

**Jabalpur Engineering College, Jabalpur**  
(Declared Autonomous by MP Govt., Affiliated to RGPV, Bhopal)  
(AICTE Model Curriculum Based Scheme)  
**Bachelor of Technology (B.Tech.) PTDC VI Semester (Civil Engg.)**

w.e.f. July 2019-20 batch

w.e.f. July 2019-20 batch													
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	CE602	OEC	Open Elective-II	70	20	10	-	-	100	3	1	-	4
2	CE603	PCC	Structural Analysis-II	70	20	10	30	20	150	3	1	2	5
3	CE604	PCC	Structural Design and Drawing-II (Steel)	70	20	10	-	-	100	3	1	-	4
4	CE605	PCC	Environmental Engg.-I	70	20	10	30	20	150	3	1	2	5
5	CE610	PI	Minor Project	-	-	-	60	40	100	-	-	4	2
Total				280	80	40	120	80	600	12	4	8	20
6	CE808	DLC	Self-Learning Presentation (SWAYAM/NPTEL/MOOC)	-	-	-	-	-	-	-	-	-	8
Additional Course for Honours or Minor Specialization				Permitted to opt for maximum two additional courses in subject code CE808 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													
List of Open Elective Courses													

**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	Basic Earthquake Engineering
2	CE602B	Waste Management
3	CE602C	Elements of FEM


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

1 hour lecture (L) = 1 credit

1 hour Tutorial (T) = 1 credit

2 hour Practical (P) = 1 credit

MOOC/DLC Courses	MOOC subjects shall be taken with permission of HOD/Coordinator
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**Dean (Academics)**  
Jabalpur Engineering College  
Jabalpur



**Jabalpur Engineering College, Jabalpur**  
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**Bachelor of Technology (B.Tech.) VI Semester [PTDC] (Mechanical Engineering)**  
w.e.f. July 2019

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	ME-601	PEC	Professional Elective Course-I	70	20	10	-	-	100	4	1	-	5
2	ME-605	PCC	Industrial Engineering & Management	70	20	10	30	20	150	4	1	2	6
3	ME-702	PCC	Vibration & Noise Control	70	20	10	30	20	150	4	1	2	6
4	ME-602	OEC	Open Elective Course-II	70	20	10	-	-	100	4	1	-	5
5	ME-610	PI	Minor Project -II				60	40	100			4	1
6	ME607	MC	Summer Industrial Training	Minimum Four Weeks Duration Evaluation will be done in 7th semester									
Total				280	80	40	120	80	600	16	4	8	23
7	ME808	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 department. 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

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

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

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13/12/2021

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Mechanical Engineering  
Jabalpur Engineering College  
Ph: 482 011 (041)  
13/12/2021

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Principal  
Jabalpur Engineering College  
B.Tech. Degree Course

**Jabalpur Engineering College, Jabalpur**  
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**Bachelor of Technology (B.Tech.) VI Semester [PTDC] (Electrical Engineering)**

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

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			L	T	P	
				End. Sem.	Mid Sem. Exam.	Quiz/ Assignment	End Sem.	Lab Work					
1	EE401	PCC	Electrical Engineering Material	70	20	10	-	-	100	3	1	-	4
2	EE605	PCC	Power System Analysis	70	20	10	30	20	150	3	1	2	5
3	EE505	PCC	Control System	70	20	10	30	20	150	3	1	2	5
4	EE705	OEC	Open Elective Course-II	70	20	10	-	-	100	3	1	-	4
5	EE610	PI	Minor Project (Design) II				60	40	100	-	-	4	2
Total				280	80	40	120	80	600	12	4	8	20
7	EE808	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 MOOCs, DLC, PCC.													

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

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

*Sudheep*  
22/11/22

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22/11/2022

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**Bachelor of Technology (B.Tech.) VI 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			L	T	P	
				End. Sem.	Mid Sem. Exam.	Quiz/ Assignment	End Sem.	Lab Work					
1	EC604	PCC	Digital Signal Processing	70	20	10	30	20	150	3	1	2	5
2	EC701	PCC	TV & Digital Display	70	20	10			100	3	1		4
3	EC703	PCC	Antenna and Wave Propagation	70	20	10	30	20	150	3	1	2	5
4	EC704	PEC	Professional Elective Courses-II	70	20	10			100	3	1		4
5	EC606	PI	Minor Project				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)	-	-	-	-	-	-	-	-	-	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 the 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-II
1	EC704B	Information Theory and Coding
2	EC704C	RFID

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

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3/10/22  
Jabalpur Engineering College  
Jabalpur

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