

## M.Sc.(I.T.) Lateral Entry

### a) Mission, Objectives and Relevance of the Programme:

The objective of Master of Information Technology is to impart comprehensive knowledge in the domain of computer science and information technology at Postgraduate level. This will entail training students in advanced concepts of programming and theoretical concepts in computer science. Advanced knowledge of programming languages such as C++, Java and Python is imparted as part of the programme. The students are also educated about theoretical concepts of information technology and its use in various professional and technological fields. The mission and relevance is to provide quality postgraduate education in both the theoretical and applied foundations of computer science and train students to effectively apply this education to solve real-world problems thus amplifying their potential for lifelong high-quality careers and give them a competitive advantage.

### b) Nature of Prospective Target Group of Learners:

- Students who have completed PGDCA can get admission directly in the 2<sup>nd</sup> year of this course.
- Candidates from remote, border and far off areas, rural and backward areas, women candidates who are unable to pursue course on regular basis.
- Especially the employed candidates opt for these courses in order to upgrade their educational qualification so that they are eligible for future promotions.
- Those candidates who cannot join regular teaching classes in terms of money.
- Those who are employed at remote places, especially the army and para-military personnel as well those who have long gap in their studies.

### c) Appropriateness of the Programme to be Conducted in Open and Distance Learning Mode to Acquire Specific Skills and Competence:

- Students after doing M.Sc (IT) can pursue Ph.D.
- After qualifying UGC-NET examination students are opting teaching as profession in different colleges.
- Students are able to get jobs in different IT/BPO companies, banks, government and private offices.
- The course where Computer is being offered as an Option, the idea is to equip the candidates with the basic working knowledge of the computers. So that they can utilize this knowledge to make their day to day activities easier and techno savvy.

### d) Instructional Design:

- This programme has two semesters.
- Personal Contract Programmes (PCPs) are held for 10-12 days during each semester. In addition to the formal lectures, consultation is provided to the learners during the PCPs. It is mandatory for the students to maintain 75% attendance in the PCPs.

*Hayat Khan*

- Print/Online lessons are provided to the learners.
- Faculty is available in accordance to the prescribed UGC norms. Services of teachers from other departments, especially the Department of Computer Science are sought and provided whenever required.
- Video lessons on several topics of the syllabi have been prepared.

e) Procedure for Admission, Curriculum, Transaction and Evaluation:

- Anyone with a score of 35% at under-graduate level from any discipline can seek admission to the course.
- Our curriculum is at par with the one offered through the regular mode of education.
- Students are made to prepare assignments and take tests (Offline/Online).
- Attendance during the PCPs (mandatory) is taken into account while preparing Internal Assessment.
- Teachers are accessible in person on all working days. They can also be contacted on phone or through email.
- Internal marks 30 and External marks are 70 for each paper.

f) Requirement of Laboratory Support and Library Sources:

- Centre for Distance and Online Education is at Arts Block 3. The department has a well equipped laboratory with 30 desktop machines. **With the increasing demand of the computer courses we need to extend and upgrade the computers in the computer lab.**
- Library already exists and is rich in Text Books, Research Books and Journals of Computer Science.

g) Cost Estimate of the Programme & the Provisions:

As per University Rules

h) Quality Assurance Mechanism and Expected Programme Outcomes:

- Regular updating of the syllabi that have been prepared time to time by the concerned Board of Studies of the University following the UGC guidelines for curriculum. The Syllabi of the ODL is at par with that of Regular Department.
- The course has been designed to facilitate students to compete for SET/NET and other competitive examinations.

*Haypreet Kaur*