

**13. Courses of Study and Scheme of Assessment
BE PRODUCTION ENGINEERING**

(2019 Regulations)

Course Code	Course Title	Periods / week			Maximum Marks				
		Lecture	Tutorial	Practical	Credits	CA	FE	Total	CAT
SEMESTER VII									
19P701	Environment Conscious Manufacturing	2	0	0	2	50	50	100	PC
19P702	Production and Operations Management	3	0	0	3	50	50	100	PC
19P__	Professional Elective IV	3	0	0	3	50	50	100	PE
19P__	Professional Elective V	3	0	0	3	50	50	100	PE
19__	Open Elective I	3	0	0	3	50	50	100	OE
19P710	Industrial Engineering and Lean Practices Laboratory	0	0	4	2	50	50	100	PC
19P711	Innovation Practices	0	0	4	2	50	50	100	EEC
19P720	Project Work I	0	0	4	2	50	50	100	EEC
Total 26 periods		14	0	12	20	400	400	800	
SEMESTER VIII									
19P__	Professional Elective VI	3	0	0	3	50	50	100	PE
19__	Open Elective II	3	0	0	3	50	50	100	OE
19P820	Project Work II	0	0	8	4	50	50	100	EEC
Total 14 periods		6	0	8	10	150	150	300	

CA Continuous Assessment
FE Final Examination

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LANGUAGE ELECTIVES

19G001	Communication Skills for Engineers
19G002	German- Level A1.1
19G003	French Language Level 1
19G004	Basic Japanese

PROFESSIONAL ELECTIVES

19P001	Mechatronics
19P002	Modeling and Control of Dynamic Systems
19P003	Maintenance and Safety Engineering
19P004	Finite Element Applications in Manufacturing
19P005	Design and Manufacture of Gears
19P006	Product Lifecycle Management
19P007	Surface Engineering and Tribology
19P008	Manufacture of Automotive Components
19P009	Lean Manufacturing
19P010	Material Handling Systems
19P011	Non -Traditional Machining Techniques
19P012	Supply Chain Management
19P013	PLC Programming and Applications
19P014	Mechanical Vibrations
19P015	Precision Manufacturing
19P016	Product Development Strategies
19P017	Composite Materials Processing
19P018	Industrial Ergonomics
19P019	Computational Fluid Dynamics
19P020	Six Sigma
19P021	Additive Manufacturing
19P022	Measurement Systems
19P023	Statistical Quality Control
19P024	Automated Assembly System Design
19P025	Sustainable Mobility and Logistics

ONE-CREDIT COURSES

PRODUCTION ENGINEERING

19PF01	Precision Machining
19PF02	Non Destructive Testing of Aircraft Structures
19PF03	Introduction to Design and manufacture of Armour Systems
19PF04	Advanced Materials for Armour Applications

HUMANITIES

19OFA1	Export – Import Practices
19OFA2	Insurance - Concepts and Practices
19OFA3	Public Finance
19OFA4	Security Analysis and Portfolio Management

ENGLISH

19GF01 Interpersonal and Organizational Communication

19GF02 Human Values Through Literature

Summary of Credit Distribution

BE PRODUCTION ENGINEERING										
S. No	Course Category	Credits Per Semester								Total Credits
		1	2	3	4	5	6	7	8	
1	HS	5	2	3	0	0	0	0	0	10
2	BS	12	9	3	3	0	0	0	0	27
3	ES	3	10	12	5	0	0	0	0	30
4	PC	0	0	5	14	20	13	7	0	59
5	PE	0	0	0	0	3	6	6	3	18
6	OE	0	0	0	0	0	0	3	3	6
7	EEC	0	0+2 [£]	0	1	1	3	4	4	15
8	MC	-	-	-	-	-	-	-	-	-
	TOTAL	20	£ 21+2	23	23	24	22	20	10	165

£ Summer Term Course(s)

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