Dr. A. Q. Khan Institute of Computer Sciences & Information Technology, (KICSIT)

Department of Computer Engineering

Artificial Intelligence Lab

No.	*Artificial Intelligence (Lab) CLO's*	*Bloom's Taxonomy Level*	*PLOs*	*All Rubrics of Artificial Intelligence Lab*				
				Marks	***1***	***2***	***3***	***4***
1	**Practice** basics concepts of python programming language to analyze and solve the complex problems.	P-3 (Guided Response)	*2*	**Coding**	The code is not as per guidelines and requirements are not met	Some section of code is correct	Most section of code is correct and understands it well	The code is properly written, and have good understanding about it
2	**Make** artificial intelligence-based models on different datasets to produce efficient results on real world problems.	P-4 (Mechanism)	*3*	**Model Implementation**	The model is not implemented as per guidelines and requirements are not met	Some section of model is correctly implemented	Most section of model is correctly implemented and understands it well	The model is properly implemented, and have good understanding about it
3	**Practice** different Machine Learning models and data pre-processing techniques on modern tools for advance data processing.	P-3 (Guided Response)	*5*	**Data Pre-processing**	The data is not pre-processed as per guidelines and requirements are not met	Some section of data pre-processing is correct	Most section of data pre-processing is correct and understands it well	The data pre-processing is done properly, and have good understanding about it
4	**Formulate** the strategy in a group to convert the implemented AI models in a real time application.	A-4 (Organization)	*10*	**Team Work**	Rarely listens to, shares with, and supports the efforts of others. Often is not a good team member.	Often listen to, shares with and supports the efforts of others, but sometimes is not good team member.	Usually listen to, shares with, and supports the efforts of others. Usually, respectful and listening actively	Almost always listens to, shares with and supports the efforts of others. Tries to keep people working well together.

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RELEVANT PROGRAM LEARNING OUTCOME:
The course is designed so that students will achieve the PLOs:

1. **PLO-02: Problem Analysis**: An ability to identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.

2. **PLO-03: Design/ Development of Solution:** An ability to design solutions for complex engineering problems and design systems, components or processes that meet specified needs with appropriate consideration for public health and safety, cultural, societal, and environmental considerations.

3. **PLO-05: Modern Tool Usage:** An ability to create, select and apply appropriate techniques, resources and modern engineering and IT tools, including prediction and modeling to complex engineering activities, with an understanding of the limitations.

4. **PLO-10: Communication**: An ability to communicate effectively, orally as well as in writing, on complex engineering activities with the engineering community and with society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.