



NAAC A+ Accredited & UGC 12(B) Status Holder

Assam down town University

Established Vide The Assam Act. No. VIII of 2010, Gazette No. LGL.9/2010/11

Promoted by: **down town**
Charity Trust

MCA PROGRAM STRUCTURE

First Semester

Credits

- Programming and Data Structures (with Lab) 5 (4+1)
- Operating Systems 3
- Computer Organization and Architecture 3
- Fundamentals of Discrete Mathematics 3
- Web Technology (with Lab) 5 (4+1)
- Fundamentals of Probability and Statistics 3

Second Semester

- Python Programming (with Lab) 5 (4+1)
- Object Oriented Paradigm Using JAVA (with Lab) 5 (4+1)
- Design and Analysis of Algorithms 3
- Usability Design of Software Application 3
- Data Visualization 3
- Computer Networks and Information Security 3

Third Semester

Core Subjects

- Database Management Systems (with Lab) 5 (4+1)
- Introduction to Computer graphics 3
- Project I 6

Specialization

- Programme Elective I 3

Fourth Semester

Core Subjects

- Cloud Fundamentals 3
- Computer Vision 3
- Project II 12

Specialization

- Programme Elective II 3



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Learners will be allowed to select any one specialization during the third semester. Once selected, the same will continue till the last semester

Total Credit= 82

PROGRAMME SPECIALIZATIONS/ PROGRAM ELECTIVES

Specialization	Third Semester	Fourth Semester
AI/ML	Fundamentals of AI/ML	Deep Learning and Neural Networks
Data science	Introduction to Data Science	Business Analytics

