DEPARTMENT OF APEX INSTITUTE OF

TECHNOLOGY

**PROJECT PROPOSAL**

**1. Project Title: -** Machine Learning-based An Optimized Fake News Detection (FND) System

# Project Scope: -

The project scope of a machine learning-based optimized fake news detection (FND) system involves using machine learning algorithms to detect and classify fake news on social media platforms. The system will use natural language processing techniques to analyse the text of news articles and identify patterns that indicate whether the article is real or fake. The system will also use deep learning architectures such as CNN-RNN models to process text and classify it as real or fake. The project aims to develop a python-based application that can detect fake news with high accuracy using machine learning algorithms such as MSVM.

The goal of this project is to develop a reliable and accurate FND system that can help users differentiate between real and fake news, thus promoting responsible journalism and informed decision-making.

# Requirements: -

* Hardware Requirements
  1. RAM: 8GB or higher
  2. CPU: i3th 8th Gen or higher

* Software Requirements

1.Jupyter Notebook

2.MS Excel

## STUDENTS DETAILS

|  |  |  |
| --- | --- | --- |
| **Name** | **UID** | **Signature** |
| Mohit Gupta | 20BCS6574 |  |
| Aryan Chaudhary | 20BCS6620 |  |
| Chirag Kalra | 20BCS6601 |  |
| Kartikey | 20BCS6693 |  |

## APPROVAL AND AUTHORITY TO PROCEED

We approve the project as described above, and authorize the team to proceed.

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| **Name** | **Title** | **Signature**  **(With Date)** |
| Siddharth Kumar | Supervisor |  |