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] (Civil Engineering)

w.e.f. July 2019

S.No.	Subject Code	Category Code	Subject Name	Maximum Marks Allotted					Total Marks	Contact Hours Per Week			Total Credits
				Theory			Practical						
				End. Sem.	Mid Sem. Exam.	Quiz/ Assignment	End Sem.	Lab Work		L	T	P	
1	BT521	HSMC	Engineering Economics and Management	70	20	10	-	-	100	3	1	-	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	-	4
5	CE606	PI	Minor Project I				50	40	100			4	2
6	CE407	MC	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	CE608	DLC	Self-Learning Presentation (SWAYAM/NPTEL/MOOC)	-	-	-	-	-	-	-	-	-	8
Additional Course for Honours or Minor Specialization				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

1 hour lecture (L) = 1 credit | 1 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, PI: Project I, DLC: Distance Learning Course

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

Principal
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

S.No.	Subject Code	Category Code	Subject Name	Maximum Marks Allotted					Total Marks	Contact Hours Per Week			Total Credits
				Theory			Practical						
				End. Sem.	Mid Sem. Exam.	Quiz/ Assignment	End Sem.	Lab Work		L	T	P	
1	BT521	HSMC	Engineering Economics and Management	70	20	10	-	-	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	-	-	100	3	1	-	4
5	ME606	PI	Minor Project I				50	40	100			4	2
6	ME407	MC	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)	-	-	-	-	-	-	-	-	-	8
Additional Course for Honours or Minor Specialization				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	ME401A	Machine Design-I
2	ME401B	Mechatronics
3	ME401C	Total Quality Management & Statistical Quality Control

1 hour lecture (L) = 1 credit	1 hour Tutorial (T) = 1 credit	2 hour Practical (P) = 1 credit

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Controller (Exam.)
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(AICTE Model Curriculum Based Scheme)

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

w.e.f. July 2019 Revised 21/11/2022

S.No.	Subject Code	Category Code	Subject Name	Maximum Marks Allotted					Total Marks	Contact Hours Per Week			Total Credits
				Theory			Practical						
				End. Sem.	Mid Sem. Exam.	Quiz/ Assignment	End Sem.	Lab Work		L	T	P	
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	2
6	EE407	MC	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	EE608	DLC	Self-Learning Presentation (SWAYAM/NPTEL/MOOC)	-	-	-	-	-	-	-	-	-	8
Additional Course for Honours or Minor Specialization				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 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 - II
1	EE602A	Electrical & Hybrid Vehicle
2	EE602B	Control System Design
3	EE602C	Soft Computing Techniques

1 hour lecture (L) = 1 credit

1 hour Tutorial (T) = 1 credit

2 hour Practical (P) = 1 credit

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22/11/2022

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] (Electronics & Telecommunication Engineering)

w.e.f. July ~~2019~~ 2022

S.No.	Subject Code	Category Code	Subject Name	Maximum Marks Allotted					Total Marks	Contact Hours Per Week			Total Credits
				Theory			Practical						
				End. Sem.	Mid Sem. Exam.	Quiz/ Assignment	End Sem.	Lab Work		L	T	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
			Total	**280**	**80**	**40**	**120**	**80**	**600**	**12**	**4**	**8**	**20**
6	EC608	DLC	Self-Learning Presentation (SWAYAM/NPTEL/MOOC)	-	-	-	-	-	-	-	-	-	4
dditional Course for Honours or Minor Specialization				Permitted to opt for maximum two additional MOOC courses for the award of Honours (Minor Specialization).									

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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