



Course Details and Scheme of Examination

(w.e.f. from Academic Session 2021-22 onwards)

Programme: Bachelor of Technology

Branch: Computer Science and 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						
CBCS-301	Data Communication	C	70	30	-	-	-	-	100	3	1	0	04	F
CBCS-302	Computer Architecture	C	70	30	-	-	-	-	100	3	1	0	04	F
CBCS-303	Data Structure	C	70	30	-	35	15	-	150	3	1	2	05	F
CBCS-304	Digital Circuits and Systems	C	70	30	-	35	15	-	150	3	1	2	05	F
CBCS-305	Internet Technology	E	35	15	-	35	15	-	100	1	0	2	02	V
CBCS-306	Programming with C++	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: Students 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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PEOPLE'S UNIVERSITY, BHOPAL

(One-hour Lecture (L) refers 1 credit, One-hour Tutorial (T) refers 1 credit, One-hour Practical (P) refers 0.5 credits.) B- Basic Course, E- Elective Course, F- Fixed, V- Variable, L- Lecture, P- Practical, T- Tutorials, MST: Mid Semester Test (at least twice per Semester). For examination and program details visit www.pu.ac.in or www.pu.edu.in. For B.Tech. ordinance is applicable.

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: Computer Science and 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
RCS-402	Data Base Management System	C	70	30	-	35	15	-	150	3	0	2	04	F
CBCS-403	Analysis and Design of Algorithm	C	70	30	-	35	15	-	150	3	1	2	05	F
CBCS-404	Object Oriented Programming with Java	C	70	30	-	35	15	-	150	3	1	2	05	F
CBCS-405	Unix and Shell Programming	C	35	15	-	35	15	-	100	2	0	2	03	F
CBCS-406	Dot Net Technology 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	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 the fourth semester. Its evaluation/credit to be added in FIFTH SEMESTER											

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

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Course Details and Scheme of Examination

(w.e.f. from Academic Session 2021-22 onwards)

Programme: Bachelor of Technology

Branch: Computer Science And 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
CBCS-502	Discrete Structure	C	70	30	-	-	-	-	100	3	0	0	03	F
CBCS-503	Software Engineering	C	70	30	-	-	-	-	100	3	1	0	04	F
CBCS-504	Operating System	C	70	30	-	35	15	-	150	3	1	2	05	F
CBCS-505	Computer Network	C	70	30	-	35	15	-	150	3	1	2	05	F
CBCS-506	Cloud Computing	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
CBCS-509	Web Designing Lab	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: Students 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 Department Elective Course	Course Code	Name of Department Elective Course
CBTE-5101	Gender Equality	CBTE-5103	Ethical Hacking and Cyber Security
CBTE-5102	Human Health & Nutrition	CBTE-5104	Industrial Safety and Environment


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PEOPLE'S UNIVERSITY, BHOPAL



Course Details and Scheme of Examination

(w.e.f. from Academic Session 2021-22 onwards)

**PEOPLE'S
UNIVERSITY**

Programme: Bachelor of Technology

Branch: Computer Science and 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						
Refer Table -II	Department Elective -I	E	70	30	-	-	-	-	100	3	0	0	03	F
CBCS-602	Automata Theory	C	70	30	-	-	-	-	100	3	1	0	04	F
CBCS-603	Computer Graphics and Multimedia	C	70	30	-	35	15	-	150	3	1	2	05	F
CBCS-604	Neural Network and Artificial Intelligence	C	70	30	-	35	15	-	150	3	1	2	05	F
CBCS-605	Programming With Python	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
CBCS-609	Programming Practice Lab	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: Students must earn 24 credits to complete this semester.

Table -II

Course Code	Name of Department Elective Course	Course Code	Name of Department Elective Course
CBCS-6101	Information Management System	CBCS-6103	E-Commerce
CBCS-6102	Mobile Computing	CBCS-6104	Microprocessor

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Course Details and Scheme of Examination

(w.e.f. from Academic Session 2021-22 onwards)

Programme: Bachelor of Technology

Branch: Computer Science and 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
CBCS-703	Data Mining and Ware Housing	C	70	30	-	-	-	-	100	3	0	0	03	F
CBCS-704	Compiler Design	C	70	30	-	35	15	-	150	3	0	2	04	F
CBCS-705	Machine Learning With Python	C	70	30	-	35	15	-	150	3	1	2	05	F
CBCS-706	Programming With PHP	C	70	30	-	-	-	-	100	3	1	0	04	F
CBCS-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)-II	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: Students 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
CBCS-7101	Human Computer Interaction	CBCS-7201	Parallel Algorithm
CBCS-7102	Distributed System	CBCS-7202	Digital Image processing
CBCS-7103	Wireless Network	CBCS-7203	Block Chain Programming
CBCS-7104	Embedded System	CBCS-7204	Data Analytics

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BOARD OF STUDIES (ENGINEERING)

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Course Details and Scheme of Examination

(w.e.f. from Academic Session 2021-22 onwards)

Programme: Bachelor of Technology

Branch: Computer Science and 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						
BCS-801	Project Internship and Viva-Voce	C	-	-	-	300	200	-	500	0	0	20	10	F
Total			-	-	-	300	200	-	500	0	0	20	10	

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

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