

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: Electronics & Communication Engineering

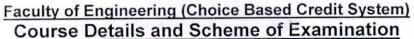
	SECO	OND YE	EAR	(III S	EM	EST	ER)							
			Ma	ximu heory	m N	larks				Teaching Contact Hours				
Course Code	Name of the Courses	Course Mode (B/C/E)	End Sem	MST/Attendance Assignment	Internal Exam	End Sem	Lab Performance/ Attendance/Quiz	Internal Exam	Total Marks	L	Т	P	Total Credits	Component (F/V)
CBEC-301	Computer System Organization	С	70	30	-	-	-	-	100	3	1	0	04	F
CBEC-302	Control System	С	70	30	-	-	-	-	100	3	1	0	04	F
CBEC-303	Electronic Devices	С	70	30	_	35	15	-	150	3	1	2	05	F
CBEC-304	Network Analysis	С	70	30	_	35	15	-	150	3	1	2	05	F
CBEC-305	Electronics Workshop	E	35	15	-	35	15	-	100	1	0	2	02	V
CBEC -306	C & C++ Programming	С	-	-	-	-	-	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	Е	70	30	-	35	15	-	150	2	0	2	03	V
CBTE -309	Quantitative Aptitude & Logical Reasoning	Е	-	-	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
E-312	Social Engineering	В	_	-	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.)

FACULTY OF ENGINEERING

DEAN

(One hour Lecture (L) refers Credit, One hour Tutorial (PEOPLE'S UNIVERSITY, BHOPAL Cocard of STUDIES 5- (ENGINE PRIME) L-Lecture, P- Practical, T- Tutorials, MST: Mid Semester Test (at least twice per Semester) MS pring Sent Test. For examination and promotion criteria existing B. Tech. ordinance is applicable.





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			Ma	ximu	m Ma	arks	Allott	ed		1	ach	_		
			T	heory	/	Pi	ractic	al		2 2000	loui			
Course Code	Name of the Courses	Course Mode (B/C/E)	End Sem	MST/Attendance Assignment	Internal Exam	End Sem	Lab Performance/ Attendance/Quiz	Internal Exam	Total Marks	L	Т	P	Total Credits	Component (F/V)
CBTE-401	Entrepreneurship and IPR	С	70	30	-	-	-	-	100	3	0	0	03	F
CBEC-402	Digital Circuits & System	С	70	30	-	35	15	-	150	3	0	2	04	F
CBEC-403	Analog Circuits	С	70	30	7-1	35	15	-	150	3	1	2	05	F
CBEC-404	Analog & Digital Communication	С	70	30	-	35	15	-	150	3	1	2	05	F
CBEC-405	Electronic Instrumentation	С	35	15	-	35	15	-	100	2	0	2	03	F
CBEC-406	Simulation Lab	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	В	-	-	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	

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

CHAIRMAN

ACADEMIC AFFAIR

FACULTY OF ENGINEERING PEOPLE'S UNIVERSITY, BHOPAL

(One nour Lecture ST) refers 1 credit; One hour Tutorial (T) PEOPLES LINUS Plactical (P) refers 0.5 credits.) B- Basic Course, C- Core Course, E-Fixed, Novariable, 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.



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			Т	heory	_	Pra	ctica	l		1000	lou			
Course Code	Name of the Courses	Course Mode (B/C/E)	End Sem	MST/Attendance Assignment	Internal Exam	End Sem	Lab Performance/ Attendance/Quiz	Internal Exam	Total Marks	L	Т	P	Total Credits	Component (F/V)
Reier Table -I	Open Elective (Refer Table- I)	Е	70	30	-	-	_	-	100	3	0	0	03	F
CBEC-502	Electromagnetic Theory	С	70	30	-	-	-	-	100	3	0	0	03	F
CBEC-503	Signal & System	С	70	30	-	-	-	-	100	3	1	0	04	F
CBEC-504	Microprocessor & Interfacing	С	70	30	-	35	15	-	150	3	1	2	05	F
CBEC-505	Communication Network & Transmission Line	С	70	30	-	35	15	-	150	3	1	2	05	F
CBEC-506	T.V & Radar Engineering	E	70	30	-	35	15	-	150	3	0	2	04	V
CBTE-507	*NCC-V	Е	35	15	-	35	15	-	100	1	0	12	07	V
CBTE-508	Accounting and Finance Management	Е	35	15	-	-	-	-	50	2	0	0	02	V
CBEC-509	IC Application Lab	Е	-	-	-	n= :	-	50	50	0	0	2	01	V
CBTE-510	Industrial Training	С	-	-	-	100	-	-	100	0	0	2	01	F
CBTE-511	Indian Constitution	В	-	-	50	1-	-	-	50	1	0	0	00	F
	Total		490	210	50	240	60	50	1100	22	03		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 and Cyber Security
CBTE-5102	Human Health & Nutrition	CBTE-5104	Industrial Safety & Environment

(One hour Lecture (L) refers T credit, One hour Tutorial (T) refer 1 credit, One hour Lecture (L) refers 0.5 craic Property of Course, CARDING COURSE, CARDING



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			1				Allott	ed			achi ntac			
			Т	heory		Pr	ractica	al		1	lour		Total Credits	
Course Code	Name of the Courses	Course Mode (B/C/E)	End Sem	MST/Attendance Assignment	Internal Exam	End Sem	Lab Performance/ Attendance/Quiz	Internal Exam	Total Marks	L	Т	Р		Component (F/V)
er Table -II	Department Elective -I	E	70	30	-	_	-	_	100	3	0	0	03	F
CBEC-602	Industrial Electronics	С	70	30	-	-	-	-	100	3	1	0	04	F
CBEC-603	Digital Signal Processing	С	70	30	-	35	15	-	150	3	1	2	05	F
CBEC-604	Microwave Engineering	С	70	30	-	35	15	-	150	3	1	2	05	F
CBEC-605	Microcontroller and Embedded Systems	Е	70	30	-	35	15	-	150	2	0	2	03	٧
CBTE-606	Human Resource Management	Е	35	15	-	-	-	-	50	2	0	0	02	٧
CBTE-607	NCC - VI	E	35	15	_	35	15	-	100	2	0	2	03	V
CBTE-608	Company and Compensation law	Е	35	15	z-	-	-	-	50	2	0	0	02	٧
CBEC-609	Verilog HDL	E	-	-	-	-	-	50	50	0	0	2	01	V
CBTE-610	Universal Human Ethics	В	-	50	50	-	-	-	100	2	1	0	03	F
	Total	6.1	455	245	50	140	60	50	1000	22	04	10	31	

Note: Student must earn 24 credits to complete this semester

Table -II

Course Code	Name of Department Elective Course I	Course Code	Name of Department Elective Course I
CBEC-6101	Information Theory and Coding	CBEC-6103	Digital Image Processing
CBEC-6102	Artificial Intelligence	CBEC-6104	Neural Network

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ACADEMIC AFFAIRS

FACULTY OF ENGINEERING COPLE'S UNIVERSITY, BHOPA

One hour Lecture T. Deles University, BHOPAL (One hour Practical (P) refers 0.5 credits.) B- Basic Course, C- Core Course, EDRILE SUMIVERSITY, BHOPAL (T) 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.



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			Maximum Marks Allotted Theory Practical							Teaching Contact Hours				
Course Code	Name of the Courses	Course Mode (B/C/E)	End Sem	MST/Attendance Assignment	_	End Sem	Lab Performance/ Attendance/Quiz	Internal Exam	Total Marks	L	т	Р	Total Credits	Component (F/V)
R Table -III	Department Elective -II	Е	70	30	-	-	-	-	100	3	0	0	03	F
Refer Table -III	Department Elective -III	E	70	30	-	-	-	-	100	3	0	0	03	F
CBEC-703	CMOS VLSI Design	С	70	30	-	-	-	-	100	3	0	0	03	F
CBEC-704	Antenna & Wave Propagation	C	70	30	-	35	15	-	150	3	0	2	04	F
CBEC-705	Optical Communication	C	70	30	-	35	15	-	150	3	1	2	05	F
CBEC-706	Satellite Communication	С	70	30	-	1-	-	-	100	3	1	0	04	F
CBEC-707	Innovative Project Lab	С	-	-	-	-		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) -II	E	-	-	-	-	-	50	50	0	0	2	01	V
CBTE-711	Professional Ethics and Proficiency	В	-	-	-	35	15	-	50	0	0	2	01	F
CBTE-712	GD/Seminar	Е	-	-	-	-	-	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

Course Code	Name of Department Elective Course II	Course Code	Name of Department Elective Course III
CBEC-7101	Cellular & Mobile Communication	CBEC-7201	Advanced Data Networks
CBEC-7102	Wireless & Ad-hoc Network	CBEC-7202	IoT System Architecture
CBEC-7103	Embedded System Design	CBEC-7203	Microelectronics Chip Fabrication
CBEC-7104	Biomedical Instrumentation	CBEC-7204	Nanoelectronics

ACADEMIC AFFAIRS

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	FOURTI	I YEA	R(V	VIII S	EM	IESTI	ER)							
Course Code	Name of the Course		V 575,0 350	ximur heory			Practical			C	ach onta	ct		
		Course Mode (B/C/E)	End Sem	MST/Attendance Assignment	Internal Exam	End Sem	Lab Performance/ Attendance/Quiz	Internal Exam	Total Marks	L	Т	Р	Total Credits	Component (F/V)
CBEC-801	Project Internship and Viva- Voce	С	-	-	-	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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FACULTY OF ENGINEERING
PEOPLE'S UNIVERSITY, BHOPA

PEOPLE'S UNIVERSITY, PURSON

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ACADEMIC AFFAIRS
PEOPLE'S UNIVERSITY, BHOPAL (M.

(One hour Lecture (L) refers 1 credit, One hour Tutorial (T) refer 1 credit, One hour Practical (P) refers 0.5 credits.) B- Basic Course, C- Core 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.