



MASTER OF COMPUTER APPLICATIONS

ADMISSION BROCHURE

2022



UNION CHRISTIAN COLLEGE
ALUVA

UNION CHRISTIAN COLLEGE

MOTTO OF THE COLLEGE

"THE TRUTH SHALL MAKE YOU FREE"

GOALS & OBJECTIVES

Academic Excellence
Social Justice
Character Building
Value Orientation

VISION

Serve the nation by facilitating and modeling wholesome and socially relevant education to actualize the values of humanism in accordance with the revelation in Jesus Christ.

MISSION OF THE COLLEGE

Union Christian College aims at the wholesome education of the young to bring out the best in each individual. It strives to produce intellectually competent, morally upright, spiritually inspired and the patriotic young men and women in the service of the country.

Union Christian College, Aluva is a premier educational institution in Kerala, South India, established in 1921 as a Centre of Higher Education and as a venture in inter denominational co-operation among the four major non-catholic Christian denomination of South India viz. the Malankara Orthodox Syrian Church, the Malankara Jacobite Syrian Church, the Church of South India and the Malankara Marthoma Syrian Church, with the founding fathers of the College being, the late Prof.K.C. Chacko, the late Prof.A.M.Varkey, the late Prof. C.P. Mathew and the late Prof. V.M. Ittyerah.

The idyllic campus, spread out in forty two acres, is located close to the banks of river periyar Aluva, hardly ten kilometers away from the Cochin International Airport, and four kilometers from Aluva Railway/Bus station, on the Aluva-Paravoor road. The location privileges the Campus with the refreshing ambiguity of urban proximity and rural ambience.

Ever since its inception, the College enjoyed recognition and admiration from men of eminence at the national and international level, as is evidenced by the visit of Tagore in 1922 and Mahatma Gandhi in 1925. Mahatma addressed the teachers and students of the College and wrote in the visitor's diary of the College that he was delighted with the ideal situation. The mango sapling planted by Gandhiji still graces the campus and remains a hallowed spot.

The College was accredited at the five star level in 1999 and recently reaccredited with with A grade in the IVth cycle by the National Assessment and Accreditation Council (NAAC). The college has grown into an outstanding institution in terms of teaching, learning and research with fifteen undergraduate programmes and twelve post graduate programmes covering almost all branches of arts and science. Eight departments are approved research centers of the Mahatma Gandhi University.



GOVERNANCE

The Union Christian College, Aluva is a Minority institution managed by the Union Christian College Association. The business of the College is managed by the Board of Directors consisting of the Manager (ex-officio), the Principal (ex-officio), the Bursar (ex-officio) and six other members from the Association.

The Standing Council is a committee consisting of twenty seven members constituted from all the members of the fellowship. The standing

Council is required to make all the required bye-laws necessary for the management of the affairs of the Association. Sixteen members of the Standing Council include Educationalists, Industrialists, Scientists, Judges, Advocates, Doctors and Spiritual Leaders. Eight members of the Standing Council represent the teaching staff. The Manager, Principal and the Bursar are ex-officio members.

THE COLLEGE GOVERNING BODY / BOARD OF DIRECTORS

Rev. Thomas John
Dr. Thara K Simon
Dr. M. I. Punnoose

Manager
Principal
Bursar

Dr. Sunil Abraham Thomas
Dr. Mini Alice
Dr. Paul Varghese

Dr. K. P. Ouseph
Prof. (Dr.) P. J. Philip
Dr. P. Thomas Mathew



Rev. Thomas John
Manager



Dr. Thara K Simon
Principal

Manager's Message

Started in 2001, the Master's program in Computer Application had made big strides, and now remains one of the best departments in Kerala. We have been able to develop top class infrastructure and also produce man/human power that would take up the challenges of the global demands in the field of computer application. While this is a program in the Self-financing stream, the Union Christian College is committed to remaining transparent and affordable to students from all socio-economic backgrounds.

Dr. POULOSE JACOB K

Emeritus Professor, Dept. of
Computer Science & Former
Vice Chancellor, CUSAT.

PROF. JYOTHI JOHN

Former Principal,
IHRD Colleges of Engineering.

MR. L.L. RAMACHANDRAN

GM- Information Systems, BPCIL, Kochi.

PROF. DR. SANTHOSH KUMAR

Professor, Dept. of Computer Science, CUSAT.

MR. RENJITH VISHWANATHAN

Chief Technology Officer - Infotec Labs Pvt.Ltd
and Raode Labs Pvt. Ltd & MCA Alumnus.

MR. SREENIVASAN DESIKAN

MD, Rolling Rocks Software Pvt.Ltd.

**THE MCA
ACADEMIC
ADVISORY
BOARD**

THE MCA MANAGEMENT COMMITTEE

Rev. Prof. T.Thomas John
(Manager)

Dr. Thara K Simon
(Principal)

Dr.M. I. Punnoose
(Bursar)

Dr. A. V.Alex
(Director MCA)

Ms. Divya P.B.
(HoD, MCA)



Dr. A. V.Alex
(Director MCA)



Ms.Divya P.B.
(HoD, MCA)

FACULTY PROFILE - TEACHING STAFF

Ms. Divya P. B
(Associate Professor & HoD)
MSc Mathematics, M. Phil

Dr.Shine K George
(Associate Professor) - MCA, PhD

Ms.Veena Jose
(Associate Professor) - MCA, M.Phil

Ms. Sherna Mohan
(Associate Professor) - MSc (CS), M.Phil

Ms. Lee Juliet George
(Assistant Professor) - MCA

Ms. Lince Rachel Varghese
(Assistant Professor) - MCA, M.Phil

Ms. Amrutha Karthikeyan
(Assistant Professor) - MSc (Physics), MCA

Ms. Sikha B Kadayath
(Assistant Professor) - MCA, M.Phil

Ms. Surabhi P.V
(Assistant Professor) - MSc (CS), M.Phil

Ms. Thanu Sudeesh
(Assistant Professor) - MCA

Ms. Ancy K Paul
(Assistant Professor) - MCA

Ms. Reenu Mariam Cherian
(Assistant Professor) - M Tech



MASTER OF COMPUTER APPLICATIONS

In 2001, the All India Council for Technical Education (AICTE) approved the proposal of the Association of the Union Christian College to start a new technical institution under the name and style of Union Christian College for conducting the three year Post Graduate Course of Master of Computer Applications with a sanctioned intake of 60 seats.

The institution is affiliated to the Mahatma Gandhi University, Kottayam. In the year 2014, the department also started the AICTE approved MCA Lateral Entry stream of two years with a sanctioned intake of 60 seats. The institution has highly competent faculty of permanent and visiting teachers. The regular academic programme is supplemented by seminars, workshops, self development & communication sessions and aptitude reinforcement modules. The academic transactions are rigorous and innovative.

The students and the faculty are kept exposed to the latest developments in the industry. The department places very high expectation on the students. The prime values of discipline, punctuality and commitment are emphasized. The objective is to produce quality software professionals who are also excellent human beings. A full fledged internet lab, advanced projection tools, smart class rooms and a well stocked and expanding library are some of the key features.

Course Details

MCA (2 Years)	2 Batches	120 Seats
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STUDENT FACILITIES

STATE OF THE ART INFRASTRUCTURAL FACILITIES

The department is housed at a self contained building with all modern amenities and spacious rooms. It has a well equipped conference room, a large seminar complex, a good library and state of the art computer lab.

WELL EQUIPPED COMPUTER LABS

The department has well equipped computer labs. There are 5 computer labs with 170 systems altogether, equipped with the latest technology servers. The labs are supported with uninterrupted power supply and adequate number of printers.

LIBRARY

The department has a well stocked library with national and international journals. The department subscribes to about 24 national journals, 13 international journals and 9 magazines. More than 10500 volumes of books are available in the library. The E journal N-List (6200+) is also accessible. The library is fully automated with KOHA Version 3.04.07 and it has membership in NDLI.

ONLINE LEARNING ENVIRONMENT THROUGH NPTEL & SWAYAM

HOSTEL FACILITIES

The college has 5 women hostels and 1 mens hostel.

MCA COURSE CURRICULUM

SEMESTER 1

- MCA CT 101 Mathematical & Statistical foundation for Computer Applications
- MCA CT 102 Digital Logic & Computer Organization
- MCA CT 103 Structured programming in C
- MCA CT 104 Software Engineering and Object oriented modelling
- MCA CT 105 Database technology and NoSql
- MCA CP 106 Database technology Lab(Mysql & MongoDB)
- MCA CP 107 Software Development Lab- I (C programming)
- MCA CT 108 Employability Skill Training-Phase 1

SEMESTER 2

- MCA CT 201 Optimization Techniques for Computer Applications
- MCA CT 202 Data structures and Algorithm Analysis
- MCA CT 203 Computer Networking with TCP/IP
- MCA CT 204 Data Science & Big data Analysis
- MCA CP 205 Object oriented Lab(Java Lab)
- MCA CP 206 Software development lab-II (PHP)
- MCA CP 207 Data structures Lab using C

SEMESTER 3

- MCA CT 301 Machine Learning Techniques
- MCA CT 302 Cyber Forensics
- MCA ET 303 Core Course (Elective)- Theory
- MCA ET 304 Core Course (Elective)- Theory
- MCA CT 305 Python Programming for Data Science
- MCA CP 306 Advance Operating System Lab using Linux
- MCA CP 307 Core Course -Mini Project
- MCA CT 308 Employability Skill Training-Phase 2

SEMESTER 4

- MCA CS 401 Core Course - Seminar
- MCA CP 402 Core Course - Main Project
- MCA CV 403 Core Course -Course Viva

The University has adopted a Credit Semester System for MCA programme with effect from Academic Year 2020-21. The number of credits earned by the students reflects their level of proficiency attained in the intended outcomes of the course.

The revised curriculum offers 26 courses with a total credit of 90. The MCA aspirants from streams other than BSc CS and BCA, has to undergo a Bridging Programme. A maximum 40 hours is allotted for the same. No credit for bridge course

ELECTIVE 1

- MCA 303_ET1 Artificial Intelligence
- MCA 303_ET2 Enterprise Resource Planning
- MCA 303_ET3 Computer Graphics And Multimedia
- MCA 303_ET4 Digital Image Processing

ELECTIVE 2

- MCA 304_ET1 Cloud computing
- MCA 304_ET2 Cryptography and Network Security
- MCA 304_ET3 Business Management And Information System
- MCA 304_ET4 Internet of Things (IoT)

AWARDS & SCHOLARSHIPS

The College has instituted the following awards and scholarships and will be awarded only to those students who appear for all the internal assessment tests/test papers conducted by the college.

SEMESTER TOPPER AWARD:

Semester Topper of the University Examination will be given an award as decided by the Management Committee.

Prof. MATHEW KOSHY ENDOWMENT SCHOLARSHIP:

Instituted for the best student in MCA. It is judged on the basis of highest marks secured for the university examination in the 1st semester and 2nd semester.

Prof. MATHEW KOSHY ENDOWMENT SCHOLARSHIP:

Awarded to the top scorer of Mathematics in the first semester.

Mrs. KRISHNAMBAL SCHOLARSHIP:

Awarded for the best outgoing student in MCA. This scholarship is instituted by Mr. Mahesh S.R an alumnus(2001-03 Batch) of MCA in memory of his late mother.

Dr. SHEELA KUMARI ISSAC AWARD:

For the best student in MCA instituted by the former Bursar Dr. Sheela Kumari Issac.

Dr. ABRAHAM C KULANGARA SCHOLARSHIP:

For students on the basis of merit cum means during the period of regular study.

TUITION FEE WAIVER SCHEME (TFW)

As per AICTE norms specified in the Approval Hand Book

STUDENT SUPPORT ACTIVITIES

THE TRAINING & PLACEMENT CELL

The Training and Placement Cell is committed to empowering the students for employability. The Cell conducts training programmes in Communication Skill, Aptitude, Reasoning Ability etc. The training is imparted by qualified experts from different parts of the Country. A good number of students have been placed in reputed companies. Many of our students have received campus placement offers from companies such as Wipro, IBS, Accenture, Speridian Technologies, UST Global, TCS, SAP Labs and Cognizant Technology Solutions.

INDUSTRY - INSTITUTE PARTNERSHIP CELL

To bring industry close to the academia and vice-versa, the Department mooted the idea of an Industry Institute Partnership Cell. The purpose is to bring together at a common forum academicians, industrialist, practicing managers and administrators to participate in discussion and help evolving consensus on various emerging issues besides identifications of thrust areas for joint programmes of reasearch and development between industries and college. The cell takes initiative to organize regular lecture series by experts from Industrial organizations.

Students of the Department engage in large number of activities which generally help them to develop their talents, leadership quality and organising skills. These extra curricular activities of the department are organised through various cells in which each student actively gets involved.

ALUMNI ASSOCIATION

The Alumni Association is a common platform for all former students as well teachers of the college to meet and share ideas, to renew and strengthen relations and share experience of their college days. The Association conducts various programmes - organize alumni meetings for the happy reunion of former students.

FREE OPEN SOURCE SOFTWARE (FOSS CELL)

The Department has formed a Free Open Source Software Cell to make the staff and students aware of vast possibilities in the making and use of free software. This is an extension activity of the Department. Organizing seminars on the free software, conducting internationally and nationally acclaimed symposiums, workshops etc. are some of the activities that the FOSS Cell takes up.

DEBATE CLUB

The Department has an active debate club which conducts debate competitions so as to improve the communication skill of the students. All students are invited and encouraged to join this extracurricular club. Students learn to create factual / logical, ethical emotional arguments to persuade others in the club that their "side" is correct.

SOFTWARE DEVELOPMENT CELL

The Cell provides students a wide exposure to various Software tools, Software Development, Project Management etc. along with regular curriculum. Various in-house projects have been identified by the members of the cell for implementation with the help of students.

SEMINARS/WORKSHOPS

The Institution regularly organizes seminars and workshops on frontier areas in computer science and application at the regional and national level with the sponsorship of AICTE, UGC, UBCHEA etc. Experts and delegates from across the state participate in such events.

VALUE EDUCATION CELL

This program helps the students to develop positive attitudes that are important for a better society. This is also a means of providing students with a philosophy of life, to ensure their overall growth, development, and to help them to make choices which will integrate them into the community with respect, confidence and clarity of purpose as mentioned in the Mission Statements of the College.

MCA ASSOCIATION

The MCA Association co-ordinates a number of activities like Resonance - an inter house competition meet, intercollegiate fests, Annual day celebrations, social service programs, Sports

meet and celebrations of various festivals in Kerala.

OUTREACH AND WOMEN EMPOWERMENT CELL

The department extends its service to the society through various outreach activities such as IT Literacy Awareness Sessions for senior citizens & Kudumbasree workers.

Students of the department are also actively engaged in spreading the awareness of bad effects of improper waste management.

GRIEVANCE REDRESSAL MECHANISM

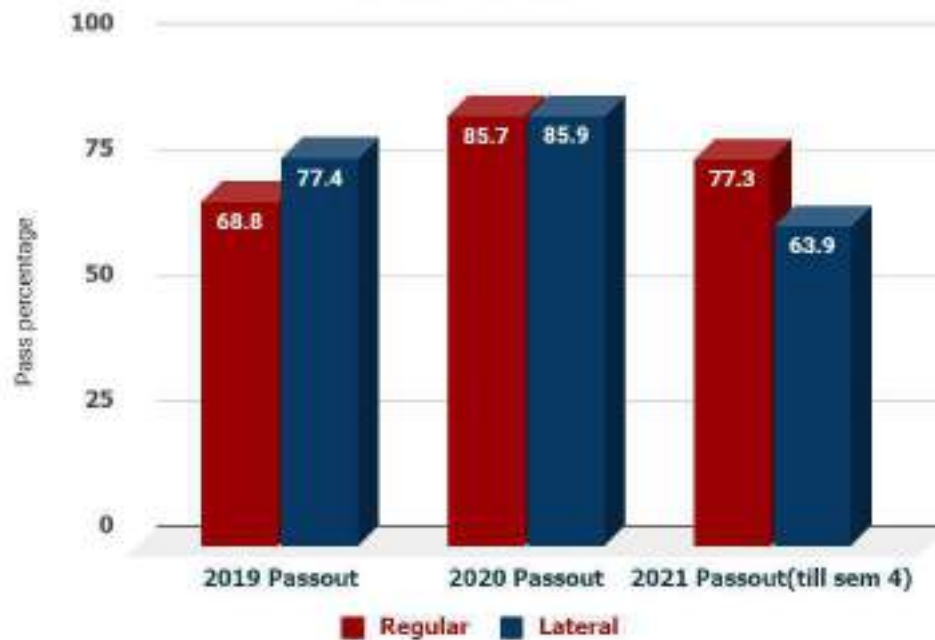
The department has an active grievance redressal mechanism. A suggestion box is kept for feedback collection. Also feedback from students is regularly collected after each semester through feedback forms and takes necessary actions to sort out this. Grievance cell, Anti Ragging cell & Internal Complaints committee works efficiently to sort out issues. A link is provided in the website where the students can register their complaint.

PERFORMANCE FEEDBACK SYSTEM

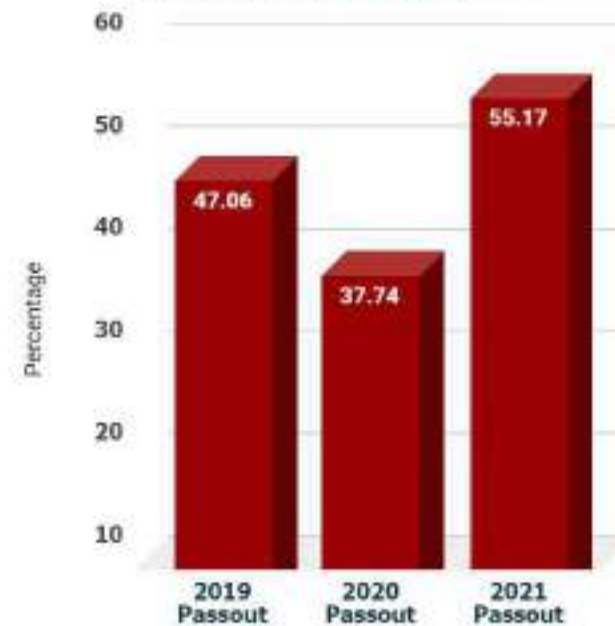
The Department provides a platform to review and analyse the performance of students through Performance feedback system. The faculty, parents and students sit together to discuss various aspects related to the academics and overall development of students and to suggest improvements. The strength and weakness of the students are given due importance in these discussions.

Results with pass percentage and placement details of the previous three years.

Result Analysis



Placement Statistics



GENERAL GUIDELINES AND RULES

ATTENDANCE:

Attendance will be marked at the beginning of each session by the teacher engaging the class. Late comers will be refused attendance for half a day and the student may be permitted to attend class at the discretion of the teacher concerned.

INTERNAL EXAM:

There will be two examinations in every semester except semester 1. In semester 1, there will be three exams (2 internals & 1 model).

DRESS CODE AND CONDUCT:

Student should attend the college neatly and decently dressed in their uniforms, as per uniform code published from time to time. Use of alcoholic liquors, smoking and chewing tobacco, intoxicant drugs etc. are prohibited in the campus. Students should take special care to keep the premises clean, neat and tidy.

VALUABLES:

The College will not be responsible for the loss and theft of any valuables. Students are

advised against wearing costly ornaments or bringing excess cash.

DAMAGE/DESTRUCTION:

Students are advised to keep the premises clean. The cost of repair/replacement of damaged college property will be realised by a common fine levied on all the students if the person / persons responsible for the same cannot be identified.

UNIFORM:

The students are advised to present themselves neatly in the campus wearing approved full uniform including identification tag.

RAGGING AND VIOLENCE:

As per the Supreme court verdict in SLP No.24295 of 2006 dated 16-05-2007 and in civil appeal number 887 of 2009, dated 08-05-2009, ragging is totally banned & anyone found guilty of ragging and/or abetting ragging is liable to be severely punished. The parents must sign an affidavit to the effect that he or she is aware of the law against ragging & agrees to the punishment meted out to his/her ward in case the latter is found guilty of ragging and/or abetting ragging. The students must also sign a similar affidavit.

USE OF MOBILE PHONES:

As per the direction from Govt. of Kerala the

use of mobile phones is banned while in the campus.

TRANSFER AND CONDUCT CERTIFICATES :

Students who leave the institution before the completion of course will be given Transfer Certificate only on payment of fee for the whole course. Conduct Certificate is not issued as a matter of right, it has to be earned by the student by proper conduct. As per the direction from Govt. of Kerala

APPLICATION FORMS:

Application Forms and brochure can be obtained on the payment of Rs. 500/- in cash or Rs.500 by DD payable to the Principal/ Director, MCA, Union Christian College, Aluva. The full address of the candidate should be shown in the request for application forms. Application form duly filled in together with the necessary details should be furnished and supported by copies of certificates duly attested by Gazetted officer or the head of the institution in which candidate studied last. Application forms can also be downloaded from the department website www.mcaucc.edu.in, application form should be accompanied by the DD favouring Principal/ Director, MCA, Union Christian College, Aluva along with all other necessary documents.

MCA ADMISSIONS 2022- REGULATIONS

Eligibility Criteria (as per AICTE Norms*)



ELIGIBILITY CRITERIA (As per MG University Regulations)

A pass with not less than 50% marks in any recognized Regular Bachelors Degree of minimum three years duration in any discipline with Mathematics at plus two level OR at Graduation level with Mathematical Science(Mathematics /Statistics /Computer Science / Operation Research /Quantitative Techniques) as one of the Subjects.

OR

A pass with not less than 50% marks in BCA/BSc.Computer Science/ BSc. Information Technology/ B.Tech. from a recognized University.

ADMISSION PROCESS

The eligible students should qualify the MCA entrance examination conducted by Admission supervisory committee (ASC).

Students have to submit the Application form duly filled in together with supporting documents and self attested copies of certificates. Application Form and brochure can be obtained on payment of Rs. 500/- in cash from the office. Application forms can also be downloaded from the department website www.mcaucc.edu.in Such forms should be accompanied by the DD of Rs. 500 favouring Principal, Union Christian College, Aluva along with all necessary documents.

For Govt Seats, the admission will be based on the Govt. allotment. For management seats, the admission will be based on the rank list prepared with the marks obtained for MCA entrance examination and the qualifying examination.

FEE STRUCTURE

Description	Amount	Term
Tuition Fee	Rs. 50000 /-	Yearly
Caution Deposit (Refundable)	Rs. 10000 /-	One Time
HR Fee	Rs. 10000 /-	One Time
Association, Recreation & Sports Magazine & Newsletter	Rs. 2500 /-	One Time
Consumables	Rs. 1000 /-	One Time
University Special Fee*	Rs. 3770 /-	One Time

**Subject to change as per University norms*

Note : Students have to pay Rs. 500/- as Alumni registration fee and Rs. 1000/- as Annual maintenance fee (Installation and maintenance of infrastructure like student security measure & cost towards damage of Lab equipments) after the end semester examination.

Caution : The College will not be responsible for non-receipt of or late receipt of application forms, selection memos and other correspondences regarding admission. The director will decide any other details not specifically covered by the above and his decision will be final. The director is also empowered to cancel any admission if found to be illegal subsequent to the admission.

Selection for admission will be provisional and subject to verification of original documents by the concerned authorities at the time of admission. If any fraud is detected his/ her selection will be cancelled without any further notice.

Important dates (As per ASC Directives)

- The tentative schedule for Entrance Examination for MCA course will be announced by admission supervisory committee.

Documents to be submitted during admission

- Duly filled application form
- Copy of SSLC Certificate
- Copy of Plus - Two Certificate
- Degree mark list (All semesters) (original and self attested copies)
- Degree Certificate / Provisional (original and self attested copies)
- Character & Conduct Certificate (Make sure that Conduct is 'Good' and validity)
- Transfer Certificate
- Medical Certificate (From Govt. Doctor)
- Copy of Entrance Examination Hall Ticket
- Entrance Examination Rank Statement
- Photo (5 No's)

ACTIVITIES





UNION CHRISTIAN COLLEGE
ALUVA

School of Computer Applications

U.C. College P.O., Aluva - 683 102, Kerala
Phone : 0484 2603633 / 8281107533 |
Email : admission@mcaucc.edu.in
Web : www.mcaucc.edu.in
Admission Enquiry : 8281107533

