



COURSE OUTCOMES (COs)

Semester: VIII

Course Name: Compiler Design		Course Code: CD 801
Students will be able to:		
CO1:	Ability to analyze source code using Finite Automata to generate tokens and construct top-down/bottom-up parsers.	
CO2:	Develop Syntax-Directed Translation (SDT) schemes and intermediate representations (e.g., three-address code and syntax trees).	
CO3:	Understand memory allocation strategies, symbol table construction, and parameter-passing mechanisms	
CO4:	Analyze and apply machine-independent and machine-dependent optimization techniques (e.g., peephole optimization) to improve execution performance	
CO5:	Formulate target machine code from intermediate representations while managing register allocation effectively	

Course Name: Project Management		Course Code: 802(B)
Students will be able to:		
CO1:	Understand the fundamental principles, lifecycles, and different phases of a project	
CO2:	Gain skills to prepare comprehensive project reports covering technical, environmental, market, and managerial appraisals	
CO3:	Learn how to estimate project costs, determine working capital requirements, evaluate risk, and analyze project budgets	
CO4:	Develop the professional, ethical, and interpersonal skills necessary to function effectively as a project manager or team leader	
CO5:	Develop the professional, ethical, and interpersonal skills necessary to function effectively as a project manager or team leader	



**BANSAL INSTITUTE OF RESEARCH & TECHNOLOGY,
BHOPAL
Kokta Anand Nagar, Bhopal**



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING -DATA SCIENCE

Course Name : Internet of Things		Course Code: CD 803 (C)
Students will be able to:		
CO1:	Understand the foundational architecture, characteristics, and enabling technologies of IoT systems	
CO2:	Identify and configure network topologies, wireless standards, and application protocols (e.g., MQTT, HTTP, CoAP)	
CO3:	Design and develop functional prototypes using microcontrollers and single-board computers like Arduino and Raspberry Pi.	
CO4:	Collect, stream, and analyze real-time telemetry data to control remote devices and make intelligent decisions	
CO5:	Analyze security threats, privacy risks, and propose robust solutions for IoT ecosystems	

**Approved By:-
Head of Department**