**PROJECT DESCRIPTION**

**Project title:**

An Intelligent NLP Based Knowledge Extraction and Recommender System

**Project description (typically 100 words):**

The Intelligent NLP Based Knowledge Extraction and Recommender System is an advanced AI solution designed for an e-commerce platform. It employs state-of-the-art natural language processing techniques to comprehend and address product-related customer inquiries efficiently, which provides customers with the two services of answering product-related questions and recommending related products.Leveraging its intricate understanding of user behaviors and preferences, the system provides personalized product recommendations, stimulating customer engagement and sales.

The basic system will consist of the following components: a front-end user interface, a query understanding and answer generation module, and a recommendation system module.The optional lifting module is the voice input. It may also build ai voice modules that will introduce open licensing for content reply.

**List of requirements (objectives):**

Essential

* Users could be able to perform basic keyword search on the extracted data.
* Login and Registration function
* Users can query their own history to ask questions
* The system can make similar recommendations based on the selected goods

Recommended

* Users can make input queries with speech
* i18n multi-language interface support
* tracks individual users' interactions, likes, dislikes to offer more tailored recommendations and answers.

Optional

* ai voice packet reply
* Sentiment Analysis could gauge customer sentiment based on their reviews and feedback. That could be used for improving product recommendations and customer service.
* Query content in multiple languages