Computer Professionals (Registration Council of Nigeria) CPN

**Technical Report** **Title:** Proposed Technical Report Topics in Computer Information Systems (CIS)

**Course Code & Title:** GCC 3303 - Technical Report

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**Topic 1: Design and Implementation of a Web-Based Student Information Management System**

* **Background:** Student record management in many institutions is still handled manually, leading to inefficiencies, data loss, and difficulty in accessing accurate information.
* **Problem Statement:** Manual record keeping results in delays, errors, and difficulty in decision-making for academic and administrative purposes.
* **Aim & Objectives:**
  + To design and implement a web-based system for storing, retrieving, and managing student data.
  + To improve the accuracy and speed of student record management.
  + To enhance accessibility and security of academic data.
* **Scope:** The system will cover student registration, course records, results management, and report generation.

**Topic 2: The Role of Management Information Systems (MIS) in Enhancing Decision-Making in Organizations**

* **Background:** Organizations require timely and accurate information to make effective decisions, but many struggle due to poor information management practices.
* **Problem Statement:** Lack of efficient MIS reduces the ability of managers to make quick, data-driven decisions.
* **Aim & Objectives:**
  + To examine the role of MIS in organizational decision-making.
  + To identify the benefits and challenges of MIS adoption.
  + To evaluate the impact of MIS on organizational performance.
* **Scope:** The study will focus on case studies of selected organizations using MIS in Nigeria.

**Topic 3: Cybersecurity Challenges in Enterprise Information Systems**

* **Background:** With increasing digitalization, enterprises face major cybersecurity threats that compromise data integrity, confidentiality, and availability.
* **Problem Statement:** Many organizations lack adequate security measures, making them vulnerable to cyberattacks such as phishing, ransomware, and insider threats.
* **Aim & Objectives:**
  + To identify common cybersecurity challenges in enterprise systems.
  + To evaluate their impact on business continuity.
  + To propose strategies for strengthening cybersecurity measures.
* **Scope:** The project will examine threats, vulnerabilities, and mitigation strategies within enterprise information systems.