COURSE TITLE	**SEMINAR**
COURSE CODE	**01AL0503**
COURSE CREDITS	**1**

Objective:

1 The course aims to develop students' ability to explore and present research in AI, ML, and Data Science, enhance technical communication skills, analyze research papers, and create effective digital technical content using modern tools.

Course Outcomes: After completion of this course, student will be able to:

1 Present AI/ML/DS concepts effectively through structured technical presentations (Understand & Apply)

2 Critically review and interpret research papers and case studies (Analyze)

3 Create digital technical content (video/podcast/blog) for AI topics (Apply & Create)

4 Demonstrate professional communication and referencing standards (IEEE/ACM) (Apply)

Pre-requisite of course:NA

Teaching and Examination Scheme

Theory Hours	Tutorial Hours	Practical Hours	ESE	IA	CSE	Viva	Term Work
0	0	2	0	0	0	25	25

Contents : Unit	Topics	Contact Hours
Total Hours		

Suggested List of Experiments:

Contents : Unit	Topics	Contact Hours
1	**Practical 1** Research paper selection and summary	2
2	**Practical 2** Literature review report preparation	2
3	**Practical 3** IEEE referencing practice	2
4	**Practical 4** AI-based presentation creation using tools like Canva AI, Google Gemini and other advance AI tools	2
5	**Practical 5** Technical PPT design evaluation	2

DR. TARANNUM ALIMAHMAD BLOCH
Digitally signed by (Name of HOD)

DR. RAJENDRASINH BAHADURSINH JADEJA
Digitally signed by (Name of Dean/ Principal)

Suggested List of Experiments:

Contents : Unit	Topics	Contact Hours
6	**Practical 6** Peer review of presentations	2
7	**Practical 7** Dataset-based explanation presentation	2
8	**Practical 8** Dataset-based explanation presentation	2
9	**Practical 9** YouTube technical video creation	2
10	**Practical 10** Blog writing on AI topic	2
11	**Practical 11** Research gap identification	2
12	**Practical 12** Research paper draft	2
Total Hours		**24**

Textbook :

1 The Craft of Research, Wayne C. Booth, Gregory G. Colomb, Joseph M. Williams, University of Chicago Press, 2016

2 Presentation Zen, Garr Reynolds, New Riders, 2011

References:

1 How to Read a Paper, How to Read a Paper, Trisha Greenhalgh, Wiley, 2019

2 Writing for Computer Science, Writing for Computer Science, Justin Zobel, Springer, 2014

3 TED Talks, TED Talks, Chris Anderson, Houghton Mifflin Harcourt, 2016

4 Research Methodology: Methods and Techniques, Research Methodology: Methods and Techniques, C.R. Kothari, New Age International, 2004

Suggested Theory Distribution:

The suggested theory distribution as per Bloom's taxonomy is as follows. This distribution serves as guidelines for teachers and students to achieve effective teaching-learning process

Distribution of Theory for course delivery					
Remember / Knowledge	**Understand**	**Apply**	**Analyze**	**Evaluate**	**Higher order Thinking / Creative**
5.00	20.00	35.00	20.00	10.00	10.00

DR. TARANNUM ALIMAHMAD BLOCH
Digitally signed by (Name of HOD)

DR. RAJENDRASINH BAHADURSINH JADEJA
Digitally signed by (Name of Dean/ Principal)

Instructional Method:

1. The course delivery method will depend upon the requirement of content and need of students. The teacher in addition to conventional teaching method by black board, may also use any of tools such as seminar-based learning, peer learning & review, flipped classroom approach, and AI-assisted content creation tools
2. The term work evaluation will be done on the basis of continuous evaluation of students in the laboratory.
3. Students will use supplementary resources such as online videos, NPTEL videos, e-courses, Virtual Laboratory

DR. TARANNUM ALIMAHMAD BLOCH
Digitally signed by (Name of HOD)

DR. RAJENDRASINH BAHADURSINH JADEJA
Digitally signed by (Name of Dean/ Principal)