

Guideline for MS Projects in Artificial Intelligence, Machine Learning, and Data Science

Students are required to meet the specific requirements for MS projects in the areas of Data Science such as Artificial Intelligence, Machine Learning, Data Mining and Visualization, etc.

1. A proper topic should satisfy one of the following objectives:
 - a. To solve, using different methods and models, an original problem that has not been published.
 - b. To solve an existing problem with a different approach that, compared to state-of-the-art models, achieves statistically significant results (e.g., accuracy, performance, etc.).
2. Comparative experiments must be conducted to demonstrate the superiority of the proposed model(s) by showing statistically significant results through comparison either with the original solutions/implementations for an original problem or with state-of-the-art models for an existing problem with prior published works.
3. The project should involve non-trivial coding. The following should be made available to the project committee for code verification and reproducing experiments and results.
 - i. Well-documented source code.
 - ii. Clear instructions that describe how to run (train and test) the code.
 - iii. Sufficient datasets for reproducing the results.
4. Students are encouraged to publish their work in a peer-reviewed conference. Generally speaking, a conference publication is a strong indicator of a quality MS project in this field.

I, student, (print name) _____,
have read, understood, and agreed upon the above stated requirements.

Student Signature: _____

Date: _____

Name of Project Supervisor: _____