|| विद्या धनम् सर्वधन: प्रधानम् ||

S. B. JAIN INSTITUTE OF TECHNOLOGY, MANAGEMENT & RESEARCH, NAGPUR

(An Autonomous Institute, Affiliated to RTMNU, Nagpur)

DEPARTMENT OF COMPUTER APPLICATIONS

BOARD OF STUDIES

S. B. JAIN INSTITUTE OF TECHNOLOGY, MANAGEMENT & RESEARCH, NAGPUR

(An Autonomous Institute. Affiliated to RTMNU. Nagpur)

DEPARTMENT OF COMPUTER APPLICATIONS

Vision: Develop creative, competent, and socially responsible computing professionals empowered with a strong foundation in computer applications, driven by innovation, ethics, and real-world problem solving

BACHELOR OF COMPUTER APPLICATIONS HONOURS WITH RESEARCH

W.E.F. Batch admitted in Academic Year 2025-26 & Onwards
(NEP COMPLIANT)

4th Year
Semester - VII

Scheme of Teaching & Examination of VII Semester Bachelor of Computer Applications (BCA)										
Sr. No.	Course Code	Course Title	Hours per week			Credits	Maximum Marks			ESE
			L	T	P		Continuous Evaluation	End Sem Exam	Total	Duration (Hrs.)
1	PCCBC701T	Cloud Computing	3	0	0	3	40	60	100	3
2	PCCBC701P	Cloud Computing Lab	0	0	2	1	50	-	50	-
3	PCCBC702T	Design and Analysis of Algorithms	2	0	0	2	20	30	50	2
4	PCCBC702P	Design and Analysis of Algorithms Lab	0	0	2	1	50	-	50	-
5	PCCBC703T	Software Testing	2	0	0	2	20	30	50	2
6	PCCBC703P	Software Testing Lab	0	0	2	1	50	-	50	-
7	PCCBC706T	Social Network Analysis	2	0	0	2	20	30	50	2
8	PEC-5	Program Elective-5	2	0	0	2	20	30	50	2
9	RMBC701T	Research Methodology	3	0	0	3	40	60	100	3
10	ELCBC701	Research Project-1	0	0	6	3	50	50	100	-
		TOTAL	14	0	12	20	360	290	650	

PROGRAM ELECTIVE-5

Sr. No.	Course Code	Course Name
1	PECBC701T	Business Intelligence & Analytics
2	PECBC702T	Data Mining & Warehousing
3	PECBC703T	Explainable AI
4	PECBC704T	AI System Design and Development

Revision	BoS Meeting	Date	W. E. F.
-	1st	18-07-2025	2025-26

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BACHELOR OF COMPUTER APPLICATIONS HONOURS WITH RESEARCH

W.E.F. Batch admitted in Academic Year 2025-26 & Onwards
(NEP COMPLIANT)

4th Year
Semester - VIII

Sr. No.	Course Code	Course Title	Hours per week			Credits	Maximum Marks			ESE
			L	T	P		Continuous Evaluation	End Sem Exam	Total	Duration (Hrs.)
1	PCCBC801T	Blockchain Technology	3	0	0	3	40	60	100	3
2	PCCBC801P	Blockchain Technology Lab	0	0	2	1	50	-	50	-
3	PCCBC805T	E-Commerce	3	0	0	3	40	60	100	3
4	PEC-6	Program Elective-6	3	1	0	4	40	60	100	3
5	ELCBC802	Research Project-2	0	0	18	9	150	150	300	-
		TOTAL	9	1	20	20	320	330	650	

Scheme of Teaching & Examination of VIII Semester Bachelor of Computer Applications (BCA)

PROGRAM ELECTIVE-6

Sr. No.	Course Code	Course Name
1	PECBC801T	Advanced Data Visualization
2	PECBC802T	Data Security & Privacy
3	PECBC803T	Speech Recognition
4	PECBC804T	Augmented Reality & Virtual Reality

Revision	BoS Meeting	Date	W. E. F.
-	1st	18-07-2025	2025-26