



Subject: Seminar topic name

Seminar Title: AI Powered Fake News Detection		
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Abstract: In the quickly changing and information-rich world of today, spotting fake news has become essential to maintaining reliable communication. Current methods for detecting fake news frequently fail to provide scalable, data-driven, and highly accurate solutions. This project introduces an artificial intelligence (AI)-based fake news detection system that uses machine learning to assess news articles' authenticity based on content structure, linguistic patterns, and the reliability of the source. Text preprocessing, feature extraction, and classification using algorithms like Random Forest, XGBoost, and Support Vector Machines (SVM) are all part of the platform's multi-step workflow. The model also incorporates clustering methods, such as K-Means, to find trends across various news categories. Explainable AI techniques and visual analytics are used to increase openness and foster confidence in forecasts. Additionally, In order to continuously adjust to the changing strategies of disinformation campaigns, the system also incorporates real-time updates and feedback mechanisms.		

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