Course Code	**:**	**MCS-014**
Course Title	**:**	**Systems Analysis and Design**
Assignment Number	**:**	**BCA(III)/014/Assignment/2026-27**
Maximum Marks	**:**	**100**
Weightage	**:**	**25%**
Last Dates for Submission	**:**	**31st October, 2026 (For July 2026 Session)**
	:	**30th April, 2027 (For January 2027 Session)**

This assignment has three questions of 80 marks. Rest 20 marks are for viva voce. Answer all questions. You may use illustrations and diagrams to enhance the explanations. Please go through the guidelines regarding assignments given in the Programme Guide for the format of presentation.

Q1: **(30 Marks)**

Develop SRS for **Voter Registration System.** SRS should be as per IEEE standard SRS template. Make necessary assumptions.

Q2: **(30 Marks)**

Draw the DFDs upto 3rd level for **Voter Registration System.**

Q3: **(20 Marks)**

Draw ERD for a **Voter Registration System**. Make necessary assumptions.

Q1: (30 Marks)

Develop SRS for Voter Registration System. SRS should be as per IEEE standard SRS template. Make necessary assumptions.

Answer

Software Requirements Specification (SRS) - Voter Registration System

Version 1.0 | Document type: requirements specification | System: Voter Registration System (VRS). The organisation, jurisdiction and operational dates in this academic exercise are assumed rather than taken from an actual election department.

1. Introduction

1.1 Purpose

This SRS describes what the proposed VRS must do and the conditions under which it will operate. It is intended for applicants, registration officers, election supervisors, system analysts, programmers and acceptance testers. It uses the familiar IEEE 830-style structure: Introduction, Overall Description, Specific Requirements and supporting information. Individual functional requirements are numbered so that they can be tested.

1.2 Scope

The VRS provides an online method of applying for inclusion in a local electoral register. A person submits personal details and supporting documents; the system checks mandatory fields, age and possible duplicate entries; a registration officer verifies the evidence and records an approval, rejection or correction request. Approved applications produce a voter record. Applicants can track their cases, and authorised supervisors can produce constituency-wise summaries.

This is a hypothetical academic registration system. It does not conduct electronic voting, count votes, create a legally valid electoral roll without official authorisation, or connect automatically to national identity databases. The proof-validation activities are partly rule-based and partly carried out by authorised officers.