

NAAC 'B+' Accredited

**Dr. Babasaheb Ambedkar Marathwada University**

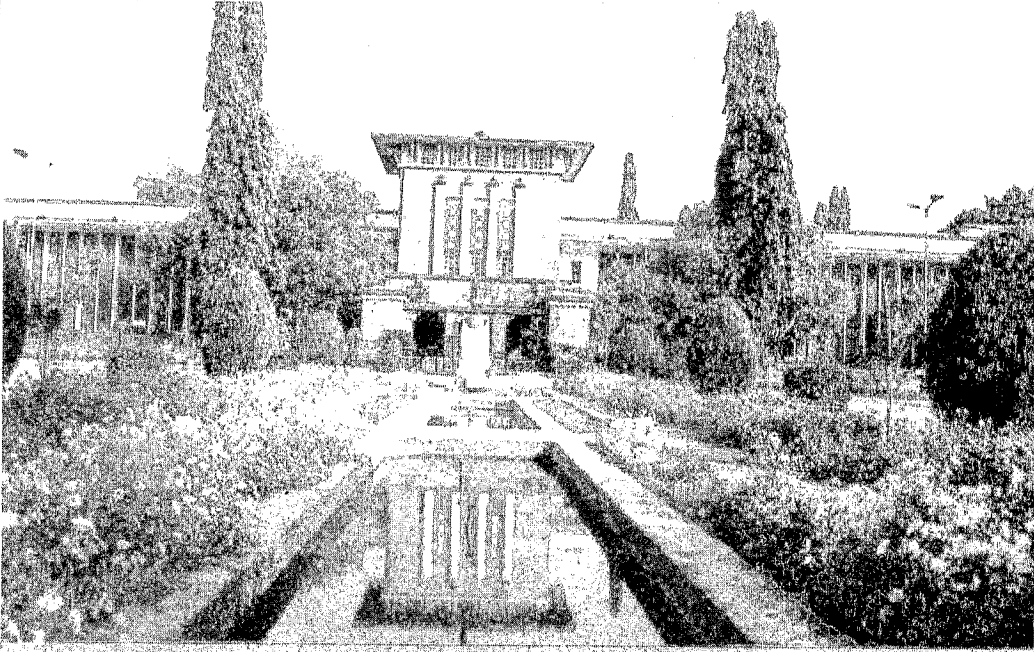
Aurangabad-431004



## **SYLLABUS**

**B.C.A(Science)**

**Three Year Integrated Semester Course**



**हे ज्ञानिची पवित्रता | ज्ञानीचि आथि ||**

**Dr. Babasaheb Ambedkar Marathwada University**  
Aurangabad-431004.

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Website : [www.bamu.net](http://www.bamu.net), <http://bamua.digitaluniversity.ac.in>

Sr. No.	Paper Number	Name of the Paper Titles	Scheme of Teaching	Scheme of Evaluation(Marks)		
			Theory / Practical (Lect /week)	Theory / Practical ( Marks )	Exam Duration ( in hrs.)	Total Marks
<b>III Semeste</b>						
1	CA301-T	Database Management System	3	50	2	50
2	CA302-T	Mobile Maintenance-I	3	50	2	50
3	CA303-T	Principal of Management	3	50	2	50
4	CA304-T	Programming in CPP	3	50	2	50
5	CA305-T	Personality Development	3	50	2	50
6	CA306-T	Statistical Method	3	50	2	50
7	CA307-P	Programming in C++	4	100	2	100
8		DBMS	4		2	
9	CA308-P	Mobile Maintenance-I	4	100	2	100
10		Statistical Method using Excel	4		2	

<b>IV Semester</b>						
1	CA401-T	Advance DBMS	3	50	2	50
2	CA402-T	Mobile Maintenance-II	3	50	2	50
3	CA403-T	Software Project Management	3	50	2	50
4	CA404-T	Core Java	3	50	2	50
5	CA405-T	Aptitude and Logical Reasoning	3	50	2	50
6	CA406-T	Linear Programming Problem	3	50	2	50
7	CA407-P	Programming in Java	4	100	2	100
8		Adv. DBMS using SQL	4		2	
9	CA408-P	Mobile Maintenance-II	4	100	2	100
10		Mini Project	4		2	

5.

**Course: B.C.A.(Sci.)**

**Semester : IV.**

**Topic: Practical Based on Java Programming**

**Paper No.: CA407P (A)**

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Minimum 10 Practicals to be performed as per the guidelines of teaching Faculty depending upon all theory units of concerned subject.

**Course: B.C.A.(Sci.)**

**Semester : IV**

**Topic: Practical Based on Adv. DBMS**

**Paper No.: CA407P (B)**

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- 1) Using SQL commands to create the tables and views of five schemas for any organization like: College, school, hospital, travel agency, company, bank etc.
- 2) Perform Data Definition Language Commands
- 3) Perform Data Manipulation Language Commands
- 4) Perform Minimum 10 Queries on each of the above five schemas.

**Course: B.C.A.(Sci.)**

**Semester : IV**

**Topic: Practical Based on Mobile Repairing**

**Paper No.: CA408P(A)**

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Minimum 10 Practicals to be performed as per the guidelines of teaching Faculty depending upon all theory units of concerned subject.

**Course: B.C.A.(Sci.)**

**Semester : IV**

**Topic: Mini Project Using Web Technology**

**Paper No.: CA408P(B)**

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**Note:** A mini project having minimum 5 forms, using Web Technology as a front end and any DBMS as backend. Team size maximum 2 students.

**Minimum contents of Project Report**

1. Introduction
2. Problem definition.
3. System Requirement Specification
  - 3.1. User Interview
  - 3.2. Current System flow diagram
  - 3.3. Proposed System.
4. E-R Diagram
5. DFD
6. Sample Screens