**Experiment 2**

**Prepare an SRS document in line with the IEEE recommended standards for the Faculty Contribution Management System. (Non-Functional Requirements)**

1. **Introduction**

* The Faculty Contribution Management System is a software application designed to streamline and automate the process of tracking, managing, and evaluating faculty contributions within an academic institution.
* This system aims to provide a centralized platform for Journal Publications, Book Publications, Patents, Faculty Development Program and Registered Faculty.

1. **Scope**

* The Faculty Contribution Management System will include the following features:
* Faculty profile management, including personal information, educational background, and professional experience.
* Submission and management of research publications, including journal articles, conference papers, books, and patents.
* Tracking and evaluation of teaching activities, such as courses taught, student evaluations, and teaching awards.

1. **Non-Functional Requirements**

**3.1 Usability**

• The system shall have an intuitive user interface with clear navigation and user-friendly forms for data entry.

• The system shall support multiple languages and be accessible from different devices and browsers.

**3.2 Performance**

• The system shall be capable of handling a large volume of data and concurrent user requests without significant performance degradation.

• Response times for common tasks, such as data submission and report generation, shall be within acceptable limits.

**3.3 Security**

• The system shall implement robust security measures to protect sensitive faculty information, including encryption of data transmission, role-based access control, and regular security audits.

• User authentication shall be based on strong password policies and may include multi-factor authentication for enhanced security.

**3.4 Reliability**

• The system shall be highly available, with minimal downtime for maintenance and upgrades.

• Data integrity shall be ensured through regular backups and data validation checks.

**3.5 Scalability**

• The system architecture shall be designed to accommodate future growth in the number of users and volume of data.

• Scalability options, such as cloud hosting and horizontal scaling, shall be considered for long-term sustainability.