

PEOPLE'S UNIVERSITY, BHOPAL
Faculty of Engineering (Choice Based Credit System)
Course Details and Scheme of Examination
(w.e.f. from Academic Session 2021-22 onwards)



PROGRAMME: Bachelor of Technology

BRANCH: Electrical Engineering


SECOND YEAR (III SEMESTER)

Course Code	Name of the Courses	Course Mode (B/C/E)	Maximum Marks Allotted						Total Marks	Teaching Contact Hours			Total Credits	Component (F/V)
			Theory			Practical				L	T	P		
			End Sem	MST/Attendance Assignment	Internal Exam	End Sem	Lab Performance/Attendance/Quiz	Internal Exam						
CBEE-301	Electrical Engineering Material	C	70	30	-	-	-	-	100	3	1	0	04	F
CBEE -302	Principal of Electromagnetism	C	70	30	-	-	-	-	100	3	1	0	04	F
CBEE -303	Electrical Machine – I	C	70	30	-	35	15	-	150	3	1	2	05	F
CBEE -304	Circuit Theory	C	70	30	-	35	15	-	150	3	1	2	05	F
CBEE -305	Electrical Measurement & Instrumentation	E	35	15	-	35	15	-	100	1	0	2	02	V
CBEE -306	Electrical Workshop	C	-	-	-	-	-	50	50	0	0	2	01	F
CBTE -307	*NCC-III	E	35	15	-	35	15	-	100	1	0	12	07	V
CBTE -308	Introduction to Internet of Things	E	70	30	-	35	15	-	150	2	0	2	03	V
CBTE -309	Quantitative Aptitude & Logical Reasoning	E	-	-	50	-	-	-	50	1	0	0	01	V
CBTE-310	NSS-II/NSO-II	E	-	-	-	-	-	50	50	0	0	2	01	V
CBTE-311	Music Vocal- II/ Music Instruments-II	E	-	-	-	-	-	50	50	0	0	2	01	V
CBTE-312	Social Engineering	B	-	-	50	-	-	-	50	1	0	0	00	F
Total			420	180	100	175	75	150	1100	18	04	26	34	

Note: Student must earn 26 credits to complete this semester. (*For NCC-III 05 credits will be allotted after successful completion of camp.)


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BRANCH: Electrical Engineering

SECOND YEAR (IV SEMESTER)														
Course Code	Name of the Courses	Course Mode (B/C/E)	Maximum Marks Allotted						Total Marks	Teaching Contact Hours			Total Credits	Component (F/V)
			Theory			Practical				L	T	P		
			End Sem	MST/Attendance Assignment	Internal Exam	End Sem	Lab Performance/Attendance/Quiz	Internal Exam						
CBTE-401	Entrepreneurship and IPR	C	70	30	-	-	-	-	100	3	0	0	03	F
CBEE-402	Electrical Power Generation	C	70	30	-	35	15	-	150	3	0	2	04	F
CBEE-403	Electronic Device & Circuits	C	70	30	-	35	15	-	150	3	1	2	05	F
CBEE-404	Electrical Machine – II	C	70	30	-	35	15	-	150	3	1	2	05	F
CBEE-405	Digital Electronics	C	35	15	-	35	15	-	100	2	0	2	03	F
CBEE-406	Electrical Software Lab –I	E	-	-	-	-	-	50	50	0	0	2	01	V
CBTE-407	NCC –IV	E	35	15	-	35	15	-	100	2	0	2	03	V
CBTE-408	Research Methodology	E	-	-	50	-	-	-	50	0	0	2	01	V
CBTE-409	Environmental Science	B	-	-	100	-	-	-	100	1	0	0	00	F
CBTE-410	Massive Open Online Courses (MOOCs)-I	E	-	-	-	-	-	50	50	0	0	2	01	V
CBTE-411	Sociology	E	-	-	50	-	-	-	50	1	0	0	01	V
CBTE-412	Fine Arts-II	E	-	-	-	-	-	50	50	0	0	2	01	V
Total			350	150	200	175	75	150	1100	18	02	18	28	
NCC V- Camp/ Industrial Training)		E/C	To be completed after fourth semester. Its evaluation/credit to be added in FIFTH SEMESTER											

Note: Student must earn 24 credits to complete this semester.

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Faculty of Engineering (Choice Based Credit System)

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PROGRAMME: Bachelor of Technology

BRANCH: Electrical Engineering

THIRD YEAR (V SEMESTER)

Course Code	Name of the Courses	Course Mode (B/C/E)	Maximum Marks Allotted						Total Marks	Teaching Contact Hours			Total Credits	Component (F/V)
			Theory			Practical				L	T	P		
			End Sem	MST/Attendance Assignment	Internal Exam	End Sem	Lab Performance/Attendance/Quiz	Internal Exam						
Refer Table-I	Open Elective (Refer Table-I)	E	70	30	-	-	-	-	100	3	0	0	03	F
CBEE-502	Control Systems	C	70	30	-	-	-	-	100	3	0	0	03	F
CBEE-503	Transmission & Distribution of Electrical Power	C	70	30	-	-	-	-	100	3	1	0	04	F
CBEE-504	Analog & Digital Communication	C	70	30	-	35	15	-	150	3	1	2	05	F
CBEE-505	Switchgear & Protection	C	70	30	-	35	15	-	150	3	1	2	05	F
CBEE-506	Utilization of Electrical Power	E	70	30	-	35	15	-	150	3	0	2	04	V
CBTE-507	*NCC-V	E	35	15	-	35	15	-	100	1	0	12	07	V
CBTE-508	Accounting and Finance Management	E	35	15	-	-	-	-	50	2	0	0	02	V
CBEE-509	Electrical Simulation-II	E	-	-	-	-	-	50	50	0	0	2	01	V
CBTE-510	Industrial Training	C	-	-	-	100	-	-	100	0	0	2	01	F
CBTE-511	Indian Constitution	B	-	-	50	-	-	-	50	1	0	0	00	F
Total			490	210	50	240	60	50	1100	22	03	22	35	

Note: Student must earn 28 credits to complete this semester. (*For NCC-V 05 credit will be allotted after successful completion of camp.)

Table -I

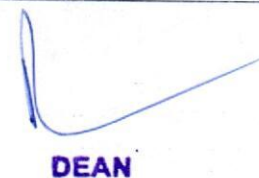
Course Code	Name of Open Elective Course	Course Code	Name of Open Elective Course
CBTE-5101	Gender Equality	CBTE-5103	Ethical Hacking & Cyber Security
CBTE-5102	Human Health & Nutrition	CBTE-5104	Industrial Safety and Environment


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BRANCH: Electrical Engineering

THIRD YEAR (VI SEMESTER)

Course Code	Name of the Courses	Course Mode (B/C/E)	Maximum Marks Allotted						Total Marks	Teaching Contact Hours			Total Credits	Component (F/V)
			Theory			Practical				L	T	P		
			End Sem	MST/Attendance Assignment	Internal Exam	End Sem	Lab Performance/Attendance/Quiz	Internal Exam						
										End Sem	MST/Attendance Assignment	Internal Exam		
Refer Table -II	Department Elective -I	E	70	30	-	-	-	-	100	3	0	0	03	F
CBEE- 602	Power Electronics	C	70	30	-	-	-	-	100	3	1	0	04	F
CBEE-603	Electrical Drives	C	70	30	-	35	15	-	150	3	1	2	05	F
CBEE- 604	Protection of Power Systems	C	70	30	-	35	15	-	150	3	1	2	05	F
CBEE- 605	Electronics Instrumentation & Measurement	E	70	30	-	35	15	-	150	2	0	2	03	V
CBTE-606	Human Resource Management	E	35	15	-	-	-	-	50	2	0	0	02	V
CBTE-607	NCC - VI	E	35	15	-	35	15	-	100	2	0	2	03	V
CBTE-608	Company and Compensation law	E	35	15	-	-	-	-	50	2	0	0	02	V
CBEE-609	Electrical Engineering Software Lab-III	E	-	-	-	-	-	50	50	0	0	2	01	V
CBTE-610	Universal Human Ethics	B	-	50	50	-	-	-	100	2	1	0	03	F
Total			455	245	50	140	60	50	1000	22	04	10	31	

Note: Student must earn 24 credits to complete this semester

Table -II

Subject Code	Name of Department Elective Course	Subject Code	Name of Department Elective Course
CBEE-6101	Computer Application to Power Systems	CBEE-6103	Power Electronics Application to Power System
CBEE-6102	Generalized theory of Electrical Machine	CBEE-6104	High Voltage Engineering

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Course, E, Elective Course, F- Fixed, V-Variable, L-Lecture, P- Practical, T- Tutorials, MST: Mid Semester Test (at least twice per Semester) MST-Mid Sem Test. For examination and promotion criteria existing B. Tech. ordinance is applicable.

PROGRAMME: Bachelor of Technology

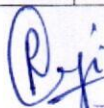
BRANCH: Electrical Engineering

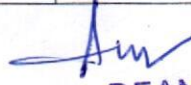
FOURTH YEAR (VII SEMESTER)														
Course Code	Name of the Courses	Course Mode (B/C/E)	Maximum Marks Allotted						Total Marks	Teaching Contact Hours			Total Credits	Component (F/V)
			Theory			Practical				L	T	P		
			End Sem	MST/Attendance Assignment	Internal Exam	End Sem	Lab Performance/Attendance/Quiz	Internal Exam						
Refer Table -III	Department Elective -II	E	70	30	-	-	-	-	100	3	0	0	03	F
Refer Table -III	Department Elective -III	E	70	30	-	-	-	-	100	3	0	0	03	F
CBEE-703	EHV AC / DC Transmission Systems	C	70	30	-	-	-	-	100	3	0	0	03	F
CBEE-704	Computer Aided Design of Electrical Machine	C	70	30	-	35	15	-	150	3	0	2	04	F
CBEE-705	Power System Operation & Control	C	70	30	-	35	15	-	150	3	1	2	05	F
CBEE-706	Non Conventional Energy Source	C	70	30	-	-	-	-	100	3	1	0	04	F
CBEE-707	Innovative Project Lab	C	-	-	-	-	-	50	50	0	0	2	01	F
CBTE-708	Introduction to MATLAB	E	-	-	-	-	-	50	50	0	0	2	01	V
CBTE-709	Psychology	E	-	-	50	-	-	-	50	1	0	0	01	V
CBTE-710	Massive Open Online Courses (MOOCs) III	E	-	-	-	-	-	50	50	0	0	2	01	V
CBTE-711	Professional Ethics and Proficiency	B	-	-	-	35	15	-	50	0	0	2	01	F
CBTE-712	GD/Seminar	E	-	-	-	-	-	50	50	0	0	2	01	V
Total			420	180	50	105	45	200	1000	19	02	14	28	

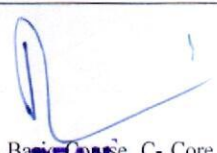
Note: Student must earn 26 credits to complete this semester.

Table-III

Subject Code	Name of Department Elective Course-III	Subject Code	Name of Department Elective Course-IV
CBEE-7101	Power Quality	CBEE-7201	Energy Audit & Management
CBEE-7102	Power Systems Deregulation	CBEE-7202	Special Machine
CBEE-7103	HVDC & FACTS	CBEE-7203	SCADA Systems and Applications
CBEE-7104	Power system Economics	CBEE-7204	Artificial Neural Network & Fuzzy Logic


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MST: People's University Bhopal examination and evaluation criteria existing B. Tech. ordinance is applicable.

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BRANCH: Electrical Engineering

FOURTH YEAR (VIII SEMESTER)

Course Code	Name of the Course	Course Mode (B/C/E)	Maximum Marks Allotted						Total Marks	Teaching Contact Hours			Total Credits	Component (F/V)
			Theory			Practical				L	T	P		
			End Sem	MST/Attendance Assignment	Internal Exam	End Sem	Lab Performance/Attendance/Quiz	Internal Exam						
CBEE-801	Project Internship and Viva-Voce	C	-	-	-	300	200	-	500	0	0	20	10	F
Total			-	-	-	300	200	-	500	0	0	20	10	

Note: Student must earn 10 credits to complete this semester.

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