Jabalpur Engineering College, Jabalpur

(Declared Autonomous by MP Govt., Affiliated to RGPV, Bhopal)
(AICTE Model Curriculum Based Scheme)
Bachelor of Technology (B.Tech.) V 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	BT511	HSMC	Professional Ethics	70	20	10	-	-	100	4	1	-	5
2	CE502	OEC-I	Open Elective Course-I	70	20	10	-	-	100	4	1	-	5
3	CE503	PCC	Structural Analysis-I	70	20	10	30	20	150	4	1	2	6
4	CE505	PCC	Structural Design-I (RCC)	70	20	10	30	20	150	4	1	2	6
5	CE407	DLC/PI	Industrial Training/ Internship Evaluation				60	40	100	-	-	4	2
			Total	280	80	40	120	80	600	16	4	8	24
6	CE708	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 MOOC subjects shall be taken with permission of HOD/Coordinator

S.No.	Code	Open Elective Courses-I
i	CE502A	Construction Technology
2	CE502B	Rock Mechanics
3	CE502C	Water Resource Egineering

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 and Internship, DLC: Distance Learning Course

Jabalpur Engineering College, Jabalpur

(Declared Autonomous by MP Govt., Affiliated to RGPV, Bhopal)
(AICTE Model Curriculum Based Scheme)
Bachelor of Technology (B.Tech.) V 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			L	T	P	
				End. Sem.	Mid Sem. Exam.	Quiz/ Assignment	End Sem.	Lab Work					
1	ME502	OEC	Open Elective Course-I	70	20	10	-	-	100	4	1	-	5
2	ME504	PCC	Turbo Machines	70	20	10	30	20	150	4	1	2	6
3	ME603	PCC	Heat & Mass Transfer	70	20	10	30	20	150	4	1	2	6
4	ME604	PCC	Metal Cutting & M/C Tools	70	20	10	-	-	100	4	1	2	5
5	ME407/-	MC	Industrial Training & Evaluation/ Seminar				60	40	100			2	1
			Total	280	80	40	120	80	600	16	4	8	23
6	ME708	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	Open Elective Courses-1
1	ME502A	Instrumentation Measurement & Control
2	ME502B	Mechatronics
3	ME502C	TQM and SQC

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

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13.12.2021

13/12/2021

Principal
Part Time B. E. Degree Cour..
Govt. Engineering College Jabalpur

Jabalpur Engineering College, Jabalpur

(Declared Autonomous by MP Govt., Affiliated to RGPV, Bhopal)
(AICTE Model Curriculum Based Scheme)
Bachelor of Technology (B.Tech.) V 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	EE502	OEC	Open Elective Courses - I	70	20	10	-	-	100	4	1	-	5
2	EE603	PCC	Microprocessor & Microcontroller	70	20	10	30	20	150	4	1	2	6
3	EE604	PCC	Switchgear & Protection	70	20	10	30	20	150	4	1	2	6
4	EE704	PEC	Professional Elective Course - II	70	20	10			100	4	1		5
5	EE407	MC	Industrial Training Viva	-	-	-	60	40	100	-	-	2	1
			Total	280	80	40	120	80	600	16	4	6	23
7	EE708	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: Departmental BOS will decide list of three optional subjects those are available in MOOC as well for OEC/PEC.

S.No.	Code	Open Elective Courses - I
1	EE502A	Power System II
2	EE502B	Electrical Energy Conversation & Auditing
3	EE502C	Computational Electromagnetics

S.No.	Code	Professional Elective Courses - III
1	EE704A	Power System Planning and Reliability
2	EE704B	Wind & Solar Energy System
3	EE704C	Advanced Digital Communication

1 hour lecture (L) = 1 credit

1 hour Tutorial (T) = 1 credit

2 hour Practical (P) = 1 credit

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(AICTE Model Curriculum Based Scheme)
Bachelor of Technology (B.Tech.) V 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	EC505	PCC	Microprocesor & Microcontrollers	70	20	10	30	20	150	3	1	2	5
2	EC601	PEC	Professional Elective Course-I	70	20	10			100	3	1		4
3	EC602	OEC	Open Elective Courses-II	70	20	10			100	3	1		4
4	EC603	PCC	Linear Control Theory	70	20	10	30	20	150	3	1	2	5
5	EC707	MC	Seminar				60	40	100			4	2
			Total	280	80	40	120	80	600	12	4	8	20
6	EC708	DLC	Self-Learning Presentation (SWAYAM/NPTEL/MOOC)	-	-	-	-	-	-	-	-	-	4

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

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

S.No.	Code	Professional Elective Courses-I
1	EC601A	Data Communication
2	EC601B	Wireless Communication

S.No.	Code	Open Elective Courses - II
1	EC602A	Satellite Communication
2	EC602C	Robotics

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

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