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P D A College of Engineering
B.E. in Industrial and Production Engineering
 Outcome Based Education (OBE) and Choice Based Credit System (CBCS)
 Scheme of Teaching and Examination AY 2024-2025 (Effective from the academic year 2021-22)

VII Semester

Sl. No.	Course and Course Code		Course Title	Teaching Department	Teaching Hours/Week			Self Study	Examination				Credits
					Theory Lecture	Tutorial	Practical/ Drawing		Duration in hours	SEE Marks	CIE Marks	Total Marks	
01	PEC	21IP711	Operations Management	IP	3	-	--	1	03	50	50	100	3
02	PEC	21IP721	Computer Integrated Manufacturing	IP	3		--		03	50	50	100	3
03	OEC	21IP73OE21	Industry 4.0	IP	3	-	--		03	50	50	100	3
04	OEC	21IP74OE32	Software Project Management	IP	3	--	--		03	50	50	100	3
05	Project	21IPP75	Project Work	IP		-	10		03	50	50	100	10
06	AEC	21AEC76	Ability Enhancement Course (Online NPTEL course 4 weeks)		-	-						100	2
Total									15	250	250	600	24

S.NO	Code	Professional Elective - II	S.NO	Code	Professional Elective - III
01	21IP711	Operations Management	01	21IP721	Computer Integrated Manufacturing
02	21IP712	Mechatronics	02	21IP722	Project Management
S.NO	Code	Open Elective - II	S.NO	Code	Open Elective - III
01	21IP73OE21	Industry 4.O	01	21IP74OE31	Basics of Nanotechnology and smart materials
02	21IP73OE22	Digital Manufacturing	02	21IP74OE32	Software Project Management

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					Theory Lecture	Tutorial	Practical/ Drawing		Duration in hours	SEE Marks	CIE Marks	Total Marks	
1.	PEC	21IP71X	Professional Elective – II			-	--	1	03	50	50	100	3
2.	PEC	21IP72X	Professional Elective – III				--		03	50	50	100	3
3.	OEC	21IP73OEX	Open Elective – II			-	--		03	50	50	100	3
4.	OEC	21IP74OEX	Open Elective – III				--		03	50	50	100	3
5.	Project	21IPP75	Project Work			-	--		03	50	50	100	10
6.	AEC	21NPAE76	Ability Enhancement Course (Online NPTEL Course of Minimum 8 weeks duration)			-	-			50	50	100	2
Total										300	300	600	24