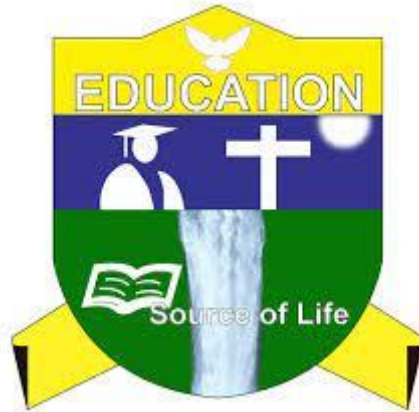


CATHOLIC UNIVERSITY RUAHA  
DEPARTMENT OF COMPUTER SCIENCE



NATURE OF WORK: INDIVIDUAL ASSIGNMENT

YEAR OF STUDY: 2025/2026

COURSE CODE: RMS311

COURSE TITLE: Research methods

INSTRUCTOR: Tumaini Edgar

SUBMISSION DATE: 12/12/2025

NAME OF STUDENT: ALFRED SIMPOLI

REG NUMBER: RU/BCS/2023/116

Question: *From the previous session, take any paper from Google Scholar of your choice and answer the following question 1. Summarize the Introduction 2. The name of the paper with the author's name 3. Summarize the problem statement 4 Provide the objectives 2. Summarize the problem statement 3. Provide the gap of the paper*

## **1. Title and Author**

Paper Title: ICT as a Tool for Improving Academic Performance in Higher Education

Authors: Dr. Mrinal Kanti Das & Alauddin Middy (2025)

## **2. Summary of the Introduction**

The introduction of this paper explains how Information and Communication Technology (ICT) has become an essential component in modern education systems. The authors highlight that ICT tools such as e-learning platforms, online classes, and digital learning resources have transformed traditional teaching methods. ICT provides interactive and flexible learning environments, allowing students to access educational materials easily, collaborate with peers, and receive timely feedback. The paper also emphasizes that ICT helps teachers adopt more learner-centered approaches, which ultimately enhance student engagement and performance.

## **3. Problem Statement**

The main problem identified in this study is that despite the availability of ICT and its proven potential to improve students' academic performance, its implementation in many educational institutions remains limited. Barriers such as inadequate ICT infrastructure, lack of digital skills among teachers and students, and inconsistent usage patterns prevent ICT from being fully effective. In short, there is a gap between ICT investment and its real impact on improving poor academic performance.

## **4. Objectives of the Study**

1. To examine the impact of ICT tools on students' academic performance in higher education.
2. To identify which ICT tools and software are most effective in teaching and learning.
3. To analyze teachers' and students' perceptions of ICT use in education.
4. To explore the challenges and barriers affecting the successful implementation of ICT in learning institutions.

## **5. Research Gap**

The study points out that although previous research has shown the benefits of ICT, there is still a lack of in-depth understanding of how ICT is practically applied to improve poor academic performance. Few studies have explored how social, technical, and policy factors affect the use of ICT in education. Therefore, this paper identifies a clear research gap: the need for more detailed studies on the effective integration of ICT into teaching practices and strategies to overcome barriers that limit its educational impact.