# SCHOOL OF COMPUTING SCIENCE & ENGINEERING



**PROJECT APPROVAL FORM AND ABSTRACT Odd 2024-2025**

**B. Tech**

**Project Details:**

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| --- | --- | --- | --- |
| **Title** | Fake News Classification | | |
| **Project Type** | **Community based design problem (Interdisciplinary)**  **Sustainable development goal**  **App Development / Utility**  **IOT/Hardware based**  **AI/ML/Data Science**  **Healthcare Projects** | **Project Outcome** | **Project and Research Paper Project and Patent**  **Project and Book Chapter** |
|  | **SCOPUS Journal** |  | |
| **Publication Target** | **SCOPUS Conference**  **SCOPUS Book Chapter** | **Guide Name:** Mr. Mandeep Kumar | |
|  | **SCI Journal** |  | |

**Student Details:**

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| --- | --- | --- | --- | --- | --- |
| **S.**  **No** | **Name** | **Enrollment Number** | **Admission Number** | **Program**  **/ Branch** | **Sem** |
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**Guide Lines for One Page Abstract:**

1. Project Title should be in bold letters maximum of two lines, and the font must be in Times New roman with the size of 22 and it should be in center alignment.
2. The Abstract should have minimum of 200 words and maximum of 250 words.
3. The Abstract should be in Justify alignment, and the font must be in Times New roman with the size of 14 and the line spacing must be in 2.0 exactly.
4. Please refer the next page for the Abstract format.

**Fake News Classification**

In today's digital era, the rapid dissemination of fake news presents a pressing challenge, eroding public trust and distorting societal discourse. This study focuses on developing effective machine learning models for classifying fake news from legitimate sources. By leveraging advanced data science techniques, the aim is to enhance the accuracy and reliability of automated detection systems. The project addresses several critical objectives: firstly, to improve the identification of misleading or fabricated content by analyzing textual features, linguistic patterns, and contextual cues. Secondly, to mitigate the harmful impact of misinformation on public opinion and societal stability. Thirdly, to bolster media literacy and empower individuals with tools to critically evaluate information sources. Existing fake news detection systems often struggle to keep pace with evolving tactics used by those spreading misinformation, such as deepfakes and sophisticated linguistic manipulations. This study seeks to bridge these gaps by exploring innovative algorithms and robust features that can adapt to new forms of deceptive content. The outcomes of this research are pivotal for safeguarding the integrity of information in the digital age. Effective fake news classification not only helps restore trust in online content but also protects vulnerable populations from manipulation. By addressing this critical issue, the study aims to contribute to a more informed and resilient society capable of navigating the complexities of digital information responsibly.

# Signature of Student Signature of Guide