

Year	Stage	Phase	On/Off the Job	Module Number	Module Name	Assessment	Assessment Weighting	Phase Weighting
1	1	2	Off the Job	1	Introduction to Advanced Manufacturing and Industry 4.0/5.0 Technologies and Application	Assessment 1 (LO 1,2,4,6,8,9,10)	4.13	32.12
				2	Personal & Professional Career Development	Skills Demonstration 1 (LO 3,5,7,11)	4.13	
		3		3	Maths for Advanced Manufacturing I	Presentation 1 (LO 1-6)	8.26	
		4		4	Digitisation of Manufacturing Operations	Exam 1 (LO: 1,2,5)	3.45	
		5		5	Robotics Fundamentals, Operations and Automation I	Assignment 2(Presentation or Exam) (LO: 1,2,6,7,9)	2.975	
	2	3	On the job	1	Introduction to Advanced Manufacturing and Industry 4.0/5.0 Technologies and Application	Skills Demonstration 2 (LO: 3,4,5,8)	2.975	4.13
				2	Personal & Professional Career Development	Skills Demonstration with Presentation 3 (LO: 1-6)	6.20	
		4	Off the Job	5	Robotics Fundamentals, Operations and Automation II	Workplace Task Logbook (all LOs)	2.07	
		6		6	Industrial Systems and Operations and Workshop Skills	Workplace Task Logbook	2.07	
		7		7	Robotic Programming/Simulation, System Integration and Functional Safety I	Skills Demonstration with Presentation 4 (LO: 5,7,8)	2.07	
2	3	5	On the job	8	Equipment Control, Automation and Actuation I	Skills Demonstration 5(LO: 2,5,7,8,9,10, 11, 12 & 13)	8.26	21.34
				9	Maths for Advanced Manufacturing II	Exam 2(LO: 1,2,3,4,5,6,7,9,11 & 13)	5.17	
				4	Digitisation of Manufacturing Operations	Skills Demonstration 6(LO: 1-6)	3.55	
				5	Robotics Fundamentals, Operations and Automation	Assignment 3(Presentation or Exam) (LO: 1, 2, 4, 5, 6)	2.30	
				6	Industrial Systems and Operations and Workshop Skills	Exam 3 (LO: 3,4,5)	2.07	
	6	Off the Job	Off the Job	4	Digitisation of Manufacturing Operations	Workplace Task Logbook	2.07	6.20
				7	Robotic Programming/Simulation, System Integration and Functional Safety II	Workplace Task Logbook	2.07	
				8	Equipment Control, Automation and Actuation II	Workplace Task Logbook	2.07	
				9	Maths for Advanced Manufacturing III	Skills Demonstration 7(LO: 8)	2.31	
	7	On the job	On the job	3	Work Based Project (introduction)	Assignment 5(Presentation or Exam) (LO: 4, 5, 6, 7, 8)	3.10	11.28
				7	Work Based Project	Skills Demonstration 8(LO: 2-7)	1.15	
				8	Robotic Programming/Simulation, System Integration and Functional Safety	Skills Demonstration with Presentation 9(LO: 4,5,6)	4.72	
				9	Equipment Control, Automation and Actuation	Exam 4(LO: 6)	2.07	
				9	Work Based Project	N/A	20.80	24.93

Note: Progression from one stage to the next is contingent upon the successful completion of the preceding stage

Module Number	Module Name	FET Credits	Module Weighting
1	Introduction to Advanced Manufacturing and Industry 4.0/5.0 Technologies and Application	15	10.33
2	Personal & Professional Career Development and EHS	15	10.33
3	Maths for Advanced Manufacturing	10	6.9
4	Digitisation of Manufacturing Operations	15	10.33
5	Robotics Fundamentals, Operations and Automation	15	10.33
6	Industrial Systems and Operations and Workshop Skills	15	10.33
7	Robotic Programming/Simulation, System Integration and Functional Safety	15	10.33
8	Equipment Control, Automation and Actuation	15	10.33
9	Work Based Project	30	20.8
		145	100