

**BE READY FOR THE
NEXT PHASE OF
INTERNET'S EVOLUTION**

JAIN UNIVERSITY

Declared as Deemed-to-be University u/s 3 of the UGC Act, 1956



M.Sc. in Storage & Cloud Technology

Knowledge Partner

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Education Solutions

PROGRAMME OVERVIEW

At the end of this course the students will be able to design, implement and troubleshoot storage and cloud related solutions.

The course provides comprehensive knowledge, technical expertise and hands-on experience in the storage and cloud technology areas. It also provides valuable industry inputs and insights in the above areas.

Programme Name

Master of Science

Programme Code

044

Course code and Name

4413 M. Sc in Storage and Cloud Technology

Degree Awarded

Master of Science

Duration of the Programme

2 years, 4 semesters

Eligibility

The minimum qualification to apply is a Bachelor's degree in the relevant discipline.

Medium of Instruction / Examination

English

Study Campus

School of Sciences - Dept. of Information Technology
Jain University, # 34, 1st Cross, JC Road, Bangalore - 560 001

Programme Timings

8:30 am - 4:30 pm (Mon to Sat)

Course Advisor

Dr. Easwaran Iyer
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Examinations & Assessments

1. Internal tests
2. Assignments
3. Seminar presentation
4. Class tests
5. Preparatory theory and Practical examination
6. End term theory and Practical examination

Curriculum

Semester 1

Computer System Organization
Designing Enterprise Networks
Application Programming
Data Center Architecture And Storage Management Fundamentals
Server Operating System I
Learning Labs: Programming and Operating Systems Lab
Mini Project-1

Semester 2

Server Operating System II
Principles Of Virtualization
Fundamentals of Datacenter
Introduction to Cloud Technology
Elective I
Learning Labs: Server Operating System II Lab
Mini Project-2

Semester 3

Datacenter and Cloud Security
Windows Azure Implementation
Advanced Virtualization
Advanced Storage Technology
Elective II
Learning Labs: Windows Azure Implementation - Lab
Mini Project-3

Semester 4

Final Project and Internship

CAREER OPPORTUNITIES

A study by EMC and Zinnov Management Consulting estimates the total cloud market in India at \$400 million and this is expected to touch \$4.5 billion by 2015. It expects the private cloud market, where the infrastructure is operated for specific companies, to create 1,00,000 IT jobs by 2015 from 10,000 today. It also warns that companies are currently underskilled in addressing cloud computing implementations.

Even at the Global market, jobs in Cloud Technologies are supposed to grow the fastest.