

II B. TECH. (4YDC) INDUSTRIAL & PRODUCTION ENGINEERING

Semester: III

S.No.	Subject Category	Subject Code	Subject	Hours per Week			Th. Credit	Pr. Credit	Maximum Marks				Total
				L	T	P			Th.	CW	SW	Pr.	
1		IP23012	Manufacturing Processes - I	3	-	2	3	1	70	30	40	60	200
2		MA23003	Mathematics - III	3	1	-	4	-	70	30	-	-	100
3		ME23005	Mechanical Metallurgy	3	-	2	3	1	70	30	40	60	200
4		IP23006	Principle & Practices of Management	3	-	-	3	-	70	30	-	-	100
5		ME23008	Mechanics of Solids	3	-	2	3	1	70	30	40	60	200
6		CO23009	Object Oriented Programming	3	-	2	3	1	70	30	40	60	200
7	MC	HUM2001	Constitution Of India*	2	-	-	-	-	-	50	-	-	50
Total				20	1	8	19	4	420	230	160	240	1050

Semester: IV

S.No.	Subject Category	Subject Code	Subject	Hours per Week			Th. Credit	Pr. Credit	Maximum Marks				Total
				L	T	P			Th.	CW	SW	Pr.	
1		IP23513	Manufacturing Process-II	3	-	2	3	1	70	30	40	60	200
2		HU23504	Engineering Economics & FA	3	-	-	3	-	70	30	-	-	100
3		IP23515	Operations Research	3	-	2	3	1	70	30	40	60	200
4		ME23516	Fluid Mechanics & Thermal Engg.	3	-	2	3	1	70	30	40	60	200
5		ME23555	Theory of Machines	3	-	2	3	1	70	30	40	60	200

[illegible]

SHRI G S INSTITUTE OF TECHNOLOGY & SCIENCE, INDORE

III B. Tech.(4YDC) INDUSTRIAL & PRODUCTION ENGINEERING

SEMESTER - V

S.No.	Subject Category	Subject Code	Subject	Hours per Week			Th. Credit	Pr. Credit	Maximum Marks				
				L	T	P			Th.	CW	SW	Pr.	Total
1		IP33005	Metrology and Industrial Inspection	3	-	2	3	1	70	30	40	60	200
2		IP33002	Industrial Engg.	3	-	2	3	1	70	30	40	60	200
3		IP33009	CAD, CIM and Automation	3	-	2	3	1	70	30	40	60	200
4		ME33014	Prime Movers & Pumps	3	-	-	3	-	70	30	-	-	100
5		IP33010	Mechanical Estimating & Costing	3	-	-	3	-	70	30	-	-	100
6		IP33452	Industrial Training - I	-	-	4	-	2	-	-	40	60	100
Total				15	0	10	15	5	350	150	160	240	900

SEMESTER - VI

S.No.	Subject Category	Subject Code	Subject	Hours per Week			Th. Credit	Pr. Credit	Maximum Marks				
				L	T	P			Th.	CW	SW	Pr.	Total
1		IP33511	Advanced Machining Processes	3	-	2	3	1	70	30	40	60	200
2		IP33503	Principles of Machine Tools	3	-	-	3	-	70	30	-	-	100
3		IP33515	Quality Control & Reliability Engg.	3	-	2	3	1	70	30	40	60	200
4		IP33516	Metal Cutting and Metal Working Analysis	3	-	2	3	1	70	30	40	60	200

5	IP33517	Advanced Manufacturing Processes	3	-	2	3	1	70	30	40	60	200
6		Elective-I	3	-	-	3	-	70	30	-	-	100
Total			18	0	8	18	4	420	180	160	240	1000

III B.Tech.(4YDC) INDUSTRIAL & PRODUCTION ENGINEERING

Elective I			Semester VI
S.No.	Subject Category	Subject Code	Subject
1		ME33711	Mechatronics
2		IP33702	Manufacturing Analysis

SHRI G S INSTITUTE OF TECHNOLOGY & SCIENCE, INDORE
IV B.Tech.(4YDC) INDUSTRIAL & PRODUCTION ENGINEERING

SEMESTER - VII

S.No.	Subject Category	Subject Code	Subject	Hours per Week			Th. Credit	Pr. Credit	Maximum Marks				
				L	T	P			Th.	CW	SW	Pr.	Total
1		IP43013	Operations Management	3	-	-	3	-	70	30	-	-	100
2		IP43065	Ergonomics	3	-	2	3	1	70	30	40	60	200
3		IP43058	Tool Engineering & Design of Cutting Tools	3	-	2	3	1	70	30	40	60	200
4			Elective - II	3	-	-	3	-	70	30	-	-	100
5			Elective - III	3	-	-	3	-	70	30	-	-	100
6		IP43482	Industrial Training-II	-	-	4	-	2	-	-	40	60	100
7		IP43499	Major Project Phase-I (AB group)	-	-	6	-	3	-	-	40	60	100
8		IP43998	Major Project Phase-II (BA group)	-	-	8	-	4	-	-	40	60	100
Total			For AB Group	15	0	14	15	7	350	150	160	240	900
			For BA Group	15	0	16	15	8	350	150	160	240	900

SEMESTER - VIII

S.No.	Subject Category	Subject Code	Subject	Hours per Week			Th. Credit	Pr. Credit	Maximum Marks				
				L	T	P			Th.	CW	SW	Pr.	Total
1			Elective- IV	3	-	-	3	-	70	30	-	-	100

2		Elective- V	3	-	-	3	-	70	30	-	-	100
3	IP43883	Industrial Training/Internship/Seminar*	-	-	8	-	4	-	-	40	60	100
4	IP43998	Major Project Phase-II (AB group)	-	-	8	-	4	-	-	40	60	100
5	IP43499	Major Project Phase-I (BA group)	-	-	6	-	3	-	-	40	60	100
Total		For AB Group	6	0	16	6	8	140	60	80	120	400
		For BA Group	6	0	14	6	7	140	60	80	120	400

IV B.Tech.(4YDC) INDUSTRIAL & PRODUCTION ENGINEERING

List of Electives

Elective II		Semester VII	
S.No.	Subject Category	Subject Code	Subject
1		IP43282	Project Management (IM4381)
2		IP43202	Entrepreneurship
3		IP43203	Business Analytics
4		IP43205	Foundations of R Software NPTEL

Elective III		Semester VII	
S.No.	Subject Category	Subject Code	Subject
1		IP43377	Total Quality Management (IM4377)
2		IP43301	Intellectual Property Rights (IPR)
3			Fabrication and Processing of Composite

Materials

4	IP43303	Introduction to Machine Learning	NPTEL
---	---------	----------------------------------	-------

Elective IV		Semester VIII	
S.No.	Subject Category	Subject Code	Subject
1		IP43614	Product Management
2		IP	Additive Manufacturing
3		IP	Advances in Operations Management

IV B.Tech.(4YDC) INDUSTRIAL & PRODUCTION ENGINEERING
List of Electives

Elective V		Semester VIII	
S.No.	Subject Category	Subject Code	Subject
1		IP43616	Supply Chain Management
2		IP43611	ERP & MIS
3		IP43612	Six Sigma