

Jabalpur Engineering College, Jabalpur

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

(AICTE Model Curriculum Based Scheme)

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

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	CE801	PCC	Structural Design & Drawing-IV (Steel)	70	20	10	30	20	150	3	1	2	5
2	CE802	PCC	Estimating Costing and Tendering	70	20	10	30	20	150	3	1	2	5
3	CE803	PEC	Professional Elective Course-III	70	20	10	-	-	100	3	1	-	4
4	CE804	OEC	Open Elective Course-IV	70	20	10	-	-	100	3	1	-	4
5	CE805	PI	Project-II (Testing & Implementation)	-	-	-	60	40	100	-	-	4	2
Total				280	80	40	120	80	600	12	4	8	20

Note: Departmental BOS will decide list of four elective subjects for each PEC (Program Elective Course) / OEC (Open Elective Course).

Professional Elective Course-III		
S.No	Subject Code	Subject Name
1	CE803A	Pre-Stressed Concrete
2	CE803B	Pavement Design
3	CE803C	Traffic Engineering

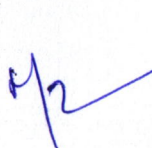
Open Elective Course-IV		
S.No.	Subject Code	Subject Name
1	CE804A	Finite Element Method
2	CE804B	Air Quality Monitoring & Control
3	CE804C	FRP Composites

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

1 hour lecture (L) = 1 credit

1 hour Tutorial (T) = 1 credit

2 hour Practical (P) = 1 credit





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Bachelor of Technology (B.Tech.) VIII 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	ME801	PCC	Advance Machine Design	70	20	10	30	20	150	3	1	2	5
2	ME802	PCC	Automobile Engineering	70	20	10	30	20	150	3	1	2	5
3	ME704	PEC	Professional Elective Course IV	70	20	10			100	3	1		4
4	ME804	OEC	Open Elective Course IV	70	20	10			100	3	1		4
5	ME805	PI	Project-II (Testing & Impementation)				60	40	100			6	3
Total				280	80	40	120	80	600	12	4	8	21

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	Course Code	Open Elective Course IV
1	ME804A	Energy Conservation & Audit
2	ME804B	Data Analysis
3	ME804C	Management Information System

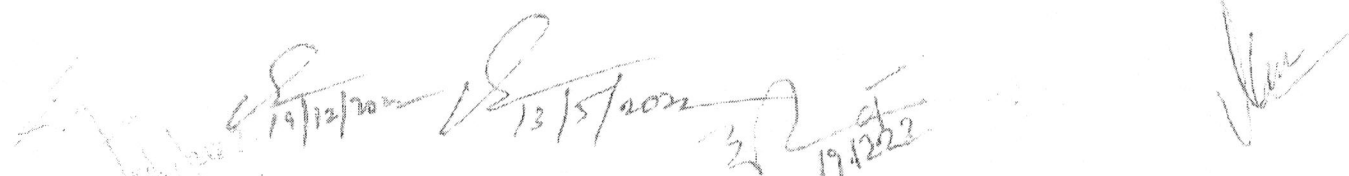
1 hour lecture (L) = 1 credit

S.NO	Course Code	Professional Elective Course IV
1	ME704A	Industrial Robotics
2	ME704B	Product Design
3	ME704C	Gas Dynamics and Jet Propulsion

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



 19/12/2020 13/5/2022 19/12/22

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Bachelor of Technology (B.Tech.) VIII Semester [PTDC] (Electrical 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	EE801	PCC	EHV AC & HVDC Transmission	70	20	10	30	20	150	3	1	2	5
2	EE802	PCC	Advance Electrical Drive	70	20	10	30	20	150	3	1	2	5
3	EE804	OEC	Open Elective Course-III	70	20	10	-	-	100	4	1	-	5
4	EE805	PI	Project - II (Testing & Implementation)	-	-	-	150	100	250	-	-	12	6
Total				210	60	30	210	140	650	10	3	16	21

S.No.	Code	Open Elective Courses - III
1	EE804A	Digital Image Processing
2	EE804B	Power Quality
3	EE804C	Computer Networks

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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06/04/23

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Bachelor of Technology (B.Tech.) VIII Semester [PTDC] (Electronics & Telecommunication Engg.)

w.e.f. July 2019 2022

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	EC801	PCC	Optical Communication	70	20	10	30	20	150	3	1	2	5
2	EC802	PCC	Advance Communication	70	20	10	30	20	150	3	1	2	5
3	EC804	OEC	Open Elective Course-IV	70	20	10			100	3	1		4
4	EC805	PI	Project II (Testing and implementation)				100	100	200			12	6
Total				210	60	30	160	140	600	9	3	12	20
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.

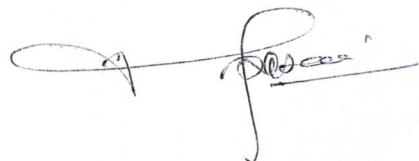
S.No.	Code	Open Elective Courses - IV
1	EC804A	Economic and Social Issues
2	EC804B	I.O.T
3	EC804C	Fuzzy Logic & Neural N/W

1 hour lecture (L) = 1 credit

1 hour Tutorial (T) = 1 credit

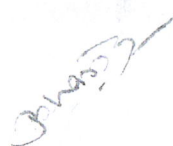
2 hour Practical (P) = 1 credit

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









Approved & Signed
Head of the Institution
(Date: 10/07/2022)

