



REVISION OF COURSE

MANUALS/STRUCTURE AND MATERIALS

Details of Prior and Post Syllabus revision Bachelor of Computer Applications (BCA) (Honours / Honours with Research) Programme (2024-25)

Bachelor of Computer Applications (BCA) (Honours / Honours with Research) Programme

Programme started in	2013-2014					
	Year	Yes	No	NA	Revised Summary (attached/not attached/NA)	BOS (attached/not attached/NA)
Revised in	2024	Yes			Attached	

Overall content Revision –70%

Bachelor of Computer Applications (Honours / Honours with Research)			
Revision summary for change between 2023 and 2024			
S. No.	Syllabus - prior to revision	Syllabus - post revision	Approximate % of revision
1.	The curriculum was structured for a conventional 3-year UG programme.	Aligned with NEP 2020: Includes 4-year Honours / Honours with Research, with multiple entry-exit options, research and internship.	100%
2.	Total Credits: 124	Total Credits: 125 (3-year exit), 165 (4-year Honours/Research)	25%
3.	Traditional courses (C/C++,	Along with the traditional and fundamental courses, the revised BCA is updated with AI,	50%

	DBMS, Networking, etc.)	Cloud, Drone Tech, R, Salesforce, and Ethical Hacking.	
4.	No Minor streams.	Introduced structured Minor Streams in Data Science, AI, Cybersecurity.	100%
5.	Multidisciplinary electives limited to basic management courses.	Expanded to include Commerce and management, Humanities and Social Sciences, and Mathematics, Statistics and Computer Applications.	60%
6.	Skill enhancement courses were not specialized.	Introduced industry-relevant SECs: AWS, Salesforce, Unix/Linux, R Programming.	100%
7.	No provision of research-oriented courses.	<ul style="list-style-type: none"> Provision of students securing $\geq 75\%$ marks in first 6 semesters can opt for Research Track. Courses include: BR472T /Scientific Writing Skills, BR473T /Research Ethics, BR474P /Research Project / Dissertation Phase-I BR482P /Research Project / Dissertation Phase-II 	100% changed
8.	No provision for Internship/Industry Training.	<ul style="list-style-type: none"> Internship/Certification added in Semester V. 	100%
9.	No Research Track.	<ul style="list-style-type: none"> Honours with Research added for students scoring $\geq 75\%$ in Sem I–VI, includes ethics, methodology, R, dissertation. 	100%
10.	Major Project in Sem VI only.	<ul style="list-style-type: none"> Multiple opportunities for developing minor and major projects 	60%
11.	No exit pathways.	<ul style="list-style-type: none"> Includes Certificate (1yr), Diploma (2yr), Degree (3yr), Honours/Research (4yr). 	100%