

**Department of Computer Science and Engineering**

Academic Year 2024-25

Semester- Even

Structure of Course:

Class	TY B.Tech. Sem. VI
Course Code and Course Title	Competitive Programming Laboratory BTCOL606
Prerequisite/s	Programming Concept
Teaching Scheme: Lecture/Tutorial/Practical	01/00/02
Credits	1
Evaluation Scheme: CA/ESE	60/40

Course Outcomes:

Course Outcomes (COs): Upon successful completion of this course, the student will be able to:		Blooms Level
BTCOL606_1	Learn to implement various Programming Challenges by Choosing different Programming Languages	L3
BTCOL606_2	Implement various searching and sorting Algorithms, Arithmetic and Algebra technique to solve real-world problems	L3

Mapping of COs with POs and PSOs:

Course Outcomes (COs)	Program Outcomes (POs)												PSO 1	PSO 2	
	1	2	3	4	5	6	7	8	9	10	11	12			
BTCOL606_1	3	3	2											2	1
BTCOL606_2	2	3	3											3	2
Total	5	6	5											5	3
Average	2.5	3	2.5											2.5	1.5

CO Attainment Targets:

CO	306 1	306 2
Previous Attainment	3.0	3.0
Target for CAY	3.0	3.0

Prepared by
Course CoordinatorVerified by
Academic CoordinatorApproved by
HOD CSE**Vision of the Department**

To lead in technical, quality education, innovation, research for development of sustainable & inclusive technology for the society.

Mission of the Department**M1:** To create ambience of academic excellence through state of art infrastructure.**M2:** To create student-centric pedagogy that will lead to employability.**M3:** To create a software engineering professional with knowledge of multidisciplinary fields, can provide innovative products & service to society.**M4:** To train and motivate the students for **lifelong learning**, employability & entrepreneurship.