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| **Personal Information:** | | | |  | | | | | |  | | | | |
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| **Completed Course** | | | | | **Ongoing Course** | | | | | | | | | | |
| **Course Code** | | | **Grade (Letter Grade)** | | **Course Code** | | | **Exam Held (Yes/No)** | | | | | | | |
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| **Tentative Thesis Information:** | | | | |
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| **Research Area** | **:** | **Machine Learning, Sentiment Analysis, Text categorization** | | |
| **Tentative Thesis Title** | **:** | **A multi-modal approach for classification of fake online reviews.** | | |
| **Thesis Abstract** | **:** |  |  |  |
| Online reviews are very important in today’s e-market system. Fake online review detection is very much important for both consumers as well as the businessmen. Various approaches have been taken by the researchers, mostly based on the review text and the behaviors of the reviewer. For classification, supervised and semi-supervised learning have been suggested by some researchers. As classifier, several liner and non-linier classifiers like KNN, SVM, Naive Bayes have been used by most of the researchers. Also, some researchers have used Neural Network based classification techniques like CNN, RNN. In our thesis work, we will try to develop a multi-modal classification technique that will use both text and reviewer’s characteristics to enhance the performance of the detection of fake online reviews. | | | | |

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| **Supervisor(s) Details:** | | |  | |  |
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| Principle Supervisor | **:** | **Prof. Dr. Md. Rabiul Islam** | |  | |
| Co-Supervisor | **:** |  | |  | |

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| **Student’s**  **Signature** | | | **Course Advisor’s**  **Signature** | | | **Head of the Department’s**  **Signature** | | |