



## SHRI G S INSTITUTE OF TECHNOLOGY &amp; SCIENCE, INDORE

## III B.E.(4YDC) MECHANICAL ENGINEERING

## SEMESTER - V

S. No.	Sub. Code	Subject	Hours per Week			Th. Credit	Pr. Credit	Maximum Marks				
			L	T	P			Th.	CW	SW	Pr.	Total
1	ME36001	Dynamics of Machines	3	-	2	3	1	70	30	40	60	200
2	ME36002	Machine Design - I	3	-	4	3	2	70	30	40	60	200
3	ME36003	Measurement & Automatic Control	3	-	2	3	1	70	30	40	60	200
4	ME36006	Heat & Mass Transfer	3	-	2	3	1	70	30	40	60	200
5	ME36008	Steam and Gas Turbines	3	-	2	3	1	70	30	40	60	200
6	ME36451	Technical Visit			4		2			50		50
Total			15	0	16	15	8	350	150	250	300	1050
Optional Subject(s)												
7	OC-III	Open Category-III ( Audit Only)	-	-	-	-	-	-	-	-	-	-

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## SEMESTER - VI

S. No.	Sub. Code	Subject	Hours per Week			Th. Credit	Pr. Credit	Maximum Marks				
			L	T	P			Th.	CW	SW	Pr.	Total
1	ME36501	Refrigeration and Airconditioning	3	-	2	3	1	70	30	40	60	200
2	ME36502	Machine Design - II	3	-	4	3	2	70	30	40	60	200
3	ME36506	Fluid Machinery	3	-	2	3	1	70	30	40	60	200
4	ME36509	Internal Combustion Engines	3	-	2	3	1	70	30	40	60	200
5	IP36562	Manufacturing Processes-II	3	-	2	3	1	70	30	40	60	200
6	ME36592	Industrial Training	-	-	4	0	2	-	-	50	0	50
Total			15	0	16	15	8	350	150	250	300	1050
Optional Subject(s)												
7	OC-IV	Open Category-IV ( Audit Only)	-	-	-	-	-	-	-	-	-	-

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Scheme 2018

IV B.E.(4YDC) MECHANICAL ENGINEERING  
SCHEME FOR 0801ME111033 NITIN TEKAM(revised scheme for result reprocess)

## 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	ME4612	Automobile Engg.	3	1	2	4	2	70	30	40	60	200
2	ME4605	Vibration and Noise Control	3	1	2	4	2	70	30	40	60	200
3	ME4613	Computer Aided Design	3	1	2	4	2	70	30	40	60	200
4	ME4611	Mechatronics	3	1		4	0	70	30	0	0	100
5	ME4625	Hydraulic, Pneumatic & Fluidic Control	3	1		4	0	70	30	0	0	100
7	ME4644	Major Project Phase- I (AB Group)			6	-	6	0	0	100	0	100
Total		For AB Group	15	5	12	20	12	350	150	220	180	900

IV B.E.(4YDC) MECHANICAL ENGINEERING

SCHEME FOR 0801ME111033-NITIN TEKAM

## 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	ME4677	Composite Materials				4	0	70	30	0	0	100
2	ME4657	Power Plant and Energy Management				4	0	70	30	0	0	100
3	ME4681	Industrial Training/Internship/Seminar*	-	-	-	-	16	-	-	100	-	100
4	ME4699	Major Project Phase- II (AB Group)	-	-		-	10	0	0	60	90	150
Total		For AB Group	0	0	0	8	26	140	60	160	90	450

Scheme - 15

## IV B.E.(4YDC) MECHANICAL 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	ME46008	Automobile Engg.	3	1	2	4	1	70	30	40	60	200			
2	ME46061	Vibration and Noise Controll	3	1	2	4	1	70	30	40	60	200			
3	ME46010	Computer Aided Design	3	1	2	4	1	70	30	40	60	200			
4		Elective-I	3	1	0	4	0	70	30	0	0	100			
5		Elective-II	3	1	0	4	0	70	30	0	0	100			
7	ME46499	Major Project Phase- I (AB Group)	-	-	6	-	3	0	0	60	90	150			
8	ME46999	Major Project Phase-II (BA Group)	-	-	8	-	15	0	0	60	90	150			
Total			For AB Group			15	5	12	20	6	350	150	180	270	950
			For BA Group			15	5	14	20	18	350	150	180	270	950

## List of Electives

Elective-I		SEMESTER - VII		Elective-II		SEMESTER - VII	
S.No.	Sub. Code	Subject		S.No.	Sub. Code	Subject	
1	✓ ME46258	Mechatronics(ME4658)		1		Design of Air Conditioning Equipments	
2		Computational Fluid Dynamics		2	✓ ME 46325	Hydraulic, Pneumatic & Fluidic Control	
3	✓ ME46201	Industrial Tribology		3		Bio - Mechanics	
4		Industrial Engineering & Management		4	✓ ME46301	Design of Thermal System	
5		Manufacturing Automation & CAM		5			

## IV B.E.(4YDC) MECHANICAL 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		Elective III	3	1	0	4	0	70	30	0	0	100
2		Elective IV	3	1	0	4	0	70	30	0	0	100
3	ME46881	Industrial Training/Internship/Seminar*	-	-	-	-	8	-	-	100	-	100
4	ME46999	Major Project Phase- II (AB Group)	-	-	10	-	5	0	0	60	90	150
5	ME46499	Major Project Phase-I ( BA group)	-	-	6	-	3	0	0	60	90	150
Total		For AB Group	6	2	10	8	13	140	60	160	90	450
		For BA Group	6	2	6	8	11	140	60	160	90	450

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## IV B.E.(4YDC) MECHANICAL ENGINEERING

## List of Electives

Elective-III			SEMESTER - VIII		
S.No.	Sub. Code	Subject	S.No.	Sub. Code	Subject
1	✓ ME46677	Composite Materials(ME4677)	1	✓ ME46701	Gas Dynamics & Fluid Flow
2		Renewable Energy Sources	2		Engineering Optimization(ME4628)
3		Industrial Inspection & Quality Control(PE 4674)	3		Maintenance Engineering
4	✓ ME46678	Finite Element Methods	4	✓ ME46757	Power Plant and Energy Management