

**TEACHERS' UNIVERSITY CENTRE FOR DISTANCE EDUCATION  
PROGRAMME PROJECT REPORT (PPR)**

**TRADITIONAL PROGRAMS AT CTU**

**Course:** Bachelor of Science in Computer Science

**Duration:** 3 Years

**A. Programme Mission and Objective:**

The aim of CTU in starting Bachelor of Science in Computer Science is to create computer professionals for delivering better in the education and professional sector.

**(a) Rationale : The main reason for offering this programme are :**

**Computer is an exciting and growing field-** Computer is an emerging field of opportunities as the era has shifted from just treating a disease to controlling and preventing it in the community. The field enriches the research activities and promotion activities.

**Computer is a diverse and dynamic field-** Computer field is open for students from varying educational backgrounds such as Arts, Science and Commerce.

**(b) Goals and objectives:**

To provide a career for students as computer science professionals and research fellows. This course provide students a great opportunity to enter the real world where aspiring computer science professionals can showcase their talent as system integrator, analysts and many other fields.

To train students with required skills as human resource in Computer science domain

**B. Relevance of the programme with HEI's Mission and Goals :**

The programme is entirely in line with the CTU strategic goals as well as its Mission to provide superior professional education, nurturing translational and transformational research in Computer science sector for the benefit of the society. The programme is also consistent with Higher Education vision 2020 to transform society towards knowledge society and making education an improve tool to realize knowledge, economy and society.

**C. Nature of prospective target group of learners :**

A class XII Pass in science stream from any statutory board in the country or abroad.

The Certificate should have been obtained from a recognized board, established by law in India and the medium of instruction for the degree should be English. A candidate who has scored a minimum passing marks in the qualifying examination will be eligible for admission to the Bachelor of Science in Computer Science Course.

**D. Appropriateness of programme to be conducted in open and distance learning mode to acquire specific skills and competence**

This course is intended for professional's practitioners, researchers and students from wide range of backgrounds who aim to develop their knowledge and insights pertaining to the computer

discipline. The course is designed to provide critical and practical skills to analyse, evaluate, design and implement solution and strategies with regards to computer and its issues.

### **E. Instructional Delivery Mechanism**

CTU follows a modern ICT enabled approach for instruction. The methodology of instruction in CTU is different from that of the conventional /regular programs. Our system is learner-oriented and the learner is an active participant in the teaching-learning process. Most of the instructions are imparted through online and distance mode. Academic delivery systems of CTU are:

**Print Material:** CTU mainly focuses on Self Learning Material (SLM) and their up gradation by eminent teachers/academicians both from CTU and other reputed universities/institutions. As text information plays a vital role in distance education, print based instruction has a critical role in CTU distance learning initiatives.

**Audio-Visual Material Aids:** The learning package contains audio and video programmes which have been produced by the University for the Enhancement of understanding of the course material given to the student. The video lectures are uploaded in the University website for the student's access.

**Online/Virtual Classes:** Delivery of classroom-like lectures will also be available in the student portal for enhanced learning experience.

**Laboratory facilities:** CTU has advanced laboratory for practical training for younger minds to get hands on experience in cutting edge techniques.

#### **F) Identification of Media**

Print, Audio-Video and Online media will be utilized for the dissemination of knowledge relevant to the program enrolled.

#### **II) Student support system**

CTU provides an exclusive online portal for students to cater to all of their academic related matters such as notification of contact classes, assignment details, course material, and examination schedule. In addition, each student has provision to seek guidance, counseling and career guidance throughout the program.

### **F. Procedure for admissions, curriculum transaction and evaluation**

Admission to all the programs is through notification in newspaper and on University website. The admission procedure involves submission of filled application by the candidates after paying the prescribed fees. The admission scrutiny committee evaluates all the submitted applications and recommend the eligible candidates. The selected candidates are notified through admissions office and also on the University website. The selected candidates are expected to report within the stipulated timeframe for provisional admission to the program.

Curriculum transaction for the program is through the designated online student portal as detailed below.

## **Skill based ODL Programs at CTU**

By now, open and distance learning (ODL) Institutions have established themselves as an alternative to provide education especially at tertiary level. But from past few years many ODL institution also diverted their attention towards improving skills of teachers and industrial workforce through in-service teaching programme and skill development programmes. Yet, despite the rapid expansion of ODL institutions, policy-makers have limited evidence regarding the actual outcomes and impact of such initiatives. Such ODL based model of improving skills of learners either in job or as their pre-jobs requirement has great importance and relevance in countries like India where there is an urgent need of providing, cost effective training to a large number of untrained work force and need of continuing education at different levels for improve overall their skills and enable them to be part of the productive force in fast growing Indian economy.