



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

Academic Year 2022 – 23

Assessment Details – F.Y. B.Tech.

ES1035: Mechanics and Electronics ; ES 1024: Mechatronics and Robotics ;

ES 1044: Product Design and Development

Sr. No.	Type of Assessment	Conduction	Marks
1	Presentation	Week 5,6,7 and 8	30 Marks assessment (Part A)
2	Presentation	End Semester Assessment	70 Marks assessment (Part B) Total 100 Marks (Part A + Part B) converted to 20 equivalent Marks
3	Home Assignment	End Semester Assessment	100 Marks converted to 20 equivalent Marks
4	Course Project	End Semester Assessment	100 Marks converted to 20 equivalent Marks
5	Written Examination	End Semester Assessment	60 Marks converted to 20 equivalent Marks
6	Comprehensive Viva Voce	End Semester Assessment	100 Marks converted to 20 equivalent Marks

ES 1034: Problem Solving and Programming; ES 1038: Data Structures using Python

Sr. No.	Type of Assessment	Conduction	Marks
1	Laboratory work	During laboratory turns	100 Marks converted to 10 equivalent Marks
2	Course Project	End Semester Assessment	100 Marks converted to 10 equivalent Marks
3	Written Examination	End Semester Assessment	60 Marks converted to 20 equivalent Marks
4	Comprehensive Viva Voce	End Semester Assessment	100 Marks converted to 20 equivalent Marks
5	Programming Practical	End Semester Assessment	100 Marks converted to 40 Marks

ES 1043: Mathematics and Statistics; ES 1030: Discrete Mathematics

Sr. No.	Type of Assessment	Conduction	Marks
1	Tutorials	End Semester Assessment	100 Marks converted to 30 equivalent Marks
2	Home Assignment	End Semester Assessment	100 Marks converted to 30 equivalent Marks
3	Written Examination	End Semester Assessment	60 Marks converted to 40 equivalent Marks

ES 1031: Cognitive Aptitude; ES 1033: Human Engineering

Sr. No.	Type of Assessment	Conduction	Marks
1	Home Assignment	End Semester Assessment	100 Marks converted to 50 equivalent Marks
2	Written Examination (MCQ)	End Semester Assessment	100 Marks converted to 50 equivalent Marks

ES 1045: Computer Organization and Architecture

Sr. No.	Type of Assessment	Conduction	Marks
1	Comprehensive Viva Voce	End Semester Assessment	100 Marks converted to 30 equivalent Marks
2	Home Assignment	End Semester Assessment	100 Marks converted to 30 equivalent Marks
3	Written Examination	End Semester Assessment	60 Marks converted to 40 equivalent Marks



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HS 1037: General Proficiency; ES 1041: Design Thinking ; ES 1042: Design Thinking;

ES 1036: Engineering Design and Innovation

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

ES 1037: Mobile App Development

Sr. No.	Type of Assessment	Conduction	Marks
1	Laboratory Work	End Semester	100 Marks Continuous Assessment

Audit Courses: ES1014 Environmental Science; HS1027 Induction Training; HS1036 Indian Democracy and Constitution and HS1038 Professional Development

To be awarded grade **P** on completion of all assignments offered throughout entire semester. If the performance is not satisfactory **NP** grade will be awarded .


Prof. (Dr.) Ashutosh Marathe
Dean - Academics