# INFORMATION BROCHURE MCA 2017-2020

# 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 designed in consultation with professional from WIPRO, syllabus has been designed as per the requirement of National Eligibility Test (NET) also.

### THRUST AREA

- Artificial Intelligence
- Big Data Analysis

Computing

- Banking Technology
  - Data mining & Warehouse
- Distributed Computing & Cloud
- Advanced UNIX, Cyber Law & IT Security

- Computer Graphics
- Computer Networking & Security
- Pattern Recognition
- Image Processing
- Optical Character Recognition
- Natural Language Processing
- Software Engineering



# 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

# UNIQUE FEATURES

- 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.

Amal Chandra Gogoi, Practice Lead, INFOSYS, Bangalore

Interest: System Management and Operation Management

Interest: System Management and Knowledge Management

Technique, Operations, Statistics, Dibrugarh University

Experienced Professional from ONGC, Sivasagar

Pratim Barua, Specializations/Area Of Interest: Organizational

Dr. T R Sarma, PhD, Tezpur University, Specializations/Area Of

Dr. Heera Barpujary, PhD, Tezpur University, Specializations/Area Of

Behaviour, Human Resource, and Marketing, Dibrugarh University

Dr. Himadri Barman, Specializations/Area Of Interest: Quantitative

### 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

# Experienced Professional from NRL, Golaghat

03772-222144, +91-90852-28262, +91-94351-56782





VISITING FACULTY

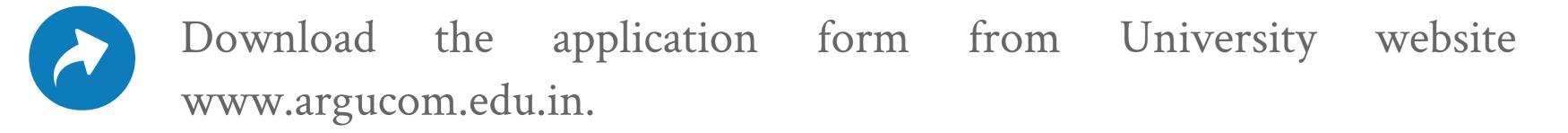
# INFORMATION BROCHURE MCA 2017-2020

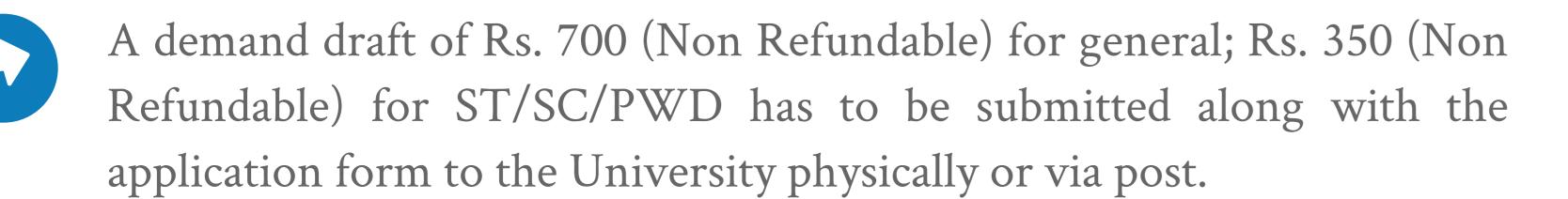
### ADMISSION CRITERIA

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











# 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

### COURSE CURRICULUM

#### Semester 1

Digital Logic And Design

Programming Problem And Solving Through C

Application In Socio-Economic Development

Behavirol Management And Process

Cost And Financial Accounting

Quantitative Analysis

Cooperative Management

C Programming Lab

Soft Skill



#### Semester 2

And Architecture Computer Organization

Data Structure Using C

Database Management System- I

Automata Theory

Research Methodology& Tools

Smart Banking Technology

Research Operation

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

Demow Pathar, Mouza -Sologuri,

Amguri Circle, Sivasagar, Assam,

Computer Graphics-Lab

Permanent site



#### 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

9

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



#### 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 Computing Cloud
- Advance Unix



#### Semester 6

Major Project (Under The Following Areas)

COURSE CURRICULUM

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



