

SDSC8001: SEMINARS ON DATA SCIENCE I

Effective Term

Semester A 2025/26

Part I Course Overview

Course Title

Seminars on Data Science I

Subject Code

SDSC - Data Science

Course Number

8001

Academic Unit

Data Science (DS)

College/School

College of Computing (CC)

Course Duration

Two Semesters

Credit Units

0-1

Level

R8 - Research Degree

Medium of Instruction

English

Medium of Assessment

English

Prerequisites

Nil

Precursors

Nil

Equivalent Courses

Nil

Exclusive Courses

Nil

Part II Course Details

Abstract

This course aims to

- help students to discover and critically apply the research approach and methodology for carrying out research works
- broaden students' knowledge in various areas of data science by attending seminars given by experts
- strengthen the presentation and communication skills through oral presentation and discussion with their fellow students

Course Intended Learning Outcomes (CILOs)

CILOs		Weighting (if app.)	DEC-A1	DEC-A2	DEC-A3
1	Recognize and understand the different research methodologies in various areas of data science and advance knowledge by conducting literature search.	50	x	x	
2	Clearly articulate and describe the research problems and the solutions in some subject areas as presented in the seminars.	30	x	x	x
3	Formally summarize research findings in specific topic(s).	20	x	x	x

A1: Attitude

Develop an attitude of discovery/innovation/creativity, as demonstrated by students possessing a strong sense of curiosity, asking questions actively, challenging assumptions or engaging in inquiry together with teachers.

A2: Ability

Develop the ability/skill needed to discover/innovate/create, as demonstrated by students possessing critical thinking skills to assess ideas, acquiring research skills, synthesizing knowledge across disciplines or applying academic knowledge to real-life problems.

A3: Accomplishments

Demonstrate accomplishment of discovery/innovation/creativity through producing /constructing creative works/new artefacts, effective solutions to real-life problems or new processes.

Learning and Teaching Activities (LTAs)

LTAs		Brief Description	CILO No.	Hours/week (if applicable)
1	Seminar participation	Students will attend the seminars regularly, and participate in the discussion and possibly raising questions.	1	1 hour/ week
2	Seminar presentation and writing	Students will work on one report on a chosen research problem and the associated findings, and make one seminar presentation of the report if needed.	2, 3	

Assessment Tasks / Activities (ATs)

ATs		CILO No.	Weighting (%)	Remarks ("- " for nil entry)	Allow Use of GenAI?
1	Attendance in seminars	1	50	-	No

2	Report writing and seminar presentation	2, 3	50	-	No
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Continuous Assessment (%)

100

Examination (%)

0

Assessment Rubrics (AR)**Assessment Task**

Attendance in research seminars

Criterion

Attendance of at least 12 departmental seminars and active participation in the seminar discussions.

Pass (P)

(P) Pass

Failure (F)

(F) Fail

Assessment Task

Report writing and seminar presentation

Criterion

Ability to write a report and make a seminar presentation.

Pass (P)

(P) Pass

Failure (F)

(F) Fail

Part III Other Information

Keyword Syllabus

- Independent study
- Literature search
- Communication and presentation skills

Reading List**Compulsory Readings**

Title	
1	Nil

Additional Readings

Title	
1	Nil