



# Birla Institute of Technology and Science, Pilani

## Work Integrated Learning Programmes Division

Pilani Campus

**Prof. Neha Vinayak**

Assistant Professor (Off Campus)

Department of Computer Science and Information Systems

Date: 16-July-2025

### TO WHOM IT MAY CONCERN

I am pleased to write this letter of recommendation for Kumkum Mishra, who worked under my supervision as a Summer Intern at Department of Computer Science and Information Systems, Birla Institute of Technology and Science Pilani (Off-Campus, Delhi) on the project titled "**Robust Semantic Segmentation for Indian Roads Under Adverse Weather Conditions Using CNN and Transformer Models**", from 15-April-2025 to 15-July-2025.

During this period, Kumkum demonstrated exceptional skills in conceptual understanding of deep learning principles, implementation of CNN and Transformer-based segmentation models, and systematic experimentation on real-world road scene datasets. She quickly adapted to our work environment and showed a high level of curiosity, commitment, and problem-solving ability.

One of the notable contributions made by Kumkum in this project is her independent and systematic execution of the entire semantic segmentation pipeline, along with detailed experimentation and analysis of multiple models to evaluate robustness under varying weather conditions.

Beyond technical competence, Kumkum consistently exhibited excellent teamwork, communication, and professionalism. She was proactive in seeking feedback, open to learning, and demonstrated maturity beyond academic level.

I am confident that Kumkum will bring the same enthusiasm and diligence to any organization she works with. I strongly recommend her for any future academic or professional endeavour she chooses to pursue.

Sincerely,

Neha Vinayak