



GOVERNMENT OF ASSAM

COOPERATION

ASSAM RAJIV GANDHI UNIVERSITY OF COOPERATIVE MANAGEMENT

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Syllabus

Course Curriculum for Master of Computer Application(MCA)- 2Yrs

Year	Semester I	Semester II
1st year	1.Digital Logic and Design 2. Computer Architecture and Organization 3. Web Technology 4. Quantitative Analysis	1.Datastructure Using C++ 2. Automata Theory 3. System Software and compiler 4. DBMS

	5. Cooperative Management 6. Cost and Financial Accounting 7. Programming and Problem solving through C (Bridge Course) 8. C Programming Lab (Bridge Course)	5. Operating System 6. Design and analysis of Algorithm 7. Datastructure Using C++ Lab 8. DBMS Lab 9. Non Credit Course/ Open Elective
Year	Semester III	Semester IV
2nd year	1. Data Communication and Computer Networks 2. Artificial Intelligence 3. Software Engineering 4. Elective 1 5. Elective 2 6. Artificial Intelligence Lab 7. Mini Project	1. Elective 3 2. Elective 4 3. Major Project

Elective Paper for Master of Computer Application(MCA)- 2Yrs

Elective	Elective Subject
Elective 1	1. Data Warehousing & Data Mining 2. Cryptography & network Security 3. Cloud Computing 4. Soft Computing 5. Software Project Management 6. IT in Socio Economic Development
Elective 2	1. Operation Research & Optimization Technique 2. Research Methodology & Tools 3. Smart Banking Technology 4. Data Analytics 5. Advanced Database Management System 6. Privacy and Security in Online Social Media
Elective 3	1. Neural Network 2. Internet of Things 3. Distributed Database System 4. Digital Image Processing

	5. Advance Data Communication & Network 6. Cyber law & IT Security
Elective 4	1. Mobile Computing 2. Computer Graphics 3. Natural Language Processing 4. Machine Learning 5. Deep Learning Technology 6. Big Data Analysis 7. Genetic Algorithm

N.B. Papers may be interchanged between different semester depending upon the exigencies of the situation

Course Curriculum for Master of Computer Application(MCA)- 3Yrs

Year	Semester I	Semester II
1st year	1.Digital Logic and Design 2. Programming and Problem solving through C 3. Application of IT in socio-economic development 4. Management and Behaviourial process 5. Cost and Financial Accounting 6. Quantitative Analysis 7. Cooperative Management 8. C Programming Lab 9. Soft Skill	1.Computer Architecture and Organization 2. Datastructure Using C 3. DBMS-I 4. Automata Theory 5. Research Methodology and Tools 6. Smart Banking Technology 7. Operation Research and Optimization Technique 8. DBMS-I Lab 9. Data Structure Using C Lab
Year	Semester III	Semester IV
2nd year	1. Data Communication and Computer Networks-I 2. System Software and compiler 3. DBMS-II 4. Computer Graphics 5. Object Oriented Programming and Design Using C++ 6. Software Project Engineering and Management 7. Design of Management Information System 8. DBMS-II Lab 9. Object Oriented Programming and Design Using C++ Lab 10. Computer Graphics Lab	1.Java Programming 2. Design and analysis of Algorithm 3. Software testing and quality assurance 4. Operating System 5. Data Communication and Computer Networks-II 6. Java Programming Lab & Mini Projects on VB 7. Elective –I (Any one) <ul style="list-style-type: none"> • Business Process Domain • MIS Framework & Implementation • Object Oriented Analysis & Design • E-commerce

		<ul style="list-style-type: none"> • Entrepreneurship Management • Enterprise Resource Planning
Year	Semester V	Semester VI
3rd year	1. Artificial Intelligence and Expert System 2. Emerging trends in Information Technology 3. Data Warehousing and Data Mining 4. Web Technology 5. Minor Project 6. Artificial Intelligence Lab 7. Elective-II (Any one) <ul style="list-style-type: none"> • Cyber Law and IT security • Distributed Computing and Cloud Computing • Advance UNIX 	1. Major Project (Under the following areas) <ul style="list-style-type: none"> • Artificial Intelligence • DOT NET • PHP • JSP • ASP • Image Processing • Natural Language Processing

N.B. Papers may be interchanged between different semester depending upon the exigencies of the situation

Information & Services

- Rajiv Gandhi University of Cooperative Management, Assam
- Sivasagar
- Statutory/Governing Bodies

Policies

- Copyright Policy
- Hyperlinking Policy
- Privacy Policy
- Accessibility Statement
- Terms of Use
- Screen Reader
- Content Management

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