**BLM4800 Introduction to Data Mining - Project Proposal Form**

Project work can be done individually or as a team work. Groups can be up to 3 people. As the number of group work increases, the scope of the project is expected to expand.

The following information about your project proposal should be filled in and a copy of this file should be uploaded to the Online.yildiz.edu.tr system. Only one student from the group needs to upload the Project Proposal form. Due date of the Project Proposal: Sunday, April 16, 2023.

**Name of Team member(s):** Ahmet Akib GÜLTEKİN, Muhammet Kayra BULUT, Sait YALÇIN

**Name of Proposed Project: Chatbot about Computer Science(TechTalk)**

**Purpose of the Project (1 paragraph):** TechTalk is a chatbot application that provides an accessible platform for people who are new to computer science or curious about the field. The chatbot is designed to help users gain a general understanding of computer science by answering their questions about various topics in the field, including basic concepts, programming languages, and artificial intelligence. With TechTalk, users can explore the world of technology and gain a basic understanding of computer science concepts in an engaging and interactive way

**Project Steps and potential Methods to be Used (paragraph 1-2):**

We are planning to create a chatbot using deep learning techniques. The plan is to train the chatbot on a dataset that contains categories (intents), models, and responses. Our approach will be to use a specialized type of neural network known as Long Short-Term Memory (LSTM) to classify the user's message into a particular category and generate a response accordingly.