School of Computer Science and Engineering (SCOPE)

B.Tech. CSE - BCSE498J Project-II/ CBS1904 - Capstone Project

Applicable for all B. Tech. Programme of 2021 batch

AY: 2024-2025   **Semester: Winter**

GUIDE CONSENT FORM

Guide Particulars:

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Name and Address of the Company (**for non-CDC only**)	
Name, email ID and Address of the External Guide (**for SAP only**)	
Start date and End date (**for non-CDC / SAP only**)	

Project Team Information:

Register No.(s)	Name(s) of the Student	Mobile No.	Email ID (other than VIT)
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Title : **Video Editing Using Ai**

Abstract

The rapid advancement of artificial intelligence (AI) has significantly transformed the video editing industry. This project focuses on leveraging AI to automate and enhance various aspects of video editing, reducing manual effort and improving editing efficiency. By incorporating machine learning, computer vision, and natural language processing, the project aims to develop an AI-powered video editing system capable of performing tasks like scene detection, automatic cutting, color correction, object tracking, speech recognition, and video summarization.

The AI system will analyze raw video footage, identify key moments, and automatically perform editing tasks such as trimming, transitions, and enhancing visual quality. It will also offer features like speech-to-text for subtitles and voiceovers, facial recognition for focus adjustment, and context-based recommendations for editing style. The system will be adaptable to various video types, such as vlogs, tutorials, or corporate videos, and provide users with personalized edits based on preferences.

This project seeks to streamline the video production process, making high-quality editing accessible even to users without extensive editing skills. By automating routine tasks, the AI will save time for creators, allowing them to focus on content creation and creativity. Additionally, the system's intelligent features will help optimize video content for audience engagement and quality, making it a valuable tool for both amateur and professional video producers.

In summary, this project aims to demonstrate the potential of AI in revolutionizing video editing, offering an intuitive, efficient, and scalable solution for content creators across industries.

For Guides:

- **Guide Approved on VTOP : Yes / No**
- **Verified Title and Abstract : Yes / No**
- **Available for all the reviews : Yes / No**

For Students:

- **Guide Finalized for Non-CDC Category   : Yes / No / NA**
  (Other categories choose NA)
- **Available for all the reviews : Yes / No**

Signature of the Students   **Signature of the Guide with date**

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