

INFORMATION BROCHURE

MCA 2017-2020



Assam Rajiv Gandhi
UNIVERSITY OF COOPERATIVE
MANAGEMENT

Building Capacity for the growth of cooperative

A State University

Estd. under Assam Rajiv Gandhi University of Cooperative
Management Act, 2010: ASSAM ACT NO. XXV OF 2010

Recognised by UGC

WHY MCA AT ARGUCOM?

In view of growing demand of quality IT professionals in the area of computer application, a 3 year MCA (Master of Computer Application) course with an integration of IT, Management & Law is introduced at ARGUCOM. This program would prepare a candidate to become a quality software professional with the advanced and updated knowledge base which is necessary to meet the needs of software industries. The primary objective of the course is to initiate young minds into the world of computer applications and provide them with a solid grounding in the domain of software. Pursuing this course will also provide an opportunity to those who are aspiring to choose academics as a profession; the syllabus has been designed as per the requirement of National Eligibility Test (NET) also.

THRUST AREA

- Artificial Intelligence
- Big Data Analysis
- Banking Technology
- Data mining & Warehouse
- Distributed Computing & Cloud Computing
- Advanced UNIX, Cyber Law & IT Security
- Computer Graphics
- Computer Networking & Security
- Pattern Recognition
- Image Processing
- Optical Character Recognition
- Natural Language Processing
- Software Engineering

UNIQUE FEATURES

- Syllabus designed in consultation with professional from WIPRO, INFOSYS, NASCOM & various Public Sector Undertaking.
- Students need to work in various University Consultancy assignments like Computerization of Cooperatives and Commercial Banks, Digitalization of Whole Sale Markets & Hospitals, Design of Web Portals for various small & large scale industries, E-Commerce design.
- Events are organized on the latest Technological Developments, Industrial visits, Technical Workshops, Expert Talks, Personality Development Programme, Entrepreneurship Development Camp, etc to Prepares candidate in becoming a quality software professional
- Opportunity to work on live projects for Digitalization under the joint guidance of industry professionals and faculty members of the Institute.

LEARNING PEDAGOGY

- Covering the theoretical and practical aspect of topics.
- Real time projects.
- Workshops, seminars, conferences.
- Lectures and orientation from industry experts
- Student clubs.



IN-HOUSE FACULTY

- Prof. Munindra Kakati, VC ARGUCOMM & Former Dean, Faculty of Management, Gauhati University
- Ranjan Sarmah, Asst Prof, SIT, ARGUCOM
- Jasmine Ara Begum, Faculty Associate, SIT, ARGUCOM
- Abhikesh Kaushik, Faculty Associate, SIT, ARGUCOM
- Dr. Rashida T. Noorain, Asst Prof, SEM, ARGUCOM
- Dr. Jewel M Phukan, Faculty Associate, SEM, ARGUCOM
- Bishnubrat Hazarika, Faculty Associate, SEM, ARGUCOM
- Dr. Sangita Borah, Faculty Associate, SEM, ARGUCOM

VISITING FACULTY

- Amal Chandra Gogoi, Practice Lead, INFOSYS, Bangalore
- Dr. T R Sarma, PhD, Tezpur University, *Specializations/ Area Of Interest:* System Management and Operation Management
- Dr. Heera Barpujary, PhD, Tezpur University, *Specializations/ Area Of Interest:* System Management and Knowledge Management
- Pratim Barua, *Specializations/ Area Of Interest:* Organizational Behaviour, Human Resource, and Marketing, Dibrugarh University
- Dr. Himadri Barman, *Specializations/ Area Of Interest:* Quantitative Technique, Operations, Statistics, Dibrugarh University
- Experienced Professional from ONGC, Sivasagar
- Experienced Professional from NRL, Golaghat

Permanent site
Demow Pathar, Mouza –Sologuri , Amguri Circle
Sivasagar, Assam, India

Present Address (Temporary site)
2nd Floor, Baruah Complex, A.T Road,
Sivasagar, Assam-785640.

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ADMISSION CRITERIA

ELIGIBILITY: Graduate with 50% in any discipline. Minimum 40% marks secured in Mathematics at 10+2 level.

**Relaxation of 5% for SC/ST/PWD*

HOW TO APPLY

Download the application form from University website www.argucom.edu.in.

A demand draft of Rs. 700 (Non Refundable) for general; Rs. 350 (Non Refundable) for ST/SC/PWD has to be submitted along with the application form to the University physically or via post.

All payment must be made in DD in favour of Assam Rajiv Gandhi University of Cooperative Management, payable at Sivasagar.

Written test details will be notified in University website

COURSE CURRICULUM



Semester 1

Digital Logic And Design
Programming And Problem Solving Through C
Application Of IT In Socio-Economic Development
Management And Behavior Process
Cost And Financial Accounting
Quantitative Analysis
Cooperative Management
C Programming Lab
Soft Skill



Semester 2

Computer Architecture And Organization
Data Structure Using C
Database Management System- I
Automata Theory
Research Methodology & Tools
Smart Banking Technology
Operation Research & Optimization Technique
Database Management System- I Lab
Data Structure Using C Lab



COURSE CURRICULUM



Semester 3

Data Communication And Network I
System Software And Compiler
Database Management System II
Computer Graphics
Object Oriented Programming And Design Using C++
Software Project Engineering & Management
Design Of Management Information System
Database Management System- II Lab
Object Oriented Programming And Design Using C++- Lab
Computer Graphics-Lab



Semester 4

Java Programming
Design And Analysis Of Algorithm
Software Testing And Quality Assurance
Operating System
Data Communication And Network II
Java Programming Lab Mini Project On VB
Elective 1:
1. Business Process Domain
2. MIS Framework & Implementation
3. Object Oriented Analysis & Design
4. E-Commerce
5. Entrepreneurship Management



Semester 5

Artificial Intelligence & Expert Systems
Emerging Trends In Information Technology
Data Warehousing And Data Mining
Web Technology
Minor Project
Artificial Intelligence Lab
Elective 2:
1. Cyber Law And IT Security
2. Distributed Computing And Cloud Computing
3. Advance Unix



Semester 6

Major Project (Under The Following Areas)

- Artificial Intelligence
- Dot Net
- PHP
- JSP
- ASP
- Natural Language Processing



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