

Track	Department Elective 1			Department Elective 2			Department Elective 3			Department Elective 4			Department Elective 5			Department Elective 6			Department Elective 7			Department Elective 8		
	Course Code	Course Name	Course Credit (L,T,P)	Course Code	Course Name	Course Credit (L,T,P)	Course Code	Course Name	Course Credit (L,T,P)	Course Code	Course Name	Course Credit (L,T,P)	Course Code	Course Name	Course Credit (L,T,P)	Course Code	Course Name	Course Credit (L,T,P)	Course Code	Course Name	Course Credit (L,T,P)	Course Code	Course Name	Course Credit (L,T,P)
Competitive Programming	BCO 081B	Programming with Python	(3,0,1)	BCO 180A	Design Thinking	(3,0,0)	BCO 037B	Advance Programming in Java	(3,0,1)	BCO 181A	Advance Data Structure	(3,0,0)	BCO 182A	Web designing and JavaScript	(3,0,1)	BCO 183A	XML Programming	(3,0,1)	BCO 184A	Framework of object oriented Programming (Hibernate)	(3,0,0)	BCO 185A	Programming in NodeJS, Struct	(3,0,1)
Information Security	BCO 081B	Programming with Python	(3,0,1)	BCO 186A	Principle of Cryptography	(3,0,0)	BCO 187A	Information Security	(3,0,1)	BCO 188A	Cyber Forensic & investigation	(3,0,0)	BCO 189A	Web and Android Security	(3,0,1)	BCO 190A	Ethical Hacking	(3,0,1)	BCO 191A	AI in Cyber Security	(3,0,0)	BCO 192A	Block chain and Cryptocurr ency technology	(3,0,1)
AI & ML	BCO 081B	Programming with Python	(3,0,1)	BCO 019A	Artificial Intelligence	(3,0,0)	BCO 086B	Machine Learning	(3,0,1)	BCO 193A	Data Mining and Predictive Modelling	(3,0,0)	BCO 194A	Neural networks	(3,0,1)	BCO 195A	Pattern recognition	(3,0,1)	BCO 196A	Deep Learning - principle & practice	(3,0,0)	BCO 197A	Application of AI in Industry	(3,0,1)
Cloud Computing	BCO 081B	Programming with Python	(3,0,1)	BCO 198A	Introduction to Cloud Computing	(3,0,0)	BCO 199A	Introduction to IT Infrastructure	(3,0,1)	BCO 200A	Cloud Architecture	(3,0,0)	BCO 201A	Cloud Application Developm	(3,0,0)	BCO 202A	Cloud Computing Tools and Techniques	(3,0,1)	BCO 203A	Cloud security & Management	(3,0,0)	BCO 101A	Salesforce - Technical Aspirants	(3,0,1)
Robotic Process Automation	BCO 204A	Programming in C# with .NET	(3,0,1)	BCO 019A	Artificial Intelligence	(3,0,0)	BCO 205A	Foundation of Machine learning	(3,0,1)	BCO 092A	Robotic Process Automation	(3,0,0)	BCO 206A	UIPath Studio	(3,0,1)	BCO 209A	RPA Case Study (BOT Create )	(3,0,1)	BCO 208A	Automation Anywhere	(3,0,0)			
Data Analytics	BCO 081B	Programming with Python/R	(3,0,1)	BCO 019A	Artificial Intelligence	(3,0,0)	BCO 210A	Foundation of data Science & Machine learning	(3,0,1)	BCO 211A	Data Analytics	(3,0,0)	BCO 070B	Big Data Analytics with R	(3,0,1)	BCO 212A	Data mining and Predictive Modelling	(3,0,1)	BCO 213A	Data Privacy nad Security	(3,0,0)	BCO 214A	Streaming Data Analytics	(3,0,1)
Web and App Development	BCO 215A	Mobile App front end Development	(3,0,1)	BCO 216A	Software Reliability and testing	(3,0,0)	BCO 217A	Mobile App Backend (No SQL)Development	(3,0,1)	BCO 218A	Mobile Analytics	(3,0,0)	BCO 219A	Mobile App Development using Android	(3,0,0)	BCO 220A	Mobile App Development using ios	(3,0,1)	BCO 221A	Security in Mobile App Development	(3,0,0)	BCO 222A	Web development using Wordpress	(3,0,1)
Internet of things (IOT)	BCO 223A	Open Source Programming for IOT(Program ming in SWIFT/RUST	(3,0,1)	BCO 90B	Internet of Things	(3,0,0)	BCO 224A	Sensors and Actuator Devices	(3,0,1)	BCO 225A	Real Time Operating System	(3,0,0)	BCO 226A	Wireless Sensor Networks &IOT for Industry	(3,0,0)	BCO 227A	IOT for Industry	(3,0,1)	BCO 228A	Analytics for IOT	(3,0,0)	BCO 229A	Smart City Deployme nt using IOT	(3,0,1)