



Symbiosis Institute of Technology, Pune
Master of Technology (Engineering Design)
Programme Structure 2022-24
(Full time- 2 year)
Programme code - 070150

Annexure A

Semester – I						
Catalog code	Course code	Name of the course	Credit	Marks	Evaluation	
					Int	Ext
		Research Methodology and Techniques	1	50	30	20
		Quantitative techniques	2	100	60	40
		Technical Presentation and discussions ¹	1	50	30	20 (Tech presentation)
		Critical Thinking for Researchers	1	50	50	Specific MOOC course to be completed and certificate to be produced
		Elective 1 ²	5	250	150 CA: 100 Final Submission 50	100 Experts (Technical presentation based on both electives)
		Elective 2 ²	5	250	150 CA: 100 Final Submission 50	100 Experts (Technical presentation based on both electives)
		Total	15	750	470	280

¹ The Technical presentation course will contain hands on preparation of slides and delivery using standard software (Eg. Canva, MS PPT, Google Slides), various graphical software for diagrams (draw.io, PPT, visio etc) .

² Elective 1 and 2 are domain specific and supervisor will design it individually. It can be offered through MOOC platforms/ SWAYAM/ NPTEL. It may contain courses on simulation platforms, various programming languages, high performance computing courses, other basic courses relevant to project problem statement.

Semester - II					
	Course Code	Name of course	Credits	Marks	Evaluation
		Research Ethics and Integrity ³	1	50	50 (internal)
		Intellectual property and patent filing	2	100	100 (external)- Specific MOOC course to be completed and certificate to be produced
		Report- I	2	100	100% supervisor
		Technical Writing ⁴	5	250	Proposal submission 100 Supervisor 150 Experts
		Seminars- I	7	350	40% Supervisor 30% expert 1 30% expert 2
		Research Publication -I (preferably Review Paper)	4	200	Upon communication to Q1/Q2 journal
		Total	21	1050	
Semester – III					
	Course code	Name of the course	Credits	Marks	Evaluation
		Technical talk	4	200	Supervisor + subject expert (100%) (internal only) Feedback of participating students to be considered in evaluation.
		Research presentation - I	14	700	40% Supervisor 30% external expert 1 30% external expert 2
		Reports -II	2	100	100% supervisor
		Total	20	1000	
Semester – IV					
	Course code	Name of the course	Credits	Marks	Evaluation
		Research Publication -II	4	200	Upon communication to Q1/Q2 journal

³ The Research Ethics and Integrity course will include training on use of Turnitin and other plagiarism software.

⁴ The Technical writing course will include training on use of Grammarly, citation/referencing tools etc

		Thesis	10	500	60% Supervisor 20% External Examiner 1 20% External Examiner 2
		Research Presentation – II	8	400	20% Supervisor 20% Internal Expert 30% External Examiner 1 30% External Examiner 2
		Reports- III	2	100	100% supervisor
		Total	24	1200	

Semester	Internal Credits	External Credits	Total Credits	Total Marks
Semester 1	1	14	15	750
Semester 2	7	14	21	1050
Semester 3	6	14	20	1000
Semester 4	6	18	24	1200
Total	20	60	80	4000