Proposed Technical Report Topics in Computer Information Systems (CIS)

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.