

**Faculty of Engineering & Technology Electrical & Computer Engineering Department**

**ARTIFICIAL INTELLIGENCE**

**ENCS3340**

**Topic Selection with Abstract**

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**Date:**  2024/10/20

# Arabic Named Entity Recognition (ANER)

Named Entity Recognition (NER) plays a crucial role in understanding and processing Arabic text, particularly in identifying entities such as time, location, and person names. This project aims to implement an Arabic NER system using Python. The datasets utilized include ANERCorp, AQMAR, and ACE Arabic, which provide annotated examples of various named entities. The objective is to develop a model that accurately identifies and classifies these entities from raw Arabic text, enhancing information extraction capabilities. Expected results include improved entity recognition accuracy and the generation of valuable insights from the analyzed data.