

DEPARTMENT OF PRODUCTION ENGINEERING
IN-DEPTH SPECIALISATION in "Advanced Manufacturing and Production Management"
(OFFERED ONLY TO THE DEPARTMENT STUDENTS)

Students who have registered for DEPARTMENTAL SPECIALISATION (in-depth) in "Advanced Manufacturing and Production Management" should complete 20 credits and shall opt for courses listed below. The credits shall be over and above minimum requirement for degree award.

Semester/ Session of Study (Recommended)	Course Level	Category of course	Course Code	Courses	Mode of delivery & credits <i>L-Lecture; T-Tutorial; P-Practicals</i>			Total Credits <i>C- Credits</i>
					L <i>(Periods/ week)</i>	T <i>(Periods/ week)</i>	P <i>(Periods/ week)</i>	C
THEORY								
FIFTH / Monsoon	Third	PC	PE310	Industrial Robotics	3	1	0	4
			PE320	Sustainable Manufacturing	3	0	0	3
TOTAL								7
THEORY								
SIXTH / Spring	Third	PC	PE321	Manufacturing Management and Cost Optimization	3	0	0	3
		PE (any one)	PE322	Processing of Polymers, Composite and Advanced Materials	3	0	0	3
			PE323	Material Characterisation and Non-destructive Testing	3	0	0	3
TOTAL								6
THEORY								
SEVENTH / Monsoon	Fourth	PC	PE408	Micro and Nano Manufacturing	3	0	0	3
			PE409	Finite Elements in Manufacturing Engineering Applications	3	1	0	4
TOTAL								7
GRAND TOTAL								20