

Course Code	Course Name	Course Type	Cd	L	T	P	Marks		
							Internal	Final Exam	Total
BCAMJ-406	Database Lab	Major	1	0	0	4	25	-	25

Course Outcomes

At the end of the course the student will be able to	
CO1	Create, modify, and manage database structures and data.
CO2	Create tables with constraints to enforce data rules and relationships.
CO3	Group data and apply clauses to filter aggregated results.
CO4	Create SQL views to simplify data management and enhance query efficiency.
CO5	Efficiently query and combine data from multiple tables.

Lab Activities for Database Lab

S. No.	Activities
1	To execute the DDL commands <ul style="list-style-type: none"> • CREATE • ALTER • DROP • RENAME • TRUNCATE
2	To execute DML commands <ul style="list-style-type: none"> • INSERT • UPDATE • DELETE • SELECT
3	Creating tables with constraints: <ul style="list-style-type: none"> • NOT NULL • UNIQUE • PRIMARY KEY • FOREIGN KEY
4	Implementation of Number function-abs(),min(),max(),ceiling(),floor(),round(),mod(),pow()
5	Implementation of Aggregate Function-count(),sum(),avg(),min(),max()
6	Implementation of Conversion Function-cast(),convert(),TO_CHAR(),TO_DATE(),TO_NUMBER()
7	Implementation of Character Function-length(),INITCAP(),LOWER(),UPPER(),TRIM(),CONCAT()
8	Implementation of Date Function
9	Implementation of Group By & having clause
10	Implementation of Order by clause