



Guru Nanak Dev University

NAAC A++, UGC-Entitled

MCA

Type

Pg Program

Mode

Online

Duration

2 Years

Total fees

₹ 90,600

Guru Nanak Dev University

Guru Nanak Dev University (GNDU), established in 1969, is a leading public university committed to academic excellence, inclusive education, and societal advancement. Over decades, the University has built a strong foundation across disciplines such as Science, Arts, Management, Information Technology, and emerging technology domains. Guided by the values of Sri Guru Nanak Dev Ji, GNDU's academic philosophy emphasises integrity, equity, and knowledge that serves society.

MCA

Highlights

- ◆ Flexible study structure that keeps quality education accessible for graduates and working professionals aiming to deepen technical expertise.
- ◆ Emphasis on Design And Analysis Of Algorithms, System Software, System Simulation, and Design of Programming Languages, ensuring the course stays closely aligned with computer applications, programming, and IT systems.
- ◆ Encourages steady academic progress through organized content, assessments, and guided learning support.
- ◆ Helps learners interpret real situations, evaluate information, and communicate ideas with subject confidence.
- ◆ Relevant for learners seeking meaningful growth in Software Developer, Application Engineer, and Systems Analyst and related software support, application development, IT operations, and systems-related roles, based on their goals and experience, with added focus on problem-solving discipline.

Learning outcomes

- ◆ Within MCA from Guru Nanak Dev University, understand how Design And Analysis Of Algorithms, System Software, System Simulation, and Design of Programming Languages shape practice within computer applications, programming, and IT systems.
- ◆ Apply concepts to interpret software requirements, data workflows, and user-facing digital systems and respond to practical questions.
- ◆ Review technology choices that consider usability, performance, and maintainability using evidence, context, and logic, accuracy, security awareness, and user focus.
- ◆ Build programs, database designs, web pages, and technical documentation that support effective communication and problem-solving.
- ◆ Demonstrate readiness to pursue deeper learning or relevant roles connected to Software Developer, Application Engineer, and Systems Analyst and related software support, application development, IT operations, and systems-related roles, while strengthening problem-solving discipline.

Eligibility Criteria

BBA/ B.com. / B.Sc. (Regular/ Hons.) Economics or Graduate in any stream with Mathematics/ Statistics/ Computer Sciences/ Computer Applications/ IT/ Computer Maintenance/ Quantitative Techniques as one of the elective subjects with 50% marks (45% for SC/ST) in aggregate or any equivalent degree thereto. or Bachelor's degree in any stream with 50% marks (45% for SC/ST) in aggregate with Mathematics as an elective subject at +2 level.

Curriculum Overview

Semester I (6 subjects)

- | | |
|-------------------------------------|-----------------------------------|
| ◆ Design And Analysis Of Algorithms | ◆ Design of Programming Languages |
| ◆ System Software | ◆ Programming Lab-I |
| ◆ System Simulation | ◆ Secure Software Development |

Semester II (6 subjects)

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|------------------------|--------------------------------------|
| ◆ Open Source Software | ◆ Microprocessor & It's Applications |
| ◆ Distributed Systems | ◆ Programming Lab-II |
| ◆ Web Technologies | ◆ Information Systems and Security |

Semester III (6 subjects)

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|------------------------------------|--|
| ◆ Advanced Software Engineering | ◆ Advanced Computer Architecture |
| ◆ Soft Computing | ◆ Cloud Native Application development |
| ◆ Data Warehousing and Data Mining | ◆ Programming Lab-III |



Curriculum Overview (continued)

Semester IV (1 subject)

- ◆ Major Project/Industrial Training/Dissertation

Fee Structure

Fee heads	Year 1	Year 2	Total
Application Fees	₹ 1,600	—	₹ 1,600
Exam Fee	₹ 7,000	₹ 7,000	₹ 14,000
Course Fee	₹ 37,500	₹ 37,500	₹ 75,000
Total	₹ 46,100	₹ 44,500	₹ 90,600