

**BCA Internet of Things
Batch 2025 - 26**

Semester	Course Type	Course Title	Credits
I	DSC	C Programming	3
I	DSC	C Programming Practical	1
I	DSC	Computer Organization and Design	3
I	DSC	Computer Organization and Design Practical	1
I	DSC	Foundation of Discrete Mathematics	3
I	SEC	Digital Engineering	3
II	DSC	Data Structures	3
II	DSC	Data Structures Practical	1
II	DSC	Basic Electronics and Communication Systems	3
II	DSC	Basic Electronics and Communication Systems Practical	1
II	DSC	Fundamentals of IoT and Applications	3
II	DSC -CC	Electronics for IoT	2
II	MDC	Multidisciplinary Course	3
II	SEC	Web Development Workflow	3
III	DSC	Oops with Java Programming	3
III	DSC	Oops with Java Programming Practical	1
III	DSC	Sensors and Interface Modules	3
III	DSC	Sensors and Interface Modules Practical	1
III	DSC	Data Communication and Networks	3
III	SEC	NPTEL	3
III	MDC	Multidisciplinary Course	3
III	VAC	Value-Added Course (VAC)	2
IV	DSC	Python Programming	3
IV	DSC	Python Programming Practical	1
IV	DSC	IoT Architecture	3
IV	DSC	IoT Architecture Practical	1
IV	DSC	Principles of Operating System and Linux Concepts [BCA General]	3
IV		Domain Specific certificate	2
IV	DSC-MP	Minor Project-I	2
IV	SEC	Domain Specific certificate	3
IV	MDC	Multidisciplinary Course	3
IV	VAC	Value-Added Course (VAC)	2
V	DSC	Industrial Internet of Things	4
V	DSC	Industrial Internet of Things Practical	2
V	DSC	Relational Database Management System	4
V	DSC	Relational Database Management System Practical	2
V	DSC	Research Methodology	4
V	DSC	Cloud Computing Infrastructure	4
V	DSC MP	Minor Project-II	2
V		Internship	2
VI	DSC	Machine Learning	4

Semester	Course Type	Course Title	Credits
VI	DSC	Machine Learning Practical (IoT Based Application)	2
VI	DSC	Edge IoT	4
VI	DSC	Edge IoT Practical	2
VI	DSC	Software Engineering	4
VI	DSC CC	Domain Specific certificate	2
VI	DSP	Project	4