Sukkur IBA University
Department of Computer Science

CS 350: Artificial Intelligence (3+1): BS(CS+SE) 6 Spring 2022

Assignment 2: A deployable machine learning/Artificial Intelligence project.	
CLO-3: Implement state of the art techniques in applications that involve perception, reasoning, and learning	
Maximum Marks: 50	Instructor: Asif Ali
Announcement Date: 1st June 2022	Due Date : 6th June 2020 11:59 pm on eLearning

Instructions:

- You are required to provide at-least 800 words document as report (no code in the .docx file).
- Plagiarism is strictly prohibited, therefore be creative and try to write in your own words.
- You are prermitted to use code publically availible from the internet **however in this case you have to highlight your contribution within the original code** and your marks will be decided similarly.
- In case someone **forgets to mention the source of the publically availble code** it will be assumed that it is their own effort, and it is found later on that it was copied then he/she will be assigned zero marks.
- Maximum of **three students** can do this project and you are expected to highlight individual contribution in the form of table.
- No late submissions will be expected after the due date/time.
- It is worth mentioning that this is your Project as well as Assignment 2, so I am expecting that your submitted document should reflect your dedication etc appropriately.

Background and Tasks:

In this assignment/project, you are expected to **develop** an end-to-end deployable project which contains some form of Artificial intelligence/Machine learning and expert system. You are allowed to use pre-trained model and/or dataset to design your project. However in your report document, you are expected to write down following sections.

- Introduction
- Methodology (in which you will explain workings of the AI/ML model)
- Evaluation (where you will be explaining the testing of your system with screenshots)

Deliverable:

- Upload your PDF document from above to **Assignment 2 submission** on LMS
- Submit your .ipynb file separately (in which you trained the model) to **Assignment 2 Code Submission (project folder)** on LMS.
- Folder containing all deploy-able code alongwith ML-models you have used.