**CLASS: TE-AIML**

**Literature Review Summary**

**Seminar Topic Name:**

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| Sr. No. | Paper Title | Author Name | Year of Publication | Journal/ Conference Name | Objective/ Purpose of Paper | Methodology/ Techniques Used | Analysis/ Result | Research Gap/ Limitations of Existing System | Future Work |
| 1. | Fake News Detection Using Machine Learning Approaches | Z Khanam et al. | 2021 | IOP Conference Series: Materials Science and Engineering | Explores traditional machine learning models.  Aims to classify fake news using Python and NLP. | Uses Python scikit-learn for tokenization and feature extraction.  Employs Count Vectorizer and Tiff Vectorizer.  Uses feature selection methods | achieving highest precision from confusion matrix. | Manual detection is not feasible.  Suggests automated system for credibility scorin | Proposes a model to detect authentic or fake articles. |
| 2. | A Comprehensive Review on Fake News Detection With Deep Learning | M. F. MRIDHA,  MD. ABDUL HAMID | 2021 | IEE | Investigates advanced fake news detection mechanisms. | NLPtechniques,  deep learning-based techniques | Emerging deep learning approaches were absent. | Previous reviews lacked exploration of deep learning | Suggests recommendations to improve detection mechanisms. |
| 3. | Fake News Detection: Current Trends and Future Research Directions | Ahmad et al. | 2022 | Elsevier | Information Processing & Management | Analytical study of existing methods | Emerging trends analyzed | Lack of  Multilin-  gual  datasets | Research in multilingual fake news detection |
| 4. | Beyond News Contents: The Role of Social Context for Fake News Detection | Kai Shu, Deepak Mahudeswaran, Huan Liu | 2023 | WSDM ACM | Explore user engagement signals for fake news detection | Graph mining, Social context analysis | Improved detection with social features | Focus only on social media, missing non-social sources | Integration of heterogeneous data sources |

Submitted by

Name of Student:

Roll Number: