**PROPOSED SYSTEM**

In the proposed system for "Deepfake Face Detection Using Deep InceptionNet Learning Algorithm," we aim to overcome the limitations of existing systems. We will employ an enhanced deep learning approach, combining InceptionNet and other state-of-the-art CNN architectures. To improve generalization, we will curate a diverse and extensive dataset of deepfake and genuine content. Our system will incorporate multi-modal analysis, including facial landmarks and audio features, to enhance detection accuracy. Real-time processing capabilities will be a priority, enabling quick identification of deepfake content in video streams. We will also focus on model explainability and fairness to mitigate biases. Regular updates and close collaboration with the research community will ensure our system's effectiveness against evolving deepfake techniques, while respecting privacy and ethical considerations.

**ADVANTAGES**

**Enhanced Detection Accuracy**: By combining InceptionNet with other advanced CNN architectures and employing multi-modal analysis, the system improves accuracy in identifying deepfake content, reducing both false positives and false negatives.

**Real-Time Processing**: The system is designed for real-time deepfake detection, making it suitable for applications that require immediate identification of manipulated content, such as live video streams or social media monitoring.

**Generalization and Robustness**: Through a diverse and extensive dataset, the system is better equipped to generalize to new and evolving types of deepfakes, enhancing its robustness and adaptability.

**Model Explainability and Fairness**: The system prioritizes model interpretability and fairness, addressing ethical concerns and biases in deepfake detection, making it more transparent and equitable.

**Ongoing Adaptation**: Regular updates and collaboration with the research community ensure that the system remains effective against the latest deepfake generation techniques, making it a proactive defense against the rapidly evolving landscape of deepfake content.