



**ANNEXURE - I**

**LOYOLA ACADEMY DEGREE & PG COLLEGE  
B.S.C. COMPUTER SCIENCE AND INTERNET OF THINGS AY (2025-28)  
CONSOLIDATED SCHEME**

Year	Sem	Course-I	Course-II	Course-III	Course-IV	Course-V	Course-VI	Hours	Credits			
I	I	General English-I (3) (AECC-1)	Value Education and Personality Development (2) (AECC-2)	Fundamentals of IOT and Robotics (4+1) (DSC-1)	Matrices and Vector Calculus (4) (DSC-2)	Problem Solving and Programming in 'C' (4+1) (DSC-3)	Basic Electronics & Circuits (4+1) (DSC-4)	30	24	AECC=2 DSC=4		
		General English-II (3) (AECC-3)	Indian Heritage and Culture (2) (AECC-4)	Data Structures with C (4+1) (DSC-5)	Discrete Mathematics (4) (DSC-6)	Digital Logic Design (4+1) (DSC-7)	Computer Organization (4) (DSC-8)		23	AECC=2 DSC=4		
	II	Environmental Studies and Gender Sensitization (3) (AECC-5)	Introduction to IOT Raspberry Pi Pico W (2+1) GE-1	Computer Networks (2) (SEC-1)	Probability and Statistics (4) (DSC-9)	Sensors and Actuators (4+1) (DSC-10)	Python Programming (4+1) (DSC-11)	Internship (2) (SEC-2)	30	24	AECC=1 GE=1 SEC=1 DSC=3	
	III	Java Programming (4+1) (DSC-12)	Distributed Computing (2) (SEC-3)	Data Analytics for IOT (4) (DSC-13)	Mobile Application Development for IOT (4+1) (DSC-14)	Artificial Intelligence (4) (DSC-15)	Microprocessor and Microcontroller (4+1) (DSC-16)		30	25	SEC-1 DSC=5	
	IV	Machine Learning (4+1) (DSC-17)	Embedded System Design (4) (DSC-18)	IOT Cloud Security (4) (DSC-19)	Deep Learning/Big Data (4) (DSE-1)	IOT Architecture and Its Protocol/Adhoc Wireless Sensor Networks (4) (DSE-2)	Data Base Management System (4+1) (DSC-20)		30	26	DSE=2 DSC=4	
	V	Natural Language Processing / Parallel Programming (4) (DSE-3)	IOT enabled Web Technology/ Applications of IOT (4) (DSE-4)	Strategies In Industry 5.0 (4+1) (DSC-21)	MAJOR PROJECT (6) (Project Report) (DSE-5)							
VI												
<b>Total</b>								180	141			

**Legend:**  
 Ability Enhancement Compulsory Course (AECC) : 05  
 Generic Elective (GE) : 01  
 Skill Enhancement Course (SEC) : 03  
 Discipline Specific Core : 21  
 Discipline-Specific Elective (DSE) : 05  
 Project Report : 01

**6 B.Sc. (Computer Science and Internet of Things) Academic Year 2025-26 (CBCS)**

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