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| **SEMESTER** | | | | **FALL 2020** | | | **YEAR** | | | | **2020-2021** | |
| **TITLE OF PROPOSED PROJECT** | | | | | | | | | | | | |
| **Sentiment Analysis on Students Feedback** | | | | | | | | | | | | |
| **Project Category (choose one)** | | | | | **□ Product based** | | | | | **□ Research-based** | | |
| **SUPERVISOR INFORMATION** | | | | | | | | | | | | |
| **Supervisor Name:** | | |  | | | | | | **Organization/**  **Designation** | | |  |
| **Contact No:** | | |  | | | | | | **email:** | | |  |
| **STUDENT(S) INFORMATION** | | | | | | | | | | | | |
| **S#** | **Student ID** | | | | | **Name** | | | | | | |
| **1** | **7643** | | | | | **Aqeel Mehmood** | | | | | | |
| **Contact No:** | | **0316-8935481** | | | | **email:** | | **Aqeelmehmood82@gmail.com** | | | | |
| **2** | **7488** | | | | | **Muhammad Zeeshan Iqbal** | | | | | | |
| **Contact No:** | | **0333-2007240** | | | | **email:** | | **Shezokhan5242@gmail.com** | | | | |
| **PROJECT AREA/TOOLS** | | | | | | | | | | | | |
| **Tools Required:** | | | Anaconda Navigator/PyCharm | | | | | | | | | |
| **Area/Specialization:** | | | Data Science with Machine Learning & NLP | | | | | | | | | |
| **SUMMARY OF PROPOSED PROJECT (MAXIMUM 300 WORDS)** | | | | | | | | | | | | |
| **In education system, students' feedback is important to measure the quality of teaching. Students' feedback can be analyzed using to identify the students' positive or negative attitude. In most of the existing teaching evaluation system, the intensifier words and blind negation words are not considered. The level of opinion result isn't displayed: whether positive or negative opinion. To address this problem, we propose to analyze the students' text feedback automatically to predict the level of teaching performance. A database of English sentiment words is created as a lexical source to get the polarity of words. By analyzing the sentiment information including intensifier words extracting from students' feedback, we are able to determine opinion result of teachers, describing the level of positive or negative opinions. This system shows the opinion result of teachers that is represented as to whether strongly positive, moderately positive, weakly positive, strongly negative, moderately negative, weakly negative or neutral.** | | | | | | | | | | | | |
| **PROJECT OBJECTIVE(S)/OUTCOMES** | | | | | | | | | | | | |
| **In this project, sentiment analysis will be used to evaluate the level of teaching performance from students' textual feedback comment. A database of English sentiment words is constructed to identify the polarity of words as a lexical source. Our sentiment word database contains the opinion words concerning with the academic domain to achieve the better result. Every opinion word in the database is given a value. The sentiment value will have a rang. This project proposes the level of teaching evaluation method. This method analyzes automatically the students' feedback comments to strongly negative, or moderately negative, or weakly negative, or strongly positive, or moderately positive, or weakly positive or neutral category using two lexicons. The level of opinion result for any teacher is given out from students' feedback comments.** | | | | | | | | | | | | |
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| **FUNCTIONAL FEATURES** |

**For FYP 1:**

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| * **Collecting Data** * **Cleaning Data** * **Creating Database** * **Subtracting Intensifier Words** * **Applying Lexical Source** * **Applying Sentiment Analysis** |

**For FYP 2:**

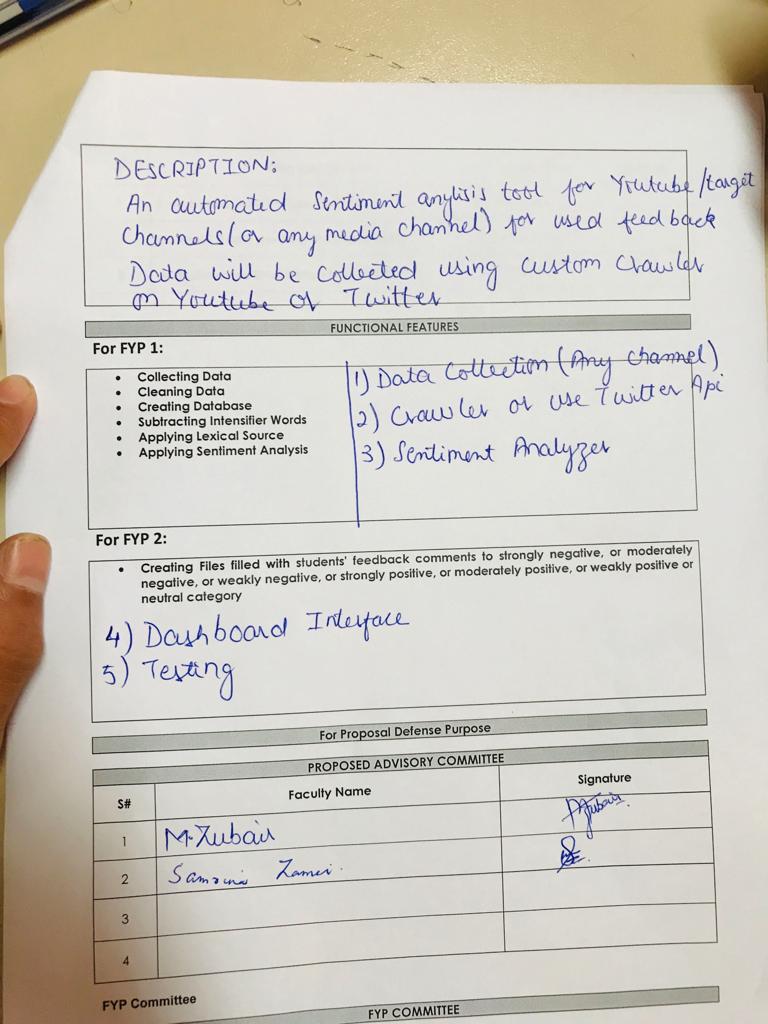
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| * **Creating Files filled with students' feedback comments to strongly negative, or moderately negative, or weakly negative, or strongly positive, or moderately positive, or weakly positive or neutral category** |

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| **For Proposal Defense Purpose** |

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| **PROPOSED ADVISORY COMMITTEE** | | |
| **S#** | **Faculty Name** | **Signature** |
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| 2 |  |  |
| 3 |  |  |
| 4 |  |  |

**FYP Committee**

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| **FYP COMMITTEE** | | | |
| **S#** | **Member(s) Name** | **Designation** | **Signature** |
| **1** | **Syed Nabeel Ali (FYP Coordinator)** | Lecturer |  |
| **2** | **Mr. Kashif Bashir (Head of the Department)** | Asst. Professor |  |
| **3** | **Dr. Muhammad Khalid Khan (Director CoCIS)** | Professor |  |
| **Date** | | 00/00/0000 | |

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