Part B-Program Assessment Worksheet Program Level Criteria - To be Assessed by Evalutaor

			Program Level Criteria - 10 De Asses	33CU	Dy L	aiuta	O1
	Name of the InstitutionName of the Program						
riterio	n 1: Vision, Mission and Program Educa	tional Obje	ctives (50)				
S.No.	Sub Criteria	Max.	Evaluation Guidelines (Marks)	Marks A	Awarded	Overall	Observations of Evaluators (Pro
		Marks	·	Marks	Total	Marks	Justifications/ Reasons)
			A. Availability of statements (1)				
1.1.	State the Vision and Mission of the	5	B. Appropriateness/Relevance of the Statements (2)				ı
1.1.	Department and Institute	3	C. Consistency of the Department statements with the Institute statements (2)				
1.2.	State the Program Educational Objectives (PEOs)	5	Program Educational Objectives (3 to 5) (5) Appropriateness				
			A. Adequacy in respect of publication & dissemination (2)				
1 2	Indicate where and how the Vision, Mission and PEOs are published and	10	B. Process of dissemination among stakeholders (2)				I
1.5.	disseminated among stakeholders	10	C. Extent of awareness of Vision, Mission & PEOs among the stakeholder (6)				
1.4.	State the process for defining the Vision and Mission of the Department,	15	A. Description of process for defining the Vision, Mission of the Department (7)				
1.4.	and PEOs of the program	13	B. Description of process for defining the PEOs of the program (8)				

A. Preparation of a matrix of mapping PEOs and elements of Mission

B. Consistency/justification of mapping of the matrix (10)

statement (5)

15

50

Criterion 2: Program Curriculum and Teaching – Learning Processes (200)

Establish consistency of PEOs with

Mission of the Department

1.5.

Total of Criterion 1:

S.No.	.No. Sub Criteria	Max.	Evaluation Guidelines	Marks Awarded		Overall	Observations of Evaluators (Provide
		Marks		Marks	Total	Marks	Justifications/ Reasons)
2.1.	Program Curriculum	40					
	State the process used to identify extent of compliance of the Board curriculum for attaining the Program		A. Process used to identify extent of compliance of Board curriculum for attaining POs & PSOs (15)				
	Outcomes (POs) & Program Specific Outcomes (PSOs), mention the identified curricular gaps, if any		B. List the curricular gaps for the attainment of POs & PSOs (10)			Overall Marks for 2.1	
	State the delivery details of the		A. A. Steps taken to get identified gaps included in the curriculum (eg. letters to Board) (2)				

Overall Marks for Criterion 1:

S.No.	Sub Criteria	Max. Marks	Evaluation Guidelines (Marks)	Marks A	Awarded Total	Overall Marks	Observations of Evaluators (Provide Justifications/ Reasons)
	content beyond the syllabus for the attainment of POs & PSOs	15	B. Delivery details of content beyond syllabus (10)				
	attailinent of POS & PSOS		C. Mapping of content beyond syllabus with the POs & PSOs (3)				

S.No.	Sub Criteria	Max.	Evaluation Guidelines (Marks)	Marks /	Awarded	Overall	Observations of Evaluators (Provide
3.NO.	Sub Criteria	Marks	Evaluation Guidelines (Warks)	Marks	Total	Marks	Justifications/ Reasons)
2.2.	Teaching-Learning Processes	160					
			A. Adherence to Academic Calendar (3)				
			B. Use of various instructional planning and delivery methods (3)				
			C. Methodologies to support weak students and encourage bright students (4)				
2.2.1	Describe the Process followed to improve quality of Teaching Learning	25	D. Quality of classroom teaching (Observation in a Class) (3)				
			E. Conduct of experiments (Observation in Lab) (3)				
			F. Continuous Assessment in the laboratory (3)				
			G. Student feedback on teaching learning process and actions taken (6)				
			A. Process for internal semester question paper setting, evaluation and effective process implementation (5)				
2.2.2.	Quality of Semester Test and Assignments.	15	B. Process to ensure questions from outcomes/learning levels perspective (5)				
			C. Evidence of COs coverage in class test / mid-term tests and Assignments (5)				
			A. Experimental Methodology (5)				
2.2.3.	Quality of experiments	15	B. Innovative experiments including industry attached practices, virtual labs (05)				
			B. Relevance of the experiments and their contribution towards attainment of POs and PSOs(5)				
			A. Identification of projects and allocation methodology (3)			Overall Marks for	
			B. Types and relevance of the projects and their contribution towards attainment of POs and PSOs(5)			2.2	
2.2.4.	Quality of Students Projects and	35	C. Process for monitoring and evaluation (5)				
2.2.1.	Report Writing	33	D. Process to assess individual and team performance (5)				
			E. Quality of deliverable, working prototypes (12)				
			F. Papers published /Awards/ Recognition received by projects at State/ National level (5)				
			A. Industry supported laboratories (2)				
			B. Delivery of appropriate Course work by industry experts (5)				
			C. Industrial visits/tours for students (3)				
2.2.5.	Industry interaction and industry	30	D. Industrial training/ internship (5) (Marks to be given proportionately i.e.				
۷.۷.۶.	internship/summer training	30	100% student attended = 05 Marks; 90% students attended = 04, Marks and so				
			on) E. Post training/ internship Assessment (10)				
					-		
			F. Contribution to Community related projects/activities (05)]	

S.No.	Sub Criteria	Max.	Evaluation Guidelines (Marks)	Marks /	Awarded	Overall	Observations of Evaluators (Provide
		Marks	, , , ,	Marks	Total	Marks	Justifications/ Reasons)
2.2.6.	Information Access Facilities and Student Centric Learning Initiatives	15	A. Availability of facilities & Effective Utilization; specify the facilities, materials and scope for self-learning, Webinars, NPTEL Podcast, MOOCs etc. (10)				
	0		B. Student Centric Learning Initiatives & Effective Implementation (5)				

6.11	0.1.0.7.	Max.	5 1 11 2 11 11 12 12	Marks	Awarded	Overall	Observations of Evaluators (Provide
S.No.	Sub Criteria	Marks	Evaluation Guidelines (Marks)	Marks	Total	Marks	Justifications/ Reasons)
2.2.7.	New Initiatives for embedding Professional Skills	15	A. Core employability skill enhancement initiatives and effective implementation (8)				
	Professional skills		B. Personality development related Initiatives & effective implementation (7)				
2.2.8.	Co-curricular & Extra Curricular Activities	10					
Total o	f Criterion 2:	200	Overal	l Marks for	Criterion 2		
Criterio	on 3: Course Outcomes and Program Out	tcomes (100	0)				
S.No.	Sub Criteria	Max.	Evaluation Guidelines		Awarded	Overall	Observations of Evaluators (Provide
		Marks		Marks	Total	Marks	Justifications/ Reasons)
3.1.	Establish the correlation between the courses and the POs & PSOs	20					
3.1.1.	Course Outcomes	5	Evidence of COs being defined for every course (5)			0	
3.1.2.	CO-PO/PSOs matrices of courses selected in 3.1.1 (six matrices)	5	Explanation of table to be ascertained (5)			Overall Marks for 3.1	
3.1.3.	Program level Course-PO/PSOs matrix of ALL courses including first year courses	10	Explanation of tables to be ascertained (10)				
3.2.	Attainment of Course Outcomes	40					
	Describe the assessment processes used to gather the data upon which		A. List of assessment processes (5)				
3.2.1.	the evaluation of Course Outcome is based	10	B. The quality /relevance of assessment processes & tools used (5)			Overall Marks for	
3.2.2.	Record the attainment of Course Outcomes of all courses with respect to set attainment levels	30	Verify the attainment levels as per the benchmark set for all courses (30)			3.2	
3.3.	Attainment of Program Outcomes and Program Specific Outcomes	40					
224	Describe assessment tools and	10	A. List of assessment tools & processes (2)			Overall	
3.3.1.	processes used for assessing the attainment of each of the POs & PSOs	10	B. The quality/relevance of assessment tools/processes used (8)			Marks for	
3.3.2.	Provide results of evaluation of each PO & PSO	30	A. Verification of documents, results and level of attainment of each PO/PSO (20)				
	ru α rsu		B. Overall levels of attainment (10)				
Total o	f Criterion 3:	100	Overal	l Marks for	Criterion 3		

S.No.	Sub Criteria	Max.	Evaluation Guidelines (Marks)	Marks /	Awarded	Overall	Observations of Evaluators (Provide
3.NO.	Sub Criteria	Marks	Evaluation Guidelines (Warks)	Marks	Total	Marks	Justifications/ Reasons)
Criterio	on 4: Students' Performance (200)	D.4		Mauls-		0!	Observations of Fredrick and Decision
S.No.	Sub Criteria	Max. Marks	Evaluation Guidelines	Marks	Awarded Total	Overall Marks	Observations of Evaluators (Provide Justifications/ Reasons)
			A. >= 90% students enrolled at the First Year Level on average basis during the period of assessment (20) B. >= 80% students enrolled at the First Year Level on average basis during the				· · · · · · · · · · · · · · · · · · ·
			period of assessment (18)				
4.1.	Enrolment Ratio (20)	20	C. >= 70% students enrolled at the First Year Level on average basis during the period of assessment (16)			Overall Marks for	Mention Numbers
4.1.	Linoinient Ratio (20)	20	D. >= 60% students enrolled at the First Year Level on average basis during the period of assessment (12)			4.1	Mention Numbers
			E. >= 50% students enrolled at the First Year Level on average basis during the period of assessment (8)				
			F. <50% Students enrolled at the First Year Level on average basis during the period of assessment (0)				
4.2.	Success Rate in the stipulated period of the program	60					
4.2.1.	Success rate without backlogs in any year of study Without Backlog means no compartment or failures in any semester/year of study	40	SI= (Number of students who have passed from the program without backlog)/ (Number of students admitted in the first year of that batch plus actually admitted in 2nd year via lateral entry) Average SI = Mean of success index (SI) for past three batches Success rate without backlogs in any year of study = 40 × Average SI			Overall Marks for 4.2 Overall Marks for 4.3	Mention Numbers
4.2.2.	Success rate in stipulated period (actual duration of the program) [Total of with backlog + without backlog]	20	SI= (Number of students who have passed from the program in the stipulated period of course duration)/ (Number of students admitted in the first year of that batch plus actually admitted in 2nd year via lateral entry) Average SI = mean of success index (SI) for past three batches Success rate = 20 × Average SI				Mention Numbers
4.3.	Academic Performance in First Year	25	Academic Performance Level = 2.5 * Average API API = ((Mean of 1st Year Grade Point Average of all successful Students on a 10 point scale) or (Mean of the percentage of marks of all successful students in First Year/10)) x (successful students/number of students appeared in the examination). Successful students are those who are permitted to proceed to the second year.				Mention Numbers

S.No.	Sub Criteria	Max.	Evaluation Guidelines (Marks)	Marks A	warded	Overall	Observations of Evaluators (Provide
3.110.	Sub Criteria	Marks	Evaluation Guidennes (Iviai ks)	Marks	Total	Marks	Justifications/ Reasons)
4.4.	Academic Performance in Second Year		Academic Performance Level = 2.0 * Average API API = ((Mean of 2ndYear Grade Point Average of all successful Students on a 10 point scale) or (Mean of the percentage of marks of all successful students in Second Year/10)) x (successful students/number of students appeared in the examination) Successful students are those who are permitted to proceed to the final year (third year)			Overall Marks for 4.4	Mention Numbers
4.5.	Academic Performance in Final Year (3 rd Year)	15	Academic Performance Level = 1.5 * Average API (Academic Performance Index) API = ((Mean of Final Year Grade Point Average of all successful Students on a 10 point scale) or (Mean of the percentage of marks of all successful student sin Second Year/10)) x (successful students/number of students appeared in the examination)			Overall Marks for 4.5	Mention Numbers
4.6.	Placement and Higher studies	40	Assessment Points = 40 X Average placement Average placement= (P1 + P2 + P3)/3 Placement Index (P): (1.25X + Y + Z)/N where, X = Number of students placed in companies or Government sector through on/off campus recruitment Y = Number of students admitted to higher studies Z = No. of students turned entrepreneur in the respective field of engineering/technology N = Total number of final year students			Overall Marks for 4.6	Mention Numbers
4.7.	Professional Activities	20					
474	Professional societies/chapters and	40	A. Availability & activities of professional societies/chapters (5)				
4.7.1.	organizing engineering events	10	B. Number, quality of engineering events (organized at institute) (5)				
4.7.2.	Publication of technical magazines,	5	A. Quality & Relevance of the contents and Print Material (3)			Overall Marks for	
	newsletters, etc.	•	B. Participation of Students from the program (2)			4.7	
	Participation in inter-institute / state/national events by students of the program of study	5					
Total o	f Criterion 4:	200	Overall	Marks for (Criterion 4:		

S.No.	Sub Criteria	Max.	Evaluation Guidelines (Marks)	Marks	Awarded	Overall	Observations of Evaluators (Provide
3.NO.	Sub Criteria	Marks	Evaluation Guidelines (Warks)	Marks	Total	Marks	Justifications/ Reasons)
Criterio	on 5: Faculty Information and Contribution Sub Criteria	ons (150) Max. Marks	Evaluation Guidelines	Marks Marks	Awarded Total	Overall Marks	Observations of Evaluators (Provide Justifications/ Reasons)
5.1.	Student-Faculty Ratio (SFR)	25	Marks to be given proportionally from a maximum of 25 to a minimum of 10 for average SFR between 25:1 to 30:1, and zero for average SFR higher than 30:1. Marks distribution is given as below: < = 25 - 25 Marks < = 26 - 22 Marks < = 27 - 20 Marks < = 29 - 12 Marks < = 30 - 10 Marks Note: All the faculty whether regular or contractual (except part-time or hourly based), will be considered. The contractual faculty appointed with any terminology whatsoever, who have taught for 2 consecutive semesters with or without break between the 2 semesters in corresponding academic year on full-time basis shall be considered for the purpose of calculation in the faculty student ratio. However, following will be ensured in case of contractual faculty: 1. Shall have the AICTE prescribed qualifications and experience. 2. Shall be appointed on full time basis and worked for consecutive two semesters with or without break between the 2 semesters during the particular academic year under consideration. 3. Should have gone through an appropriate process of selection and the records of the same shall be made available to the visiting team during NBA visit	IVIDING	Total	Overall Marks for 5.1	Justineasions, recasons,
5.2.	Faculty Qualification	25				Overall Marks for	Mention numbers
5.2.1.	Faculty Qualification Index	20	FQ = $2* (10x +7y)/F$ where x is no. of faculty with M.Tech. (in case of humanities and science M.Phil./Ph.D.) and y is no. of faculty with B.Tech. (In case of humanities and science MA/M.sc), F is no. of faculty required to comply 1:25 Faculty Student Ratio. (20)				
5.2.2	Availability of Faculty/principal of that discipline with PhD. Qualification	5					
			>= 90% of required Faculties retained averaged over the period of assessment keeping CAYm2 as base year (20) >= 75% of required Faculties retained averaged over the period of assessment keeping CAYm2 as base year (15)				

S.No.	Sub Criteria	Max.	Evaluation Guidelines (Marks)	Marks A	Awarded	Overall	Observations of Evaluators (Provide
		Marks	, ,	Marks	Total	Marks	Justifications/ Reasons)
5.3.	Faculty Retention	20	>= 60% of required Faculties retained averaged over the period of assessment keeping CAYm2 as base year (10)			Overall Marks for	
			>= 50% of required Faculties retained averaged over the period of assessment keeping CAYm2 as base year (5)			5.3	
			<50% of required Faculties retained averaged over the period of assessment keeping CAYm2 as base year (0)				

		Max.		Marks A	Awarded	Overall	Observations of Evaluators (Provide
S.No.	Sub Criteria	Marks	Evaluation Guidelines (Marks)	Marks	Total	Marks	Justifications/ Reasons)
5.4.	Faculty as participants in Faculty development /training activities	42				Overall Marks for 5.4	Mention numbers
5.4.1	Faculty as participants in Faculty development/training activities conducted by other organizations	30	Assessment = 6 xsum/0.5 Required Faculty (Marks limited to 30) Faculty scores maximum 5 marks for participation. Participant in 2 to 5 days FDP - 3 Marks Participant in >5 days FDP - 5 Marks				
	Organized/ Conducted FDPs and STTP by this department at State / National Level	12	 Minimum 2 days program 2 points per program (max. upto 12 marks) 				
	Product Development, Consultancy, Manufacuring Contracts, Testing Contracts	8	5 marks in each based on documentary evidence			Overall Marks for 5.5	
5.6.	Faculty Performance Appraisal and Development System (FPADS)	30	A. A well-defined FPADS instituted for all the assessment years (5) B. Its implementation and effectiveness (15) C. Qualification up-gradation of faculty (10)			Overall Marks for 5.6	
Total:		150					
Criterio	on 6: Facilities and Technical Support (10	0)	L			I .	
6.11	6.1.6.71	Max.	5 1 11 6 11 11	Marks A	Awarded	Overall	Observations of Evaluators (Provide
S.No.	Sub Criteria	Marks	Evaluation Guidelines	Marks	Total	Marks	Justifications/ Reasons)
	Adequate and well equipped classrooms to meet the curriculum requirements	10				Overall Marks for 6.1	
	Availability of adequate and well-		A. Adequacy (10)			Overall Marks for	
6.2.	equipped workshops, Laboratories and Technical manpower to meet the	40	B. Quality of Labs/workshop (20)				
	curriculum requirements		C. Technical Manpower support –Eligible and Adequate (10)				
	Additional Facilities created for		A. Facilities (10)			Overall	
6.3.	improving the quality of learning	20	B. Effective Utilization (05)			Marks for	
	experience in Laboratories		C. Relevance to POs/PSOs (05)			6.4	
6.4.	Laboratories: Maintenance and overall ambiance	10				Marks for 6.5	
6.5.	Availability of computing facility in the department	10	Availability and Adequecy (10)			Overall Marks for 6.6	

S.No.	. Sub Criteria	Max. Evaluation Guidelines (Marks)	Evaluation Guidelines (Marks)	Marks Awarded		Overall	Observations of Evaluators (Provide
			·	Marks	Total	Marks	Justifications/ Reasons)
6.6.	Language Lab	10	Availability and effective utilization (10)			Overall Marks for 6.7	
Total of	f Criterion 6:	100	Overall	Marks for	Criterion 6:		

S.No.	Sub Criteria	Max. Marks	Evaluation Guidelines (Marks)	Marks Awarded Marks Total		Overall Marks	Observations of Evaluators (Provide Justifications/ Reasons)
Criterion 7: Continuous Improvement (75)							
S.No.	Sub Criteria	Max. Marks	Evaluation Guidelines	Marks Awarded		Overall Marks	Observations of Evaluators (Provide Justifications/ Reasons)
				Marks	Total		
7.1.	Actions taken based on the results of evaluation of each of the POs and PSOs	25	A. Documentation of POs and PSOs attainment levels (10)			Overall Marks for 7.1	
			B. Identification of gaps/shortfalls/ improvement from continuous improvement perspective (5)				
			C. Plan of action to bridge the gap and its Implementation (10)				
7.2.	Improvement in Success Index of Students without the backlogs	10	Assessment shall be proportinal to improvement (10)			Overall Marks for 7.2	
7.3.	Improvement in Placement and Higher Studies	10	Assessment is based on Nos., Quality Placements, Core Companies and Pay Packages(10)			Overall Marks for 7.3	
7.4.	Improvement in Academic Performance in Final Year	10	Assessment shall be proportinal to improvement (10)			Overall Marks for 7.4	
7.5.	Internal Academic Audits to Review Complete Academics & to Implement Corrective Actions on Continuous Basis	10	Marks to be given on the basis of the following: A. Audit Criteria B. Frequency C. Methodology D. Effectiveness E. Action Plan			Overall Marks for 7.5	
7.6.	New facility created	10	Relevance			Overall Marks for 7.6	
Total of Criterion 7:		75	Overall Marks for Criterion 7:				