**Artificial Intelligence Semester Project Proposal**

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| Title of the Project | Typing Partner | | | | | |
| Class/Section | BSCS-6B | | | | | |
| Details of Group Members | Name: | Saad Hassan | | | Ahmad Hassan | |
| Enrolment: | 01-134191-024 | | | 01-134191-002 | |
| Which real world problem shall be solved by the project? | We are creating project that gives suggestions to user while typing based on their own writing style by learning from the users messages that were sent on WhatsApp. | | | | | |
| Brief Project Description (what, how, scope, and objectives) | Typing Partner is an AI based browser extension that will help users to write more in less time by giving them more accurate suggestions by learning from previous texts written by the user.  Typing Partner will be trained by looking at WhatsApp chat history. And then it will give autocomplete suggestions to user while writing.  It will be completely private.  As there are no suggestions provided to people on browser, we will provide the facility of autocompleting the sentence through Typing Partner with the help of AI.  Objective:   * To help user write more in less time. * To give user writing suggestions based on their own writing style * To help user make less mistakes * To help user think less while writing | | | | | |
| Project mainly lies in which of the given AI streams?  (Tick the most relevant) | Machine Learning | | Checkmark with solid fill | Expert Systems | |  |
| Gaming | |  | Heuristic Search | |  |
| Uninformed Search | |  | Other (which?) | | Natural Language Processing (NLP) |
| Tentative Tools and Techniques to be used: | * Finetune DistilGPT2 will be used on WhatsApp chat * Chrome or Firefox extension will be used for WhatsApp web | | | | | |
| Dataset (if Any), provide source as well | Dataset will be the user’s WhatsApp chat history which will be extracted on the time of training | | | | | |

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| Main steps involved (Tentative flowchart/schematic diagram/overview): |

**Submission Details:**

Fill this form and accordingly prepare a 5-minute presentation (no more than 2-3 slides) to describe your proposed semester project for the course. Upload both in the LMS before your respective labs:

BSCS 6A: **Monday 29th November 2021**

BSCS 6B: **Tuesday 30th November 2021**