

BCA St. Joseph's Management College

Approved by A.I.C.T.E. (New Delhi) & Affiliated to B.R.A.B.U.(Muzaffarpur)
Panapur, Kariyat, Bangra, Muzaffarpur, Bihar (843109) | Website: www.sjmcm.in

Programme Structure

First semester	Second semester	Third semester	Fourth semester	Fifth semester	Sixth semester
Fundamentals of IT and Programming	Operating systems	Computer Oriented Numerical Methods	Java Programming	Web Design	Project 1
Programming in C	Data structures and Algorithms	DBMS	System Software	Visual Programming	Elective 2
Basic Mathematics	Object oriented programming - C++	Computer Organisation	Principles of Financial Accounting and Management	Software Engineering	Elective 3
Understanding PC and Troubleshooting	Digital Logic	Basics of Data Communication	Practical - Java	Practical - Visual Programming	Mobile Application Development
Practical - Programming in C	Communication skills and personality Development	Practical - DBMS	Practical - System Soft.	Practical - Web Design	Practical - Mobile Application Development
	Practical - Data		Computer Networking	Elective 1	
				Python Programming	
				Practical - Python Programming	

- Fundamentals of IT and Programming and all Practical courses carry 2 credits each
- Project carries 10 credits
- All other courses (including subjects in areas of specialisation) carry 4 credits each

Choose your electives from the following options

Elective Elective (Choose One)	Fifth Semester Elective 1	Sixth Semester Elective 2	Sixth Semester Elective 3
	Compiler Design, Graphics and Multimedia, eCommerce	Advanced Web Design, Open Source System, Cloud Computing	Knowledge Management, Software Project Management, Supply Chain Management

Note : Every student shall undertake project work either at their place of work or elsewhere, in the chosen area of elective to complete the programme. The project work will commence from the fifth semester and has to be completed by the end of the sixth semester.