



Bansilal Ramnath Agarwal Charitable Trust's
VISHWAKARMA INSTITUTE OF TECHNOLOGY, PUNE – 37
(An Autonomous Institute Affiliated to Savitribai Phule Pune University)

Academic Year 2020-21

Assessment Details – S.Y., T.Y. and Final year B.Tech.

I. 5 Credit Courses with Theory, Lab and Tutorial

Sr. No.	Type of Assessment	Conduction	Marks
1	Presentation	Tutorial week 5,6 and 7	100 Marks converted to 15 equivalent Marks
2	MCQ Exam – Section I	Mid Semester	30 Marks converted to 10 equivalent Marks
3	Group Discussion	Tutorial week 13,14 and 15	50 Marks converted to 15 equivalent Marks
4	Laboratory Work	Continuous Assessment	10 equivalent Marks
5	Course Project	End Semester Assessment	10 equivalent Marks
6	Home assignment	End of Semester	100 Marks converted to 10 equivalent Marks
7	MCQ Exam – Section II	End of Semester	30 Marks converted to 10 equivalent Marks
8	Comprehensive Viva Voce	End of Semester	100 Marks converted to 20 equivalent Marks

II. 4 Credit Courses with Theory and Lab

Sr. No.	Type of Assessment	Conduction	Marks
1	Presentation	Mid semester	100 Marks converted to 15 equivalent Marks
2	MCQ Exam – Section I	Mid Semester	30 Marks converted to 10 equivalent Marks
3	Group Discussion	End Semester	50 Marks converted to 15 equivalent Marks
4	Laboratory Work	Continuous Assessment	10 equivalent Marks
5	Course Project	End Semester Assessment	10 equivalent Marks
6	Home assignment	End of Semester	100 Marks converted to 10 equivalent Marks
7	MCQ Exam – Section II	End of Semester	30 Marks converted to 10 equivalent Marks
8	Comprehensive Viva Voce	End of Semester	100 Marks converted to 20 equivalent Marks

III. 2 Credit Final year B.Tech. Courses

Sr. No.	Type of Assessment	Conduction	Marks
1	MCQ Exam – Section I	Mid Semester	30 Marks converted to 30 equivalent Marks
2	Home Assignment	End of Semester	100 Marks converted to 10 equivalent Marks
3	MCQ Exam – Section II	End of Semester	30 Marks converted to 30 equivalent Marks
4	Comprehensive Viva Voce	End of Semester	100 Marks converted to 30 equivalent Marks

IV. EDI, SDP, Major Project & Semester Internship

Sr. No.	Type of Assessment	Conduction	Marks
1	Project / Internship activity Presentation	Mid Semester	50 Marks converted to 30 equivalent Marks
2	Project/ Internship activity Presentation & Demonstration	End Semester	100 Marks converted to 70 equivalent Marks



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Assessment Rubrics

I. Presentation Assessment

Details of Assessment – 100 Marks to be converted to 15 Marks.

To be conducted during the 5th, 6th and 7th week of the Academic Semester for a 5 Credit course

OR

To be conducted during the Mid Semester Assessment for a 4 Credit course

Format for Assessment

Sr. No.	Parameter	Marks
1	Contents of slides	25
2	Understanding of concepts	25
3	Presentation Skills	25
4	Performance in Question and Answer Session	25
	TOTAL	100



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II. a. EDI Assessment

1. Mid Semester Assessment – 50 Marks to be converted to 30 Marks.
2. End Semester Assessment – 100 Marks to be converted to 70 Marks.

Format for Mid Semester Assessment

Sr. No.	Parameter	Marks
1	Problem Statement	10
2	Literature Review	10
3	Group formation and identification of individual responsibility	10
4	Objective of Project activity	10
5	Knowledge of domain, technology and tools used /to be used	10
	TOTAL	50

Format for End Semester Assessment

Sr. No.	Parameter	Marks
1	Realization of project as per problem statement	10
2	Design & Testing	30
3	Documentation and Report Writing	20
4	Quality of Work	15
5	Performance in Question & Answers Session	15
6	Timely Completion of Project work	10
	TOTAL	100

II. b. ED Assessment

1. End Semester Assessment – 50 Marks

Format for End Semester Assessment

Sr. No.	Parameter	Marks
1	Technical Knowledge of Student	30
2	Interaction with faculty during the Semester	20
	TOTAL	50



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III. a. SDP Assessment

1. Mid Semester Assessment – 50 Marks to be converted to 30 Marks.
2. End Semester Assessment – 100 Marks to be converted to 70 Marks.

Format for Mid Semester Assessment

Sr. No.	Parameter	Marks
1	Problem Statement	10
2	Literature Review	15
3	Objective of Project activity	10
4	Knowledge of domain, technology and tools used /to be used	15
	TOTAL	50

Format for End Semester Assessment

Sr. No.	Parameter	Marks
1	Realization of project as per problem statement	10
2	Design & Testing	30
3	Documentation and Report Writing	20
4	Quality of Work	15
5	Performance in Question & Answers Session	15
6	Timely Completion of Project work	10
	TOTAL	100

III. b. SD Assessment

1. End Semester Assessment – 50 Marks

Format for End Semester Assessment

Sr. No.	Parameter	Marks
1	Technical Knowledge of Student	30
2	Interaction with faculty during the Semester	20
	TOTAL	50



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IV. Final Year B.Tech. Major Project

1. Mid Semester Assessment – 50 Marks to be converted to 30 Marks.
2. End Semester Assessment – 100 Marks to be converted to 70 Marks.

Format for Mid Semester Assessment

Sr. No.	Parameter	Marks
1	Problem Statement	10
2	Literature Review	10
3	Group formation and identification of individual responsibility	10
4	Objective of Project activity	10
5	Knowledge of domain, latest technology and modern tools used /to be used	10
	TOTAL	50

Format for End Semester Assessment

Sr. No.	Parameter	Marks
1	Realization of project as per problem statement	10
2	Design, Testing / Experimentation, Analysis / Validation	30
3	Documentation and Report Writing	20
4	Quality of Work	15
5	Performance in Question & Answers Session	15
6	Regular interaction with guide	10
	TOTAL	100



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V. Final Year Semester Internship

1. Mid Semester Assessment – 50 Marks to be converted to 30 Marks.
2. End Semester Assessment – 100 Marks to be converted to 70 Marks.

Format for Mid Semester Assessment

Sr. No.	Parameter	Marks
1	Problem Statement	10
2	Literature Review	10
3	Clarity about the objectives of Internship activity	10
4	Requirement Analysis, Internship Planning	10
5	Knowledge of domain, Latest technology and modern tools used /to be used	10
	TOTAL	50

Format for End Semester Assessment

Sr. No.	Parameter	Marks
1	Realization of Internship as per problem statement	10
2	Design, Testing / Experimentation, Analysis / Validation	30
3	Documentation and Report Writing	20
4	Quality of Work	15
5	Performance in Question & Answers Session	15
6	Regular interaction with guide	10
	TOTAL	100

Note: For the End Semester Assessment, it is expected that the Internship company guide is also involved. The Department is required to set up communication with the Internship company guide regarding the End Semester Assessment, requesting their availability, in the interest of fair and rigorous assessment. No remuneration is to be paid to Internal company guide. They are expected to be involved along with Examiner/s in the finalization of Marks. The participation from the Internship company guide is voluntary. If the company guide opts not to join the assessment activity, it may then be done by the appointed examiner/s only.



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VI. Group Discussion

1. End Semester Assessment – 100 Marks to be converted to 15 Marks.

Format for End Semester Assessment

Sr. No.	Parameter	Marks
1	Level of Participation	25
2	Knowledge of the Topic	15
3	Communication skill and Vocabulary	25
4	Critical Thinking	25
5	Overall Impression of Examiner	10
	TOTAL	100

Guidelines for assessment:

- a. Level of Participation: The student has enthusiastically demonstrated that the knowledge of the topic acquired from Theory, Tutorial, Laboratory, Project, Supplementary reading is reflected in the statements and arguments made during the Group Discussions. Has been an active orator and a passive listener at appropriate times during the course of the Group Discussion
- b. Knowledge of the Topic: The student is thorough in the content and concepts associated with the fundamental and applied aspects of the Topic. The participant contributed to clarify or synthesize other Group Discussion members' ideas. If disagreeing with other Group Discussion members' ideas, the student stated disagreement or objections consistent with the underlying technical concept clearly, yet politely.
- c. Communication skill and vocabulary: The student effectively and politely communicated with the peers and the Moderator faculty, articulating the thoughts using appropriate Academic and Technical words. The student avoided the use of mixed or non-English vocabulary
- d. Critical Thinking: The student is able to think clearly, and rationally and is able to logically connect various aspects of the topic being discussed. The student retained the ability to reason and stay focused, despite distractions, clutter and diversion experienced, if any, during the progress of the Group discussion. The student was able to think about the facts that emerged during the Group Discussion spontaneously. This ability is not the ability acquired by accumulation of facts and knowledge learned once in the past and used for ever.
- e. Overall impression of the moderator faculty: The moderator faculty would quantify their impression on the basis of parameters such as, but not limited to - Time management, response and respect to peers and moderator faculty, ethics followed, arguments and counter arguments losing the decorum of the activity etc.



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VII. Home Assignment

1. End Semester Assessment – 100 Marks to be converted to 15 Marks.

Format for End Semester Assessment

Home Assignment Type: Design

Sr. No.	Parameter	Marks
1	Design Statement: Novelty, Originality and concreteness	15
2	Understanding of Design	30
3	Engineering approach towards design	25
4	Communication and presentation skills	10
5	Design report, writeup, conclusion of Assignment	20
	TOTAL	100

Home Assignment Type: Survey

Sr. No.	Parameter	Marks
1	Comprehensiveness of the survey	15
2	Understanding of survey topic	20
3	Significance and relevance of survey findings	25
4	Communication and presentation skills	10
5	References, Bibliography, literature survey	10
6	Survey report, writeup, conclusion of Assignment	20
	TOTAL	100

Home Assignment Type: Blog

Sr. No.	Parameter	Marks
1	Comprehensiveness and overall coverage of the blog	20
2	Understanding of the blog topic	20
3	Ease of understanding of the blog for the reader	25
4	Aesthetic elements of blog and Originality of blog content	25
5	References, Bibliography, literature survey	10
	TOTAL	100

Home Assignment Type: Case Study

Sr. No.	Parameter	Marks
1	Clarity in definition of case study problem statement	10
2	Understanding of Case handled, tools and technology used	30
3	Approach of analysis of case	25
4	Significance and relevance of findings	25
5	References, Bibliography, literature survey	10
	TOTAL	100



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VIII. Comprehensive Viva Voce

1. End Semester Assessment – 100 Marks to be converted to 20 Marks.

Guidelines for assessment:

- The CVV enables a dialectic communication between the examiner/s and the student, providing invaluable experience for career interviews in future.
- The Comprehensive Viva Voce is a summative assessment. It is based on verbal interaction between Examiner/s and the students, covering the entire course contents.
- The student may be encouraged to explain the applicable concepts, ideas, views with the help of pen and paper/ Whiteboard screen/ Paint etc. if required.
- A balanced set of questions invoking diverse abilities such as analysis, synthesis, application, comparison, correlation, summary, classification, explanation, illustration, description etc. be set up, while covering entire course contents.
- Sufficient time is to be given for every student during the Viva Voce, to demonstrate the requisite abilities before arriving at the summative assessment score.

Prof. (Dr.) Ashutosh Marathe
Dean - Academics