## Jabaipur Engineering College, Jabalpur

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

(AICTE Model Curriculum Based Scheme)

Bachelor of Technology (B.Tech.) IV Semester [PTDC] (Civil Engineering)

		-			Maxim	um Marks	Allotted			Contact Hours Per Week			
	Subject	Category		Theory			Practical		Total	<b>*************************************</b>	T		
S.No.	Code	Code	Subject Name	End. Sem.	Mid Sem. Exam.	Quiz/ Assignme nt	End Sem.	Lab Work	Marks	L	Т	Р	Total Credits
1	BT521	HSMC	Engineering Economics and Management	70	20	10	<b>.</b>	***	100	3	ı	301	4
2	CE504	PCC	Geotechnical Engineering-II	70	20	10	30	20	150	3	1	2	5
3	CE404	PCC	Fluid Mechanics	70	20	10	30	20	150	3	1	2	5
4	CE611	PEC	Professional Elective Course-II	70	20	10	~	**	100	3	1	as.	4
5	CE606	ΡI	Minor Project I				50	40	100			1	2

6	CE407	MC	Industrial Training	Minimum	Four Week	s Duration.	Evaluation	will be dor	ne in 5th ser	nester			
	***************************************	***************************************	Tota	280	80	40	120	80	600	12	4	8	20
7	CE608		Self-Learning Presentation (SWAYAM/NPTEL/MOOC)	*	*	200	*	***			•ec	***************************************	8
A ddie:	anal Causa	. C 11	\$ 4° C • 16 •	***************************************	<b></b>	<b></b>							

Additional Course for Honours or Minor Specialization

CE407

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

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	CE611A	Geographical Information System
2	CE611B	Natural Disaster Mitigation & Management
3	CE611C	Traffic Engineering

I hour lecture (L) = 1 credit

I hour Tutorial (T) = 1 credit

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, PC Brotes land I (Examin), DLC: Distance Learning Course

Jabalpur Engineering College Jabalpur - 482 011 (M.P.)



## Jabalpur Engineering College, Jabalpur

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

(AICTE Model Curriculum Based Scheme)

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

w.e.f. July 2019

				<b>T</b>	Maxim	um Marks	Allotted		· · ·	Contact Hours Per Week			поделеннями
	C., b.!4	C-4	Subject Name		Theory		Prac	tical		Comm	1 11041314	,	Total Credits
S.No.	Code	Category Code		End. Sem.	Mid Sem. Exam.	Quiz/ Assignme nt	End Sem.	Lab Work	Total Marks	L	Т	P	
1	BT521	HSMC	Engineering Economics and Management	70	20	10	or.	per-	100	3	1	***************************************	4 .
2	ME402	PCC	Fluid Mechanics	70	20	10	30	20	150	3	1 .	2 .	5
3 ∨	ME503	PCC	Internal Cumbusion Engines	70	20	10	30	20	150	3	1 .	2	5
4 /	ME401	PEC	Professional Elective Course-II	70	20	10	w.	,94K	100	3	1 ,	ae	4
5	ME606	PI	Minor Project I				50	40	100	***************************************		4	2
6	ME407	МС	Industrial Training	Minimum Four Weeks Duration. Evaluation will be done in 5th semester									£
			Total	280	80	40	120	80	600	12	4	8	20
7	ME608	DLC	Self-Learning Presentation (SWAYAM/NPTEL/MOOC)	40-	*	~	**	**	**		•	we.	8
•			urs or Minor Specialization	Permitted	***************************************	aximum tw	o additional	MOOC co	ourses for th	e award of	Honours (N	Minor Spec	ialization).

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	ME401A	Machine Design-I
2	ME401B	Mechatronics
3	ME401C	Total Quality Management & Statistical Quality Control

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Jabalpur - 482 011 (M.P.)

## Jabalpu Engineering College, Jalalpur

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

(AICTE Model Curriculum Based Scheme)

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

					Maxim	um Marks	Allotted .		e.f. July 20		d 21/11/202 t Hours Pe		
S.No.	Subject	Category	Subject Name		Theory		Prac	tical	1 1	Contac	t Hours I t	TYCCA	1
5.110.	Code	Code		End. Sem.	Mid Sem. Exam.	Quiz/ Assignme nt	End Sem.	Lab Work	Total Marks	L	Т	P	Total Credits
1	BT521	HSMC	Engineering Economics and Management	70	20	10	-	-	100	3	1	-	4
2	EE503	PCC	Electrical Machine-II	70	20	10	30	20	150	3	1 .	2	5
3	EE504	PCC	Power Electronics	70	20	10	30	20	150	3	1	2	5
4	EE602	PEC	Professional Elective Course - II	70	20	10	-	-	100	3	1		4
5	EE606	PI	Minor Project I	-	-	-	60	40	100			4	-
6	EE407	МС	Industrial Training	Minimu	m Four W	eeks Dura	tion. Eval	uation wi	ll be done	in 5th ser	mester.	4	2
			Total	St. 188	80	40	120	80	600	12	4	8	20
7.	EE608	DLC	Self-Learning Presentation (SWAYAM/NPTEL/MOOC)	-	-	-	-	-	-			-	8
			urs or Minor Specialization	Permitted	to opt for m	naximum tw	o additiona	I MOOC o	ourses for th	e award of	Honours (1	Minor Spec	

Note: I 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 parctical 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 - Il
1	EE602A	Electrical & Hybrid Vehicle
2	EE602B	Control System Design
3	EE602C	Soft Computing Techniques

I hour lecture (L) = 1 credit

1 hour Tutorial (T) = 1 credit

2 hour Practical (P) = 1 credit

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## Jabalpur Ingineering College, Jabalpur

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(AICTE Model Curriculum Based Scheme)

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

			T						w.	e.f. July 24	9 <del>19</del> 2 0 2 2	_	
			Subject Name			um Marks	Allotted			Contac	et Hours P	er Week	
	Subject	Category			Theory		Prac	tical	Total				Total Credits
δ.No.	Code	Code		End. Sem.	Mid Sem. Exam.	Quiz/ Assignme nt	End Sem.	Lab Work	Total Marks	L	Т	P	
1	BT511	HSMC	Professional Ethics	70	20	10	-	_	100	3	1	-	4
2	EC502	OEC	Open Elective Course-I	70	20	10			100	3	1		4
3	EC503	PCC	Digital Communication	70	20	10	30	20	150	3	1	2	5
4	EC504	PCC	Communication N/W and Transmissin Lines	70	20	10	30	20	150	3	1	2	5
5	EC407	DLC/PI	Seminar				60	40	100			4	2
					la .				-	•			
			Total	280	80	40	120	80	600	12	4	8	20
6	EC608		Self-Learning Presentation (SWAYAM/NPTEL/MOOC)	-	-	-	-	-	-	-	-	-	4
			irs or Minor Specialization		to opt for ma	aximum two	additional		urses for the	e award of	Honours (N	Ainor Speci	alization).

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

S.No.	Code	Open Elective Courses-I
1	EC502A	Data Structure
2	EC502B	Industrial electronics

1 hour lecture (L) = 1 credit

1 hour Tutorial (T) = 1 credit

2 hour Practical (P) = 1 credit

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