

**DEPARTMENT OF PRODUCTION ENGINEERING**  
**CURRICULUM OF 2<sup>ND</sup> TO 4<sup>TH</sup> YEAR OF THE**  
**UNDERGRADUATE ENGINEERING DEGREE PROGRAMME**

**2<sup>ND</sup> YEAR 1<sup>ST</sup> SEMESTER**

Subject Code	Subject Name	Category	Type	Contact			Credit	Marks
				L	T	P		
PROD/PC/B/T/211	Fluid Mechanics and Machines	PC	B	4	0	0	4	100
PROD/PC/B/T/212	Thermodynamics and Heat Transfer	PC	B	4	0	0	4	100
PROD/PC/B/T/213	Deformation of Solids	PC	B	3	0	0	3	100
PROD/ES/B/T/214	Projection and Spatial Graphics	ES	B	3	0	0	3	100
PROD/BS/B/T/215	Industrial Statistics	BS	B	3	0	0	3	100
PROD/PC/B/T/216	Analysis and Synthesis of Mechanisms	PC	B	3	0	0	3	100
PROD/PC/B/S/211	Engineering Experimentation Laboratory	PC	B	0	0	2	1	100
PROD/PC/B/S/212	Manufacturing Systems Laboratory - I	PC	B	0	0	3	1.5	100
PROD/PC/B/S/213	Graphics Laboratory I	PC	B	0	0	3	1.5	100
Total :				20	0	8	24	900

**2<sup>ND</sup> YEAR 2<sup>ND</sup> SEMESTER**

Subject Code	Subject Name	Category	Type	Contact			Credit	Marks
				L	T	P		
PROD/PC/B/T/221	Material Science and Technology	PC	B	3	0	0	3	100
PROD/PC/B/T/222	Machine Dynamics	PC	B	4	0	0	4	100
PROD/PC/B/T/223	Primary Production Processes	PC	B	3	0	0	3	100
PROD/PC/B/T/224	Microprocessor Control & Mechatronics	PC	B	3	0	0	3	100
PROD/PC/B/T/225	Inspection & Product Control	PC	B	3	0	0	3	100
PROD/PC/B/T/226	Technology of Machining Systems	PC	B	4	0	0	4	100
PROD/PC/B/S/221	Metrology & Product Control Laboratory	PC	B	0	0	2	1	100
PROD/PC/B/S/222	Manufacturing Systems Laboratory - II	PC	B	0	0	3	1.5	100
PROD/PC/B/S/223	Graphics Laboratory II	PC	B	0	0	3	1.5	100
Total				20	0	7	24	900

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**3<sup>RD</sup> YEAR 1<sup>ST</sup> SEMESTER**

Subject Code	Subject Name	Category	Type	Contact			Credit	Marks
				L	T	P		
PROD/PC/B/T/311	Production Management	PC	B	3	0	0	3	100
PROD/PC/B/T/312	Energy Production Systems	PC	B	4	0	0	4	100
PROD/PC/B/T/313	Mass Production Technology & Automation	PC	B	3	0	0	3	100
PROD/PC/B/T/314	Design of Engineering Systems-I	PC	B	3	0	0	3	100
PROD/PC/H/T/315	Plant Layout & Product Handling	PC	H	4	0	0	4	100
PROD/PC/B/T/316	Ergonomics & Work Design	PC	B	3	0	0	3	100
PROD/PC/B/S/311	Ergonomics Laboratory	PC	B	0	0	3	1.5	100
PROD/PC/B/S/312	Microprocessor Control & Mechatronics Lab	PC	B	0	0	2	1	100
PROD/PS/B/S/313	Project & Term Paper	PS	B	0	0	3	1.5	100
PROD/PS/B/S/314	Internship	PS	B	0	0	3	1.5	100
Total :				20	0	12	25.5	1000

**3<sup>RD</sup> YEAR 2<sup>ND</sup> SEMESTER**

Subject Code	Subject Name	Category	Type	Contact			Credit	Marks
				L	T	P		
PROD/HS/B/T/321	Production Economics & Financial Management	HS	B	3	0	0	3	100
PROD/PC/B/T/322	Metal Forming	PC	B	4	0	0	4	100
PROD/PC/B/T/323	Non-Traditional Machining	PC	B	3	0	0	3	100
PROD/PC/B/T/324	Design of Engineering. Systems – II	PC	B	4	0	0	4	100
PROD/PC/B/T/325	Machine Tool Systems	PC	B	3	0	0	3	100
PROD/PC/H/T/326	Operations Research	PC	H	4	0	0	4	100
PROD/PC/B/S/321	Computer Aided Product Modeling	PC	B	0	0	3	1.5	100
PROD/PC/B/S/322	Production Management Laboratory	PC	B	0	0	2	1	100
PROD/PC/B/S/323	Non-Traditional Machining Lab	PC	B	0	0	2	1	100
PROD/PS/B/S/324	Seminar	PS	B	0	0	3	1.5	100
Total :				21	0	10	26	1000

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**4<sup>TH</sup> YEAR 1<sup>ST</sup> SEMESTER**

Subject Code	Subject Name	Category	Type	Contact			Credit	Marks
				L	T	P		
PROD/PC/H/T/411	Micro Manufacturing	PC	H	4	0	0	4	100
PROD/PE/B/T/412	Elective-I (Management)	PE	B	3	0	0	3	100
PROD/PC/B/T/413	Plant and Maintenance Engineering	PC	B	3	0	0	3	100
PROD/PC/B/T/414	CNC Machines & Robotics	PC	B	4	0	0	4	100
PROD/PC/B/S/411	Automation CNC & Robotics Laboratory	PC	B	0	0	2	1	100
PROD/PC/B/S/412	Machine Tool and Metal Cutting Lab	PC	B	0	0	2	1	100
PROD/PS/B/S/413	Manufacturing Project	PS	B	0	0	4	2	100
PROD/PS/B/S/414	Internship	PS	B	0	0	3	1.5	100
Total :				14	0	11	19.5	800

**4<sup>TH</sup> YEAR 2<sup>ND</sup> SEMESTER**

Subject Code	Subject Name	Category	Type	Contact			Credit	Marks
				L	T	P		
PROD/PE/B/T/421	Elective-II (Technology)	PE	B	3	0	0	3	100
PROD/PC/H/T/422	Additive Manufacturing	PC	H	4	0	0	4	100
PROD/PC/H/T/423	Planning & Evaluation of Projects	PC	H	4	0	0	4	100
	Open Elective	OE	B	3	0	0	3	100
PROD/PS/B/S/421	Project & Thesis	PS	B	0	0	9	3	200
PROD/PS/B/S/422	General Viva-Voce	PS	B	0	0	3	1.5	100
PROD/PE/B/S/423	Elective-II (Technology) Lab	PE	B	0	0	2	1	100
Total :				14	0	14	19.5	800