	15MAT41	Engineering Mathematics-IV	1.92
C211	15CS42	Software Engineering	1.87
C212	15CS43	Design and Analysis of Algorithms	1.85
C213	15CS44	Microprocessors and Microcontrollers	1.77
C214	15CS45	Object Oriented Concepts	1.62
C215	15CS46	Data Communication	1.74
C216	15CSL47	Design and Analysis of Algorithm Laboratory	2.20
C217	15CSL48	Microprocessors Laboratory	2.38
C218	15MATDIP41	Additional Mathematics-II	2.85

AY: 2018-19

Course	Course Code	Course Name	CO Attainment
C301	15CS51	Management & Entrepreneurship for IT Industry	1.93
C302	15CS52	Computer Networks	2.06

C303	15CS53	Database Management System	1.67
C304	15CS54	Automata Theory and Computability	1.81
C305	15CS553	Advanced JAVA and J2EE	1.93
C306	15CS563	Embedded Systems	2.00
C307	15CSL57	Computer Network Laboratory	2.43
C308	15CSL58	DBMS Laboratory with Mini Project	2.51

Course	Course Code	Course Name	CO Attainment
C309	15CS61	Cryptography, Network Security and Cyber Law	1.98
C310	15CS62	Computer Graphics and Visualization	1.87
C311	15CS63	System Software and Compiler Design	1.93
C312	15CS64	Operating Systems	2.09
C313	15CS654	Distributed Computing System	1.96
C314	15CS664	Python Application Programming	1.69
C315	15CSL67	System Software & Operating System Laboratory	2.35
C316	15CSL68	Computer Graphics Laboratory with Mini Project	2.55

AY: 2019-20

Course	Course Code	Course Name	CO Attainment
C401	15CS71	Web Technology and its applications	1.87
C402	15CS72	Advanced Computer Architectures	1.89
C403	15CS73	Machine Learning	2.10
C404	15CS742	Cloud Computing and its Applications	2.20
C405	15CS754	Storage Area Networks	2.16
C406	15CSL76	Machine Learning Laboratory	2.86
C407	15CSL77	Web Technology Laboratory with Mini Project	2.74
C408	15CSP78	Project Phase - I + Seminar	2.93

Course	Course Code	Course Name	CO Attainment
C409	15CS81	Internet of Things and Applications	2.12
C410	15CS82	BIG Data Analytics	2.34
C411	15CS832	User Interface Design	2.37
C412	15CS833	Network Management	2.37
C413	15CS84	Internship-Professional Practice	2.83

C414	15CSP85	Project Work Phase – II	2.92
C415	15CSS86	Seminar	2.95

Processes used for measuring the attainment of each of the Program Outcomes and Program Specific Outcomes

2014-2018 Batch PSO Attainment			
CO	**PSO1**	**PSO2**	**PSO3**
C101	1.00	2.00	3.00
C102	3.00	1.67	2.00
C103	3.00	1.67	2.00
C104	3.00	1.67	2.00
C105	3.00	1.67	2.00
C106	3.00	1.67	2.00
C107	3.00	1.67	2.00
C108	3.00	1.67	2.00
C109	3.00	1.67	2.00
C110	3.00	1.67	2.00
C111	3.00	1.67	2.00
C112	3.00	1.67	2.00
C113	3.00	1.67	2.00
C114	3.00	1.67	2.00
C115	3.00	1.67	2.00
C116	3.00	1.67	2.00
C201	3.00	1.67	2.00
C202	2.00	2.00	1.67
C203	2.00	2.00	1.67
C204	2.00	1.67	1.67
C205	2.40	2.40	2.40
C206	3.00	1.67	2.00
C207	3.00	1.67	2.00
C208	3.00	1.67	2.00
C209	3.00	1.67	2.00
C210	3.00	1.67	2.00
C211	3.00	1.67	2.00
C212	3.00	1.67	2.00

C213	3.00	1.67	2.00
C214	3.00	1.67	2.00
C215	3.00	1.67	2.00
C216	3.00	1.67	2.00
C301	3.00	1.67	2.00
C302	3.00	1.67	2.00
C303	3.00	1.67	2.00
C304	3.00	1.67	2.00
C305	3.00	1.67	2.00
C306	3.00	1.67	2.00
C307	3.00	1.67	2.00
C308	3.00	1.67	2.00
C309	3.00	1.67	2.00
C310	3.00	1.67	2.00
C311	3.00	1.67	2.00
C312	3.00	1.67	2.00
C313	3.00	1.67	2.00
C314	3.00	1.67	2.00
C315	3.00	1.67	2.00
C316	3.00	1.67	2.00
C401	3.00	1.67	2.00
C402	3.00	1.67	2.00
C403	3.00	1.67	2.00
C404	3.00	1.67	2.00
C405	3.00	1.67	2.00
C406	3.00	1.67	2.00
C407	3.00	1.67	2.00
C408	3.00	1.67	2.00
C409	3.00	1.67	2.00
C410	3.00	1.67	2.00
C411	3.00	1.67	2.00
C412	3.00	1.67	2.00
C413	3.00	1.67	2.00

C414	3.00	1.67	2.00
C415	3.00	1.67	2.00

2015-2019 Batch PSO Attainment			
CO	**PSO1**	**PSO2**	**PSO3**
C101	1.00	2.00	3.00
C102	3.00	1.67	2.00
C103	3.00	1.67	2.00
C104	3.00	1.67	2.00
C105	3.00	1.67	2.00
C106	3.00	1.67	2.00
C107	3.00	1.67	2.00
C108	3.00	1.67	2.00
C109	3.00	1.67	2.00
C110	3.00	1.67	2.00
C111	3.00	1.67	2.00
C112	3.00	1.67	2.00
C113	3.00	1.67	2.00
C114	3.00	1.67	2.00
C115	3.00	1.67	2.00
C116	3.00	1.67	2.00
C201	3.00	1.67	2.00
C202	3.00	1.67	2.00
C203	3.00	1.67	2.00
C204	3.00	1.67	2.00
C205	3.00	1.67	2.00
C206	3.00	1.67	2.00
C207	3.00	1.67	2.00
C208	3.00	1.67	2.00
C209	3.00	1.67	2.00
C210	3.00	1.67	2.00

C211	3.00	1.67	2.00
C212	3.00	1.67	2.00
C213	3.00	1.67	2.00
C214	3.00	1.67	2.00
C215	3.00	1.67	2.00
C216	3.00	1.67	2.00
C217	3.00	1.67	2.00
C218	3.00	1.67	2.00
C301	3.00	1.67	2.00
C302	3.00	1.67	2.00
C303	3.00	1.67	2.00
C304	3.00	1.67	2.00
C305	3.00	1.67	2.00
C306	3.00	1.67	2.00
C307	3.00	1.67	2.00
C308	3.00	1.67	2.00
C309	3.00	1.67	2.00
C310	3.00	1.67	2.00
C311	3.00	1.67	2.00
C312	3.00	1.67	2.00
C313	3.00	1.67	2.00
C314	3.00	1.67	2.00
C315	3.00	1.67	2.00
C316	3.00	1.67	2.00
C401	3.00	1.67	2.00
C402	3.00	1.67	2.00
C403	3.00	1.67	2.00
C404	3.00	1.67	2.00
C405	3.00	1.67	2.00
C406	3.00	1.67	2.00
C407	3.00	1.67	2.00
C408	3.00	1.67	2.00
C409	3.00	1.67	2.00

C410	3.00	1.67	2.00
C411	3.00	1.67	2.00
C412	3.00	1.67	2.00
C413	3.00	1.67	2.00
C414	3.00	1.67	2.00
C415	3.00	1.67	2.00

2016-2020 Batch PSO Attainment			
CO	PSO1	PSO2	PSO3
C101			
C102	1.75		
C103			
C104			
C105			
C106			
C107	2.00	2.00	
C108	2.00	2.00	2.00
C109			
C110			
C111			
C112	3.00	2.50	
C113			
C114			
C115	3.00	1.67	2.00
C116			
C201			
C202	2.00	2.50	2.00
C203	2.33	2.67	
C204	3.00	2.33	
C205	2.33	3.00	
C206	2.33	2.00	
C207	2.00	2.00	
C208	2.67	2.50	

C209			
C210			
C211	3.00		
C212	3.00	3.00	
C213	2.33	3.00	
C214	2.67	2.67	
C215	2.33	2.67	
C216	2.00	3.00	
C217		3.00	
C218			
C301		1.50	2.00
C302		1.50	2.00
C303		2.00	2.00
C304	1.60	1.00	1.40
C305	2.75	3.00	
C306	2.50	3.00	
C307		2.00	
C308			
C309	2.40	2.00	
C310	2.00		
C311	2.50	2.00	3.00
C312	3.00	3.00	
C313	2.00		
C314	2.20	2.33	
C315	2.00	1.00	
C316	2.00		
C401	3.00	1.00	1.33
C402	2.00	1.00	1.50
C403	2.00	1.00	1.50
C404	1.50	2.00	1.50
C405	2.00	2.00	1.00
C406	2.00	1.00	1.00
C407	1.50	1.67	1.00

C408	3.00	3.00	
C409	3.00	3.00	
C410	2.00	3.00	
C411	1.50	2.00	1.50
C412	3.00	2.50	2.00
C413	2.00	2.50	
C414	2.80	2.40	
C415	2.00	3.00	

Provide results of evaluation of PO&PSO

PO Attainment

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C101	2.08	2.08	2.08	0	0	0	0	0	0	0	0	2.08
C102	1.90	1.90	0	0	0	0	0	0	0	0	0	0
C103	1.95	1.93	1.95	1.93	1.94	1.93	1.92	0	1.94	0	0	1.94
C104	2.45	2.45	2.45	2.45	2.40	0	0	0	2.45	0	2.50	2.40
C105	2.10	2.00	0	0	0	0	0	0	0	0	0	0
C106	2.50	0	0	0	2.70	2.50	0	2.50	0	0	2.40	2.70
C107	2.67	2.67	0	0	0	0	0	0	0	0	0	0
C108	2.80	2.75	2.80	0	2.80	0	0	0	0	0	0	2.90
C109	1.85	1.85	1.85	0	0	0	0	0	0	0	0	1.85
C110	1.95	1.90	1.95	0	2.00	0	1.95	0	0	0	0	1.90
C111	1.90	1.93	1.80	1.80	1.80	0	0	0	0	0	0	0
C112	1.95	2.00	2.00	0	1.80	0	0	0	0	0	0	0
C113	1.55	1.60	0	0	0	0	0	0	1.60	0	0	0
C114	2.43	2.47	2.60	2.60	2.60	0	0	0	0	0	0	0
C115	2.53	2.50	2.50	2.40	2.40	2.70	2.55	0	2.55	2.55	0	0
C116	2.50	2.40	2.50	2.40	2.57	2.57	2.60	0	2.45	0	0	2.60
C201	1.80	1.80	1.80	0	0	0	0	0	0	0	0	1.80
C202	1.68	1.80	1.70	0	1.65	0	0	0	0	0	0	1.60

C203	2.03	2.15	1.95	0	0	0	0	0	0	0	0	0
C204	1.70	1.73	0	0	0	0	0	0	0	0	0	0
C205	1.74	1.75	0	1.75	0	0	0	0	0	0	0	1.74
C206	1.56	1.56	0	0	0	0	0	0	0	0	0	0
C207	2.57	2.55	2.55	0	2.70	0	0	0	0	0	0	2.60
C208	2.60	2.40	2.30	0	0	0	0	0	0	0	0	0
C209	2.70	2.75	0	0	0	0	0	0	0	0	0	0
C210	1.96	1.96	1.96	0	0	0	0	0	0	0	0	1.96
C211	1.87	1.80	1.80	0	0	0	0	1.95	0	0	0	1.78
C212	1.85	1.90	1.80	0	0	0	0	0	0	0	1.70	0
C213	1.67	1.85	0	0	0	0	0	0	0	0	0	0
C214	1.60	1.70	1.60	0	0	0	0	0	0	0	0	0
C215	1.70	1.80	0	1.70	0	0	0	0	0	0	0	0
C216	2.30	2.10	2.10	2.10	0	0	0	0	0	0	0	2.10
C217	2.50	2.40	0	0	2.40	0	0	0	2.33	2.20	0	0
C218	2.85	2.70	0	0	0	0	0	0	0	0	0	0
C301	1.95	1.95	0	0	0	1.930	1.93	1.90	2.00	1.87	1.90	2.00
C302	1.98	1.98	0	1.97	1.90	0	0	0	0	1.95	1.90	0
C303	1.63	0	1.65	0	1.60	0	0	0	0	1.60	1.70	0
C304	1.72	0	1.72	1.72	1.72	1.72	0	1.80	0	1.73	1.72	0
C305	1.88	1.85	1.90	0	0	0	0	0	0	0	0	0
C306	1.97	1.80	2.10	0	0	0	0	0	0	0	0	0
C307	2.40	2.40	0	2.40	2.40	0	0	0	0	0	0	2.40
C308	2.48	0	2.48	0	2.48	0	0	0	0	0	0	0
C309	1.97	2.20	0	2.10	0	0	0	0	0	0	0	0
C310	1.87	1.80	0	0	0	0	0	0	0	2.00	0	1.90
C311	1.97	1.90	1.93	0	1.85	0	0	0	0	0	0	0
C312	2.00	2.10	0	0	2.05	0	0	0	0	0	0	0
C313	1.97	2.10	0	0	0	0	0	0	0	2.20	0	2.03
C314	1.73	1.80	0	0	0	0	0	0	0	0	0	1.60
C315	2.35	2.35	0	0	2.40	0	0	0	0	0	0	0
C316	2.55	2.30	0	0	0	0	0	0	0	2.60	0	2.65
C401	1.82	1.82	1.82	0	0	0	0	0	0	0	0	1.82

C402	1.90	1.90	1.90	0	0	0	0	0	0	0	0	1.90
C403	2.06	2.06	2.06	2.06	2.06	0	0	0	0	0	0	0
C404	2.18	2.18	2.18	0	0	0	0	0	0	0	0	2.18
C405	2.12	2.15	2.15	0	0	0	0	0	0	0	2.12	2.12
C406	2.78	2.78	2.78	0	0	0	0	0	2.78	0	0	2.78
C407	2.78	2.78	2.78	0	0	0	0	0	0	0	0	2.78
C408	2.80	2.80	2.80	2.80	2.70	2.90	2.90	2.70	2.70	0	2.70	2.80
C409	2.13	2.15	0	2.00	0	0	0	0	0	0	0	0
C410	2.38	2.20	2.40	2.30	0	0	0	0	0	0	0	0
C411	2.40	2.40	2.40	0	0	0	0	0	0	0	0	2.40
C412	2.43	2.40	0	2.60	2.20	0	0	0	0	0	0	2.40
C413	2.80	2.75	0	0	2.75	0	0	0	2.70	2.70	0	0
C414	2.85	2.87	2.80	2.85	2.80	2.90	2.90	2.80	2.90	2.90	2.88	2.88
C415	2.90	2.90	0	2.90	0	0	0	2.90	0	2.90	0	2.90

PO Attainment Level

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO Attainment	2.24	2.22	2.23	2.29	2.31	2.42	2.41	2.39	2.43	2.32	2.23	2.28
Direct Attainment	2.16	2.16	2.16	2.24	2.26	2.39	2.39	2.36	2.40	2.27	2.15	2.23
InDirect Attainment	2.57	2.47	2.51	2.49	2.51	2.54	2.5	2.49	2.53	2.5	2.53	2.49

PSO Attainment

Course	PSO1	PSO2	PSO3
C101	0	0	0
C102	1.90	0	0
C103	0	0	0
C104	0	0	0
C105	0	0	0
C106	0	0	0
C107	2.73	2.67	0
C108	2.85	2.77	2.70
C109	0	0	0
C110	0	0	0

C111	0	0	0
C112	1.95	2.00	0
C113	0	0	0
C114	0	0	0
C115	2.55	2.57	2.50
C116	0	0	0
C201	0	0	0
C202	1.70	1.70	1.70
C203	2.07	2.00	0
C204	1.70	1.73	0
C205	1.75	1.76	0
C206	1.55	1.56	0
C207	2.50	2.50	0
C208	2.43	2.45	0
C209	0	0	0
C210	0	0	0
C211	1.70	0	0
C212	1.85	1.80	0
C213	1.67	1.85	0
C214	1.67	1.60	0
C215	1.67	1.70	0
C216	2.30	2.10	0
C217	0	2.40	0
C218	0	0	0
C301	0	1.80	2.00
C302	0	1.95	1.80
C303	0	1.65	1.80
C304	1.72	1.72	1.72
C305	1.90	1.88	0
C306	2.00	1.80	0
C307	0	2.40	0
C308	0	0	0
C309	2.04	2.00	0

C310	1.87	0	0
C311	1.90	2	2
C312	2.05	1.95	0
C313	1.97	0	0
C314	1.76	1.77	0
C315	2.35	2.40	0
C316	2.55	0	0
C401	1.90	1.90	1.80
C402	1.90	2.00	1.93
C403	2.05	2.10	2.00
C404	2.05	2.25	2.25
C405	2.05	2.20	2.30
C406	2.80	2.70	2.80
C407	2.80	2.73	2.80
C408	2.80	2.77	0
C409	2.13	2.15	0
C410	2.40	2.25	0
C411	2.30	2.45	2.55
C412	2.43	2.40	2.45
C413	2.70	2.80	0
C414	2.88	2.88	0
C415	2.90	2.90	0

PSO Attainment Level

Course	**PSO1**	**PSO2**	**PSO3**
CO Attainment	2.22	2.23	2.24
Direct Attainment	2.15	2.16	2.18
InDirect Attainment	2.52	2.51	2.47

STUDENTS' PERFORMANCE :

Table 1

Item (Information to be provided cumulatively for all the shifts with explicit headings, wherever applicable)	2020-21 (CAY)	2019-20 (CAYm1)	2018-19(CAYm2)	2017-18(CAYm3)	2016-17(CAYm4)	2015-16 (CAYm5)	2014-15 (CAYm6)
Sanctioned intake of the program(N)	120	120	120	120	120	120	120
Total number of students admitted in first year minus number of students migrated to other programs/ institutions plus No. of students migrated to this program (N1)	119	116	97	85	101	99	97
Number of students admitted in 2nd year in the same batch via lateral entry (N2)	0	2	16	12	5	7	8
Separate division students, If applicable (N3)	8	7	6	6	6	6	6
Total number of students admitted in the programme(N1 + N2 + N3)	127	125	119	103	112	112	111

Table 2

Year of entry	Total No of students admitted in the program (N1 + N2 + N3)	Number of students who have successfully graduated without backlogs in any semester/ year of study (Without Backlog means no compartment or failures in any semester/ year of study)			
		I year	II year	III year	IV year
2020-21 (CAY)	127	0	0	0	0
2019-20 (CAYm1)	125	79	0	0	0
2018-19 (CAYm2)	119	45	46	0	0
2017-18 (CAYm3)	103	48	44	42	0
2016-17 (LYG)	112	55	40	37	35
2015-16 (LYGm1)	112	56	41	37	34
2014-15 (LYGm2)	111	49	44	39	37

Year of entry	Total No of students admitted in the program (N1 + N2 + N3)	Number of students who have successfully graduated in stipulated period of study) [Total of with Backlog + without Backlog]			
		I year	II year	III year	IV year
2020-21 (CAY)	127	0	0	0	0
2019-20 (CAYm1)	125	117	0	0	0
2018-19 (CAYm2)	119	90	106	0	0
2017-18 (CAYm3)	103	81	93	89	0
2016-17 (LYG)	112	107	103	98	96
2015-16 (LYGm1)	112	105	102	93	93
2014-15 (LYGm2)	111	103	93	86	86

Enrolment Ratio

	N (From Table 4.1)	N1 (From Table 4.1)	Enrollment Ratio [(N1/N)*100]
2020-21 (CAY)	120	119	99.17
2019-20 (CAYm1)	120	116	96.67
2018-19 (CAYm2)	120	97	80.83

Average [(ER1 + ER2 + ER3) / 3] : 92.22

Success Rate in the stipulated period of the program

Success rate without backlogs in any semester / year of study

Item	Latest Year of Graduation, LYG (2016-17)	Latest Year of Graduation minus 1, LYGm1 (2015-16)	Latest Year of Graduation minus 2 LYGm2 (2014-15)
X Number of students admitted in the corresponding First year + admitted in 2nd year via lateral entry and seperated division, if applicable	112.00	112.00	111.00
Y Number of students who have graduated without backlogs in the stipulated period	35.00	34.00	37.00
Success Index [SI = Y / X]	0.31	0.30	0.33

Average SI [(SI1 + SI2 + SI3) / 3] : 0.31

Assessment [25 * Average SI] : 7.75

Sucess rate in stipulated period

Item	Latest Year of Graduation, LYG (2016-17)	Latest Year of Graduation minus 1, LYGm1 (2015-16)	Latest Year of Graduation minus 2 LYGm2 (2014-15)
X Number of students admitted in the corresponding First year + admitted in 2nd year via lateral entry and seperated division, if applicable	112.00	112.00	111.00
Y Number of students who have graduated in the stipulated period	96.00	93.00	86.00
Success Index [SI = Y / X]	0.86	0.83	0.77

Average SI[(SI1 + SI2 + SI3) / 3]: 0.82

Assessment [15 * Average SI] : 12.30
f 100%

Academic Performance in Third Year

Academic Performance	CAYm3 (2017-18)	LYG (2016-17)	LYGm1 (2015-16)
Mean of CGPA or mean percentage of all successful students(X)	7.33	6.23	5.89
Total number of successful students(Y)	89.00	98.00	93.00
Totalnumber of students appeared in the examination(Z)	93.00	103.00	102.00
API [X*(Y/Z)]:	7.01	5.93	5.37

Average API [(AP1 + AP2 + AP3)/3] : 6.10

Assessment [1.5 * AverageAPI] : 9.16

Academic Performance in Second Year

Academic Performance	CAYm2 (2018-19)	CAYm3 (2017-18)	LYG (2016-17)
Mean of CGPA or mean percentage of all successful students(X)	7.33	6.54	5.83
Total number of successful students (Y)	106.00	93.00	103.00
Total number of students appeared in the examination (Z)	125.00	109.00	118.00
API [X * (Y/Z)]	6.22	5.58	5.09

Average API [(AP1 + AP2 + AP3)/3] : 5.63

Assessment [1.5 * AverageAPI] : 8.44

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