



MAGANBHAI ADENWALA MAHAGUJARAT UNIVERSITY

FACULTY OF INFORMATION SCIENCE AND MANAGEMENT

INFORMATION BOOKLET

For

BACHELOR OF COMPUTER APPLICATIONS (BCA)



Academic Year 2023-24

College Road, Nadiad – 387001. Dist. Kheda. (Gujarat)

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Bachelor of Computer Applications (BCA)

At

Faculty of Information Science and Management

(From Academic Year 2023-24 onwards)

The Mam University

With vision to establish & develop world class self-reliant institutes for imparting Medical, Paramedical, Technical, Management, Science and all allied education at under-graduate, post-graduate & doctoral levels of the global competence, Mahagujarat Medical Society Nadiad has established Maganbhai Adenwala Mahagujarat University – **MAM University** under Gujrat State Private University Act -2022 (Amendment Act No 7 of 2022) from 1st June 2022.

Presently the MAM University has couple of Faculties like Faculty of Ayurveda – J S Ayurveda Mahavidhyalay, Faculty of Nursing- Dinsha Patel College of Nursing, Faculty of Information Science & Management & Faculty of Paramedical Science. At present the University offers Under Graduate, Post graduate, Ph.D., Fellowship Programmes, Certificate courses, PG Diploma and Diploma Courses at various Faculties.

Faculty of Information Science & Management

MAM University has added recently one more feather in the form of Faculty of Information Science & Management. It offers Bachelor of Computer Applications (BCA), various PG Diploma, Fellowship Programmes and Certificate Programmes in the field of Management & Information Science which caters the need of present era.

Bachelor of Computer Applications (BCA)

Nature of prospective target group of learners

Students, who passed 10+2 or equivalent, shall be eligible to enrol for B.C.A. programme. Basic level of understanding and general aptitude in the information technology will entitle the students to pursue and excel in B.C.A. The programme is structured to gradually improve the capability of the students in the field of computers and information technology. It also attracts young minds to the potentially rich & employable field of computer applications.



B.C.A programme can be able to spread more literacy in the society and reaching the unreached to upgrade their education skills. Programme syllabus is designed to enlighten on the basics of computer organization, programming, Data Base and Networking with ease of Self-study mode. The course needs only reasonable reading and grasping aptitude of students, to take up, to study and to groom as computer professional.

The primary emphasis of the project work is to understand and gain the knowledge of the principles of software engineering practices, and develops good understanding of software development life cycle [SDLC].

Instructional Design

- ❖ The Curriculum and the Syllabus for Bachelor of Computer Applications Degree Programme has designed by covering all the aspects of latest technology in Computer Science.
- ❖ The duration of the BCA Programme is three years.
- ❖ The Bachelor of Computer Applications Degree Programme is offered by MAM University at **Faculty of Information Science and Management** through Conventional Mode.
- ❖ The Faculty Members at the University and the faculties approved as External experts will deliver the Bachelor of Computer Application Degree Programme.
- ❖ The credits systems suggested as per MAM University have been assigned to Bachelor of Computer Applications Degree Programme. The total number of credit assigned for the Programme is 112.
- ❖ The medium of teaching for Bachelor of Computer Applications Degree Programme shall be in English.
- ❖ The Self Learning Materials in the form of print, e-content and audio/video materials wherever required has also been developed for the Programme.

Procedure for admissions, curriculum transaction and evaluation

Eligibility & Admission Process

The eligibility for Admission to the Bachelor of Computer Application Degree Programme as follows.

- ❖ A candidate must have passed H.S.C. (General/ Science/ Vocational) Examination of Gujarat State or an equivalent examination from recognized Board with 40% of marks in aggregate and English as one of the subjects as a regular candidate.
- ❖ A candidate who has passed an equivalent examination from any other examining body will have to produce eligibility certificate.



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- ❖ The eligibility for Admission to the Bachelor of Computer Application – Lateral Entry degree programme is any Diploma from recognized Polytechnic College.
- ❖ The Programme Fee is Rs. 25,000/- per year, plus Registration and other Charges.
- ❖ The admissions shall be carried out by MAM University through Online and Offline mode as per the Admission criteria of the University.
- ❖ A candidate desirous of admission is required to fill application form available on University Website - www.mamuni.edu.in or by offline at MAM University office by following the registration process.
- ❖ The registration fee of Rs. 50/- must be paid at time of submission the application form along with the required documents at MAM University office.
- ❖ Qualified candidates must bring all original documents and necessary fees when called for a spot admission.
- ❖ Admission to the programme will be confirmed only on paying the necessary fees.
- ❖ The Theory Counselling and the Practical Counselling (if any) will be conducted through the learned staff.

Maximum Intake

- ❖ At present the total intake has 100 seats.

Financial Assistance

SC/ST Scholarship available as per the norms of the State Government of Gujarat. Other Eligible candidates shall have the benefits of MYSY scheme of Government of Gujarat.

Policy of Programme delivery

The Academic Calendar for the Programme will be available for the learners to track down the chronological events/ happenings. The Counselling schedule will be uploaded at the MAM University website and the same will be intimated to the students through SMS.

The Programme has been designed with the help of professionals in the software industry. During the first two semesters students will learn fundamental concepts in computer science. In semesters 3 & 4, the students will be equipped with more specific skills in computer applications. In each of the last two semesters, student will be required to take up a mini project work.

Evaluation System

- ❖ Examination to Bachelor Degree Programme in Computer Applications has been designed to maintain quality of standard.

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Internal Continuous Assessment

- ❖ For the assignment, students may be permitted to write with the help of books/materials for each Course, which will be evaluated by the Evaluators appointed by the University.
- ❖ Internal examination shall be carried out for each subject for two times per semester entitled as Sessional I and Sessional II examination of total 50 marks each, where student has to obtain 40% of total marks to pass for each subject.
- ❖ Attendance & discipline shall be must for every student and weightage of 20 Marks shall be given to these component.
- ❖ Assignment carries 30 marks, consists of Short Answer Questions (150 words) and Long Answer Questions (450 words) for each Course.

Section A	Three Short-Answer Questions [Each 5- Marks]	3 x 5 = 15 Marks
Section B	One Long Answer Question [10-Marks]	1 x 15 = 15 Marks
Total 30 Marks		

- ❖ Hence Total 100 marks for Internal Continuous Assessment per subject shall be considered comprising Sessional Examination (50 Marks), Attendance (20 Marks) and Assignment (30 Marks).

Theory Examination

- ❖ Theory shall be conducted by the University in the identified Examination Centres.
- ❖ Students shall normally be allowed to appear for theory examination after completing the Assignments.
- ❖ The Term -End Examination shall carry 70 Marks and the Question Paper has two Sections - A & B for the total duration of 3 hours.
- ❖ Minimum passing marks required shall be 40 % of total marks.
- ❖ 30% [30 Marks] of the Internal Continuous Assessment will be added directly into 70 marks of Term -End Examination (external marks) hence total theory marks per subject becomes 100.

Practical Examination

- ❖ The candidate shall be allowed to practical examination based on complete and satisfactory submission of record/Term work.
- ❖ The candidate shall be allowed to practical examination only if he /she has 75% attendance in theory and practical sessions.
- ❖ The Practical Examination shall carry 50 Marks and the for the total duration of 3 hours.



- ❖ Minimum passing marks required shall be 50% of total marks.

Mini Project

- ❖ The objective of the Mini Project is to enable the students to work in convenient groups of not more than four members on a project with a Latest Software.
- ❖ The mini project work will be given to the final year of BCA student.
- ❖ The project covers Study of existing system & System Requirements, Analysis, Design and Coding.
- ❖ The project should contain a) System Study b) System Analysis c) System Designing d) System Development e) Implementation and Testing etc., under the guidance of Project Supervisor (Guide).
- ❖ Student has to submit his/her Project Reports as per the guidelines given by MAM University.
- ❖ The mini project work will be evaluated for 100 marks. The 100 marks is awarded for Evaluation of the Project.
- ❖ The passing minimum in the mini project work is 50% of the total mark. i.e. the student should get minimum 50 marks out of 100 marks in the mini project evaluation.

Result and Classification of Successful Candidate

Candidates who pass all the courses prescribed as per the norms of the MAM University shall be eligible for awarding the BCA degree.

Class of degree shall be defined as follows.

- ❖ 75% and above (in first attempt only) will be placed in the ***First class with Distinction***.
- ❖ 60% and above in the aggregate of marks will be placed in the ***First Class***.
- ❖ 50% and above but below 60% in the aggregate will be placed in the ***Second Class***.
- ❖ All other successful candidates will be placed in the ***Third Class***.

Quality Assurance Mechanism & Programme Outcomes

- ❖ The Quality of the Bachelor Degree Programme in Computer Applications shall be maintained by adopting the curriculum suggested by the UGC.
- ❖ As per UGC guidelines the core courses, three elective courses, three subject specific elective courses, two practical courses are included in the Programme.
- ❖ As a part of Quality assurance, the curriculum for the Programme will be updated once in three years.
- ❖ Accordingly, the curriculum shall be updated and approved by Board of Studies of MAM University.
- ❖ Necessary steps are being taken to obtain the feedback from the students and the Academic Counsellors who are part of the Programme for effective delivery of the Programme.



Programme Outcomes

After successful completion of Bachelor of Computer Applications, a student shall be able to:

- ❖ Transform complex computing tasks into solvable parts of problem, investigate, develop solutions and propose integrated solutions using emerging technologies.
- ❖ Develop an effective helping relationship with people in order to ensure better results through combined knowledge, abilities and Communicate effectively with the society through effective oral documentations and presentations
- ❖ Identify, deep drive analyse, interpret and to formulate complex solutions using to various computing domains.
- ❖ Augment broad knowledge across various fields of computer in global technological development.
- ❖ Work as a member or leader in various teams and organize to excel for team progress in multidisciplinary situation.
- ❖ Improve technical and technological knowledge in diverse areas of computer and enhancing competencies, skills for high carrier orientation and entrepreneurship.