

Revised Curriculum & Syllabus:

4-Year Bachelor of Production Engineering Course:

FIRST YEAR FIRST SEMESTER

Code No.	Subject	Periods / week		Credit Point			Marks	
		L	T	S	T	S	Exam	Sessional
Prod/T/111	Engineering Mechanics	4	0	0	3		100	
ETech/EE/T/112	Electrical Technology-	4	0	0	3		100	
Prod/Math/T/113	Mathematics-I	3	0	0	3		100	
Prod/Math/T/114	Mathematics-II	3	0	0	3		100	
Ph/T/1B/115	Physics – I	3	0	0	3		100	
Prod/T/116	Projection & Spatial Graphics	3	0	0	3		100	
Ph/S/1/111	Physics Laboratory-I	0	0	3		3		100
Prod/S/112	Graphics Lab. - I	0	0	3		3		100
Prod/S/113	Technical Arts	0	0	3		3		100
Prod/EE/S/114	Electrical Technology Laboratory	0	0	3		3		100
	Sub - Total	20	0	12	18	12	600	400
	Total :		32		30		1000	

FIRST YEAR SECOND SEMESTER

Code No.	Subject	Periods / week			Credit Point		Marks	
		L	T	S	T	S	Exam	Sessional
Hum/T/121	Humanities-B	4	0	0	3		100	
Prod/ T/122	Material Science & Technology	3	0	0	3		100	
Prod/Math/T/123	Mathematics-III	3	0	0	3		100	
Prod/T/124	Thermodynamics	3	0	0	3		100	
Prod/ET/T/125	Basic Electronics Engineering	3	0	0	3		100	
Prod/CSE/T/126	Computer Programming & Numerical Analysis	4	0	0	3		100	
Prod/CSE/S/121	Computer Programming & Numerical Analysis Laboratory	0	0	3		3		100
Prod/S/122	Graphics Lab. - IIA	0	0	3		3		100
Prod/S/123	Basic Engineering. Laboratory	0	0	3		3		100
Prod/ET/S/124	Basic Electronics Laboratory	0	0	3		3		100
	Sub - Total	20	0	12	18	12	600	400
	Total :		32		30		1000	

SECOND YEAR FIRST SEMESTER

Code No.	Subject	Periods / week			Credit Point		Marks	
		L	T	S	T	S	Exam	Sessional
Prod/T/211	Fluid Mechanics	3	0	0	3		100	
Prod/T/212	Thermal Engineering	4	0	0	3		100	
Prod/T/213	Deformation of Solids	3	0	0	3		100	
Prod/T/214	Primary Production Processes	3	0	0	3		100	
Prod/T/215	Analysis and Synthesis of Mechanisms	4	0	0	3		100	
Prod/T/216	Industrial Statistics	3	0	0	3		100	
Prod/S/211	Engineering Experimentation Laboratory	0	0	3		3		100
Prod/S/212	Manufacturing Systems Laboratory - I	0	0	3		3		100
Prod/S/213	Graphics Laboratory IIB	0	0	6		3		100
Prod/T/217	Graphics Laboratory II Examination	0	0	0		0	100	
	Sub - Total	20	0	12	18	9	700	300
	Total :		32		27			1000

SECOND YEAR SECOND SEMESTER

Code No.	Subject	Periods / week			Credit Point		Marks	
		L	T	S	T	S	Exam	Sessional
Prod/T/221	Microprocess Control & Mechatronics	4	0	0	3		100	
Prod/T/222	Technology of Machining Systems	4	0	0	3		100	
Prod/T/223	Inspection & Product Control	3	1	0	3		100	
Prod/T/224	Fluid Machines	3	0	0	3		100	
Prod/T/225	Machine Dynamics	3	0	0	3		100	
Prod/T/226	Production Management	3	0	0	3		100	
Prod/S/221	Metrology & Product Control Laboratory	0	0	3		3		100
Prod/S/222	Microprocessor Control & Mechatronics Laboratory	0	0	3		3		100
Prod/S/223	Manufacturing Systems Laboratory - II	0	0	6		3		100
Prod/S/224	Vacational Practical Training & Viva-Voce - I	0	0	0		0		100
	Sub - Total	20	0	12	18	9	600	400
	Total :	32			27			1000

THIRD YEAR FIRST SEMESTER

Code No.	Subject	Periods / week			Credit Point		Marks	
		L	T	S	T	S	Exam	Sessional
Prod/T/311	Machine Tool Systems	3	0	0	3		100	
Prod/T/312	Mass Production Technology & Automation	3	0	0	3		100	
Prod/T/313	Energy Production Systems	4	0	0	3		100	
Prod/T/314	Plant Layout & Product Handling	3	0	0	3		100	
Prod/T/315	Design of Engineering Systems-I	3	1	0	3		100	
Prod/T/316	Operations Research	3	0	0	3		100	
Prod/S/311	Computer Aided Product Modelling	0	0	3		3		100
Prod/S/312	Manufacturing Systems Laboratory – III	0	0	3		3		100
Prod/S/313	Production Management Laboratory	0	0	3		3		100
Prod/S/314	Project & Term Paper	0	0	3		3		100
	Sub - Total	19	1	12	18	12	600	400
	Total :	32			30		1000	

THIRD YEAR SECOND SEMESTER

Code No.	Subject	Periods / week			Credit Point		Marks	
		L	T	S	T	S	Exam	Sessional
Prod/T/321	Production Economics & Financial Management	4	0	0	3		100	
Prod/T/322	Ergonomics & Work Design	3	0	0	3		100	
Prod/T/323	Material Forming	3	0	0	3		100	
Prod/T/324	Elective-I(Management)	3	0	0	3		100	
Prod/T/325	Non-Traditional Machining	3	0	0	3		100	
Prod/T/326	Design of Engineering. Systems-II	4	0	0	3		100	
Prod/S/321	Ergonomics Laboratory	0	0	3		3		100
Prod/S/322	Seminar	0	0	3		3		100
Prod/S/323	Design Sessional	0	0	6		3		100
Prod/S/324	Vacational Practical Training and Viva-Voce II	0	0	0				100
	Sub - Total	20	0	12	18	9	600	400
	Total :	32			27		1000	

FOURTH YEAR FIRST SEMESTER

Code No.	Subject	Periods / week			Credit Point		Marks	
		L	T	S	T	S	Exam	Sessional
Prod/T/411	Micro Manufacturing Processes & Systems	3	0	0	3		100	
Prod/T/412	CNC Machines & Robotics	3	0	0	3		100	
Prod/T/413	Plant and Maintenance Engineering	3	0	0	3		100	
Prod/T/414	Ecology & Environment for Sustainable Development	3	0	0	3		100	
Prod/S/411	Automation, CNC Machines & Robotics Laboratory	0	0	3		3		100
Prod/S/412	Machine Tools and Metal Cutting Laboratory	0	0	3		3		100
Prod/S/413	Manufacturing Project	0	0	3		3		100
Prod/S/414	Non-Traditional Machining Laboratory	0	0	3		3		100
	Sub - Total	12	0	12	12	12	400	400
	Total :	24			24		800	

FOURTH YEAR SECOND SEMESTER

Code No.	Subject	Periods / week			Credit Point		Marks	
		L	T	S	T	S	Exam	Sessional
Prod/T/421	Computer Integrated Manufacturing	3	0	0	3		100	
Prod/T/422	Manufacturing Systems Simulation	3	0	0	3		100	
Prod/T/423	Planning & Evaluation of Projects	3	0	0	3		100	
Prod/T/424	Elective-II(Technology)	3	0	0	3		100	
Prod/T/425	General Viva-Voce	0	0	0		0	100	
Prod/S/421	Project & Thesis	0	0	6		6		200
Prod/S/422	Technological Elective Lab./Project	0	0	3		3		100
	Sub - Total	12	0	9	12	9	500	300
	Total :	21			21		800	