

M.Sc (INFORMATION COMMUNICATION TECHNOLOGY)



M.TECH (S.ENGG.)
M.SC (ICT)
IT CERTIFICATION PROGRAMME
HEALTHCARE MANAGEMENT
JEWELLERY DESIGNING



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Introduction and Overview

One of India's most trusted educational institutions; the JSS Foundation proudly carries with itself a heritage of building careers. For over 5 decades now, at over 300 educational centers including 3 of the nation's best-known engineering colleges, the JSS Education Foundation has consistently provided scores of promising cadets a launch pad to the world of technology, commerce and healthcare field.

Rooted in the heartland of information technology Bangalore, Karnataka, the institution now announces its presence in the Middle East with its new educational center at Dubai's Knowledge Village, JSS Education Foundation. The academy offers the eager young minds working and studying in the region a chance to tap into the values of a disciplined educational system through one of the most innovative teaching modes today – online education and blended learning.

The **M.Sc in Information Communication Technology** program is a master's level degree program for early to mid-career software professionals who are intent on increasing the breadth and depth of their knowledge of the software engineering discipline. Prospective students in M.Sc (ICT) program must have solid experience and background in the IT industry.

What Can a Student Do with an M.Sc (ICT) Degree?

Almost every business that's positioning itself to be competitive in the new "Information Economy" uses high-tech communication systems. Most banks, oil companies, insurance firms, chain stores and major manufacturers already have communication networks in place to help them move information from place to place. These businesses utilize ICT to plan and manage their networks. Also, many small businesses are plugging into the Information Age and have a growing need to manage the flow of data from one place to another.



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M.Sc (ICT) Qualifications

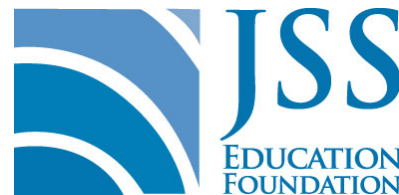
The M.Sc (ICT) Curriculum consists of 30 credit hours of courses, in which a range of elective courses in areas such as management, business, and software process, and the Software Development Studio can be taken by the student.

M.Sc (ICT) courses are designed for everyone from young students to senior managers. Their emphasis on student-based learning and practical achievement means that students can enter their workplace with confidence and assurance.

JSS qualifications have always been respected by employers and professional organizations because they are relevant to the workplace. Indeed, when developing new JSS qualifications, more effort is put with key players in the sector, such as Excel soft, to give students the best chance of gaining a good position in the workplace. This qualification is developed in a very special way that blends the best of online learning with the most essential elements of face-to-face learning.

Students who complete the online **M.Sc (ICT)** will have the following skills:

- Depth of understanding of the links between ICT and business in the workplace
- Ability to professionally develop web-based applications.
- High Level of computer programming skills.
- Ability to demonstrate the effectiveness of online and offline marketing with different customer types.
- Immediate impact in the workplace as a result of the learning styles and common skills



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Key Program Features

- On-line teaching and learning takes place at the JSS premises in Knowledge Village Dubai, from the working place of the student, or from the student's home.
- A key feature of JSS courses is the self-study element. Students are expected to study for less than 20 hours per week.
- The Program is supported by state-of-the-art multimedia, such as satellite-linked interactive teleconferencing sessions; computer based testing facilities, online interactive tutorial sessions with both faculty experts and peers; through CDROMs and Internet access.
- The face-to-face element of the course enables proper support and counseling to take place.
- The program itself is delivered and updated by JSS EF India
- M.Sc (ICT) provides students with an excellent opportunity to directly enter the academic sector as tutors of information and technology subjects.

Eligibility Requirements

A Bachelor's Degree in Science from any recognized university

A Bachelor's degree in Commerce with at least 2 years experience in a reputed IT industry.



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Program Details

The M.Sc. (ICT) consists of 10 courses each having 3 credits.

SEMESTER 1: Duration 16 weeks

- Software Engineering
- Database Management Systems
- Operating System Distributed Computing

SEMESTER 2: Duration 16 weeks

- Internet Technology
- Multimedia Communications
- Cryptography and Network Security

SEMESTER 3: Duration 16 weeks

- Client Server Computing
- Wireless Mobile Communications
- Advanced Software Engineering
- Operating Systems Internals.

SEMESTER 4: 30 Duration 16 weeks

- Project – Midterm Internal Assessment.
- Thesis Evaluation.