

Passed Scheme of I B.E. (2018-2019) Common To All Branches

I YEAR B.E./B.TECH. (4YDC) INDUSTRIAL & PRODUCTION ENGINEERING

I YEAR B.E./B.TECH. (4YDC) INDUSTRIAL & PRODUCTION ENGINEERING																
Semester - A			Subject	Periods per Week			Th. Credit	Pr. Credit	Total	Maximum Marks						
S. No.		Sub. Code		L	T	P				Th.	CW	SW	Pr.	Total		
1	BSC	MA 100XX		Mathematics - I	3	1	0	4	0	4	70	30	0	0	100	
2	BSC	PH 100XX	Physics	3	1	2	4	1	5	70	30	20	30	150		
3	ESC	CE 100XX	Fundamentals of Civil Engineering & Applied Mechanics	3	0	2	3	1	4	70	30	20	30	150		
4	ESC	ME 100XX	Engineering Graphics	2	0	4	2	2	4	70	30	40	60	200		
5	ESC	EE 100XX	Fundamentals of Electrical Engineering	3	0	2	3	1	4	70	30	20	30	150		
6	MC	CH 100XX*	Environmental Science(NC)	0	1	2	1	1	G	0	0	100	0	100		
NSS/NCC				TOTAL		14	3	12	17	6	21	350	150	200	150	850
Induction program of 3 week duration in July-Aug 2018																
Semester - B			Subject	Periods per Week			Th. Credit	Pr. Credit	Total	Maximum Marks						
S. No.		Sub. Code		L	T	P				Th.	CW	SW	Pr.	Total		
1	BSC	MA 105XX		Mathematics – II	3	1	0	4	0	4	70	30	0	0	100	
2	BSC	CH 105XX	Chemistry	3	1	2	4	1	5	70	30	20	30	150		
3	HSMC	HU 105XX	Technical English	3	0	2	3	1	4	70	30	20	30	150		
4	ESC	CO 105XX	Computer Programming	3	0	2	3	1	4	70	30	20	30	150		
5	ESC	ME 105XX	Fundamentals of Mechanical Engineering	3	0	2	3	1	4	70	30	20	30	150		
6	ESC	IP 105XX	Manufacturing Practices & workshop	0	1	4	1	2	3	0	0	40	60	100		
8	MC	XX *	Universal Human Values Groups	2 Hrs per week working Saturday					G	0	0	100	0	100		
NSS/NCC				TOTAL		15	3	12	18	6	24	350	150	220	180	900
						BSC=18			ESC=23			HSMC=04				
		* Manadatory Non credit course														

II B.TECH.(4YDC) Industrial & Production Engineering

II B.TECH.(4YDC) Industrial & Production Engineering													
Semester: III													
S. No.	Subject Code	Subject Name	Hours per Week			Credits		Max Marks					
			L	T	P	Th	Pr	Theory		Practical		Total	
								Th.	CW	SW	Pr.		
1	IP23001	Manufacturing Process-I	3	0	4	3	2	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	ME23007	Mechanics of Solids	3	1	2	4	1	70	30	40	60	200	
6	EI23017	Basic Electronics Engg.	3	-	2	3	1	70	30	40	60	200	
		Total	18	2	10	20	5	420	180	160	240	1000	
Optional Subject(s)													
7	OC-I	Open Category-I (Audit Only)	-	-	-	-	-	-	-	-	-		

Semester: IV													
S. No.	Subject Code	Subject Name	Hours per Week			Credits		Max Marks					
			L	T	P	Th	Pr	Theory		Practical		Total	
								Th.	CW	SW	Pr.		
1	IP23502	Manufacturing Process-II	3	-	4	3	2	70	30	40	60	200	
2	HU23504	Engineering Economics & FA	3	-	-	3	-	70	30	-	-	100	
3	IP23505	Operations Research	3	1	2	4	1	70	30	40	60	200	
4	ME23506	Fluid Mechanics & Thermal Engg.	3	1	2	4	1	70	30	40	60	200	
5	ME23555	Theory of Machines	3	-	2	3	1	70	30	40	60	200	
6	CO23559	Object Oriented Programming	3	-	2	3	1	70	30	40	60	200	
		Total	18	2	12	20	6	420	180	200	300	1100	
Optional Subject(s)													
	7	OC-II	Open Category-II (Audit Only)	-	-	-	-	-	-	-	-	-	

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

III B.E.(4YDC) INDUSTRIAL & PRODUCTION ENGINEERING												
SEMESTER - V												
S. No.	Subject Code	Subject	Hours per Week			Th. Credit	Pr. Credit	Maximum Marks				
			L	T	P			Th.	CW	SW	Pr.	Total
1	IP33001	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	IP33003	Metal Casting & Welding Engg.	3	1	2	4	1	70	30	40	60	200
4	ME33004	Prime Movers & Pumps	3	1	-	4	0	70	30	-	-	100
5	ME33008	Design of Machine Elements	3	-	4	3	2	70	30	40	60	200
6	IP33451	Training Seminar - I	0	0	4	0	2	-	-	40	60	100
	Total		15	2	14	17	7	350	150	200	300	1000
Optional Subject(s)												
7	OC-III	Open Category-III (Audit Only)	-	-	-	-	-	-	-	-		

SEMESTER - VI												
S. No.	Subject Code	Subject	Hours per Week			Th. Credit	Pr. Credit	Maximum Marks				
			L	T	P			Th.	CW	SW	Pr.	Total
1	ME33501	Mechatronics	3	0	2	3	1	70	30	40	60	200
2	IP33503	Principles of Machine Tools	3	0	0	3	0	70	30	0	0	100
3	IP33505	Quality Control & Reliability Engg.	3	1	2	4	1	70	30	40	60	200
4	IP33506	Metal Cutting and Metal Working Analysis	3	1	2	4	1	70	30	40	60	200
5	IP33508	Computer Aided Design And Manufacturing	3	0	4	3	2	70	30	40	60	200
6		Elective-I	3	0	0	3	0	70	30	-	-	100
Total			18	2	10	20	5	420	180	160	240	1000
Optional Subject(s)												
7	OC-IV	Open Category-IV (Audit Only)	-	-	-	-	-	-	-	-		

NOTE: Third year AB-group students and Fourth year BA group students will undergo six weeks Industrial Training After their respective "B-Semester" examinations.

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

Elective I		Semester VI
	Sub. Code	Subject
1	IP33701	Advanced Machining Processes
2	IP33702	Manufacturing Analysis

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

SEMESTER - VII												
S. No.	Sub. Code	Subject	Hours per Week			Th. Credit	Pr. Credit	Maximum Marks				
			L	T	P			Th.	CW	SW	Pr.	Total
1	IP43003	Production Management	3	1	0	4	0	70	30	0	0	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	1	0	4	0	70	30			100
5		Elective - III	3	0	0	3	0	70	30	0	0	100
6	IP43481	Training Seminar II	-	-	4	0	2	-	-	40	60	100
7	IP43499	Major Project Phase-I (AB group)	-	-	6	0	3	-	-	40	60	100
8	IP43999	Major Project Phase-II (BA group)	-	-	10	0	5	-	-	40	60	100
Total		For AB Group	15	2	14	17	7	350	150	160	240	900
		For BA Group	15	2	18	17	9	350	150	160	240	900
Optional Subject(s)												
9		Open Category-III (Audit Only)	-	-	-	-	-	-	-	-	-	

List of Electives

Elective II		Semester VII	Elective III		Semester VII
S. No.	Sub. Code	Subject	S. No.	Sub. Code	Subject
1	IP43281	Project Management (IM4381)	1	IP43377	Total Quality Management (IM4377)
2		Entrepreneurship	2		Intellectual Property Rights (IPR)

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

SEMESTER - VIII												
S. No.	Sub. Code	Subject	Hours per Week			Th. Credit	Pr. Credit	Maximum Marks				
			L	T	P			Th.	CW	SW	Pr.	Total
1	IP43501	Supply Chain Management	3	0	2	3	1	70	30	40	60	200
2		Elective- IV	3	0	2	3	1	70	30	40	60	200
3	IP43881	Industrial Training/ Internship/Seminar*				0	8			100	-	100
4	IP43999	Major Project Phase-II (AB group)	-	-	10	0	5	-	-	40	60	100
5	IP43499	Major Project Phase-I (BA group)	-	-	6	0	3	-	-	40	60	100
Total		For AB Group	6	0	14	6	15	140	60	220	180	600
		For BA Group	6	0	10	6	13	140	60	220	180	600

List of Electives

Elective IV		Semester VIII
	Sub. Code	Subject
1		Product Management
2		ERP & MIS