Jabal Ingineering College, Japa ir

(Declared Autonomous by MP Govt., Affiliated to RGPV, Bhopal)

(AICTE Model Curriculum Based Scheme)

Bachelor of Technology (B.Tech.) PTDC VI Semester (Civil Engg.)

S.No.	Subject	Category			Maxim Theory	um Marks	_		w.e.i. J	uly 2019-2 Contac	20 batch ct Hours P	er Week	T
1	Code	Code	Subject Name	End. Sem.	Mid Sem. Exam.	Assignme	Prac End Sem.		Total Marks	L	Т	P	Total Credits
2			Open Elective-II	70	20	10		···OIR					
	CE603	PCC	Structural Analysis-II	70	20		-	-	100	3	1	-	4
3	CE604	PCC	Structural Design and Drawing-II			10	30	20	150	3	1	2	5
4	CE605		(Steel)	70	20	10	-		100	3	1	_	1
5	CE610		Environmental EnggI Minor Project	70	20	10	30	20	150	3	1		4
			Willow Floject	-	-	-	60	40		3	1	2	5
			Total	280	80	40		40	100	-	-	4	2
6	CE808	DLC	Self-Learning Presentation		80	40	120	80	600	12	4	8	20
ddition	nal Cours	se for Hono	(SWAYAM/NPTEL/MOOC) ours or Minor Specialization	Permitted t		-	-	-	subject code	-	-	-	8

Note:1 Departmental BOS will decide list of three optional subjects those are available in MOOC as well for PEC.

		List of Open Elective Course - II
S.No.	Subject Code	Subject Name
1	CE602A	
2	CE602B	Basic Earthquake Engineering
3	CE602C	Waste Management
PEC: Pr		Elements of FEM

PEC: Professional Elective (Branch Specific), OEC: Open Elective Course (Interdisciplinary), PCC: Professional Core Course, DLC/PI: Digital Learning Courses/Project and

1 1 Courses	, i CC. Floressional Core Course,	DLC/PI: Digital Learning Courses/Project and
1 hour lecture (L) = 1 credit		and a suite of 1 to ject and
MOOC/DLC Courses MOOC subjects shall be 4.1	1 hour Tutorial (T) = 1 credit	2 hour Practical (P) = 1 credit
MOOC/DLC Courses MOOC subjects shall be taken with permission	n of HOD/Coordinator	(c) I steam
	- Coordinator	

Dean (Academics)
Jahalpur Engineering Colle

Jabalpur Engineering College, Jabalpur

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(AICTE Model Curriculum Based Scheme)

Bachelor of Technology (B.Tech.) VI Semester [PTDC] (Mechanical Engineering)

			***************************************	Maxim	um Marks	Allottad	·	w.e.	·	***************************************	***	1
Subject C	Cotomo	Subject Name		***************************************	MIN 17741 NO	***************************************	etical		Contac	t Hours Pe	r Week	-
	Code		End. Sem.			***************************************	***************************************	Marks	L	7807	P	Total Credits
ME-601	PEC	Professional Elective Course-I	70	20	10	~	w	100	4	1		5
ME-605	PCC	Industrial Engineering & Management	70	20	10	30	20	150	4	1	2	6
ME-702	PCC	Vibration & Noise Control	70	20	10	30	20	150	4	1	2	6
ME-602	OEC	Open Elective Course-II	70	20	1()	*	**	100	4	1	***************************************	5
ME-610	PI	Minor Project -II		**************************************		60	40	100	**************************************	***************************************	4	
ME607	MC	Summer Industrial Training	Minimum	Four Weeks	Duration 1	Evaluation :	will be done i	n 7th seme	ster	***************************************	***************************************	
	***************************************	Total	280	80	40	120	80	600	16	4	8	23
ME808	DLC	Self-Learning Presentation (SWAYAM/NPTEL/MOOC)			, mar.	***			50000000 v vanadassassassassassassassassassassassassas	~	**	8
	ME-601 ME-605 ME-702 ME-602 ME-610 ME607	Code Code ME-601 PEC ME-605 PCC ME-702 PCC ME-602 OEC ME-610 PI ME607 MC	ME-601 PEC Professional Elective Course-I ME-605 PCC Industrial Engineering & Management ME-702 PCC Vibration & Noise Control ME-602 OEC Open Elective Course-II ME-600 PI Minor Project -II ME-607 MC Summer Industrial Training Total ME-808 DLC Self-Learning Presentation	Code Subject Name End. Sem. ME-601 PEC Professional Elective Course-1 70 ME-605 PCC Industrial Engineering & Management 70 ME-702 PCC Vibration & Noise Control 70 ME-602 OEC Open Elective Course-II 70 ME-610 PI Minor Project -II ME-607 MC Summer Industrial Training Minimum Total 280 ME-808 DLC Self-Learning Presentation	Subject Name Theory Subject Code Subject Name Theory End. Sem. Mid Sem. Exam. ME-601 PEC Professional Elective Course-1 70 20 ME-605 PCC Industrial Engineering & Management 70 20 ME-702 PCC Vibration & Noise Control 70 20 ME-602 OEC Open Elective Course-II 70 20 ME-610 PI Minor Project -II Minimum Four Weeks ME607 MC Summer Industrial Training Minimum Four Weeks Total 280 80	Subject Code	Subject Name	Subject Code	Nation	National Park Subject Name Subject Name Subject Name Subject Name Sem. S	Subject Code Code Code Code Code Code Code Code	$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$

Note:1 Departmental BOS will decide list of three optional subjects those are available in MOOC as well for PEC.

2 Industrial training should be apart from laboratory work undertaken in the college rather it should have industrial orientation and practical aspects/field work. Report to be submitted at the beginning of IV semester and students have to give a presentation in the departement. Evaluation will be done in V semester.

S.No.	Code	Professional Elective Courses
1	ME-601A	Solid Mechanics
2	ME-601B	Alternate Automotive Fuels & Emission
3	ME-601C	Finite Element Method

L) = 1 credit	1 hour Tutorial (T) = 1 credit

S.No.	Code	Open Elective Courses-II				
1	ME-602A	Power Plant Engg.				
2	ME-602B	Intellectual Property Right				
3	ME-602C	Advance Materials				

2 hour Practical (P) = 1 credit

BSC: Basic Science Course, PCC: Professional Core Course, PEC: Professional Elective Course, HSMS: Humanities Science, Management Course, MC: Mandatory Course, PI: Project and Internship, DLC: Distance Learning Course

1 hour lecture (L.

Jabalpur Engineering College, Jabalpur

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Bachelor of Technology (B.Tech.) VI Semester [PTDC] (Electrical Engineering)

				IVIAXIIIUIII IVIAFKS Allotted						.e.f. July 2019 Revised 21/11/2022 Contact Hours Per Week				
S.No.		Category	Sublant N	Theory			Practical		1 t			77008	-	
	Code	Code	Subject Name	End. Sem.	Mid Sem. Exam.	Quiz/ Assignme nt	End Sem.	Lab Work	Total Marks	L	т	P	Total Credits	
1	EE401	PCC	Electrical Engineering Material 5	70	20	- 10	~	*	100	3			<u> </u>	
2	EE605	PCC	Power System Analysis	70	20	10	30	20	150			-	1 4	
3	EE505	PCC	Control System	70	20	10		***************************************		3	1	2	5	
4	EE705	OEC			20	10	30	20	150	3	1 , .	2	5	
		OEC	Open Elective Course-II	70	20	10	-	*	100	3	1	,	4	
5	EE610	PI	Minor Project (Design) II			***************************************	60	40	100	~	***************************************		 	
			Total	280	-				100	-	*	4	2	
	****		Self-Learning Presentation	400	80	40	120	80	600	12	4	8	20	
7	EE808	DLC	(SWAYAM/NPTEL/MOOC)	-	-		**	NA.	-				-	
		se for Honor		Permitted	to opt for m	aximum tw	o additional	MOOC co	Durses for the	award of	Honours (N	linor Spec	alization)	

Note: I Departmental BOS will decide list of three optional subjects those are available in MOOC as well for PEC.

S.No.	Code	Open Elective Courses - II					
1	EE705A	Generalized Theory of Electric Machine					
2	EE705B	Digital Control System					
3	EE705C	Advanced Industrial Electronics					

1 hour lecture (L) = 1 credit I hour Tutorial (T) = 1 credit

2 hour Practical (P) = 1 credit

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Bachelor of Technology (B.Tech.) VI Semester [PTDC] (Electronics & Telecommunication Engineering)

T	1		w.e.f. July 2 019 2020									
					um Marks	Allotted			Contac	et Hours P	er Week	
Subject		Subject Name		Theory	_	Practical		Total				1
Code			End. Sem.	Mid Sem. Exam.	Quiz/ Assignme nt	End Sem.	Lab Work	Marks	L	Т	P	Total Credits
EC604	PCC	Digital Signal Processing	70	20	10	30	20	150	3	1	2	5
EC701	PCC	TV & Digital Display	70	20	10			100	3	1		4
EC703	PCC	Antenna and Wave Propagation	70	20	10	30	20	150	3	-1	2	5
EC704	PEC	Professional Elective Courses-II	70	20	10			100	3	1		4
EC606	PI	Minor Project				60	40	100			4	2
-			280	80	40	120	80	600	12	4	8	20
EC608	DLC	Self-Learning Presentation (SWAYAM/NPTEL/MOOC)	-	-	- \	-	-	-	-	-	-	8
	EC604 EC701 EC703 EC704 EC606	Code Code EC604 PCC EC701 PCC EC703 PCC EC704 PEC EC606 PI	EC604 PCC Digital Signal Processing EC701 PCC TV & Digital Display EC703 PCC Antenna and Wave Propagation EC704 PEC Professional Elective Courses-II EC606 PI Minor Project Total	Code Code Subject Name End. Sem. EC604 PCC Digital Signal Processing 70 EC701 PCC TV & Digital Display 70 EC703 PCC Antenna and Wave Propagation 70 EC704 PEC Professional Elective Courses-II 70 EC606 PI Minor Project 70 EC608 DIC Self-Learning Presentation	Subject Code Category Code Subject Name Theory EC604 PCC Digital Signal Processing 70 20 EC701 PCC TV & Digital Display 70 20 EC703 PCC Antenna and Wave Propagation 70 20 EC704 PEC Professional Elective Courses-II 70 20 EC606 PI Minor Project Total 280 80 EC608 DI C Self-Learning Presentation Self-Learning Presentation Self-Learning Presentation	Subject Code	Code Code Subject Name End. Sem. Mid Sem. Exam. Quiz/Assignme nt End Sem. nt EC604 PCC Digital Signal Processing 70 20 10 30 EC701 PCC TV & Digital Display 70 20 10 30 EC703 PCC Antenna and Wave Propagation 70 20 10 30 EC704 PEC Professional Elective Courses-II 70 20 10 60 EC606 PI Minor Project 60 60 120 120 EC608 DI C Self-Learning Presentation 80 40 120	Subject Code	Subject Code $\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Subject Code $\frac{\text{Category Code}}{\text{Code}}$ Subject Name $\frac{\text{Maximum Marks Allotted}}{\text{End.}}$ Sem. $\frac{\text{Mid Sem.}}{\text{Sem.}}$ $\frac{\text{Quiz}}{\text{Assignme}}$ $\frac{\text{Lab}}{\text{Nork}}$ $\frac{\text{Mork}}{\text{Work}}$ $\frac{\text{Lab}}{\text{Marks}}$ $\frac{\text{Mork}}{\text{Lab}}$ $\frac{\text{Lab}}{\text{Marks}}$ $\frac{\text{Mork}}{\text{Marks}}$ $\frac{\text{EC}}{\text{Code}}$ $\frac{\text{EC}}{\text{Code}}$ $\frac{\text{PCC}}{\text{PC}}$ Digital Signal Processing $\frac{1}{100}$ $\frac{1}{1$	Subject Code	Subject Category Code Subject Name Maximum Marks Allotted Theory Practical Total Marks Lab Work L

dditional Course for Honours or Minor Specialization

Permitted to opt for maximum two additional MOOC courses for the award of Honours (Minor Specialization).

ote: Departmental BOS will decide list of three optional subjects those are available in MOOC as well for PEC.

S.No.	Code	Professional Elective Courses-II
1	EC704B	Information Theory and Coding
2	EC704C	

1	hour	lecture	(L) =	1 cre	edit	

1 hour Tutorial (T) = 1 credit

2 hour Practical (P) = 1 credit

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