



भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान भोपाल

Indian Institute of Science Education and Research Bhopal

डेटा विज्ञान एवं अभियांत्रिकी विभाग

Department of Data Science and Engineering

दिनांक - _08_ / 08_ / 2025_

TO WHOMEVER IT MAY CONCERN

This is to certify that **M/S Jiya Sinha (Roll No- 22161), BS-MS student**, has successfully completed **Summer Internship** under my guidance at the **Advanced Signal and Image Processing Lab**, at the **Dept of Data Science and Engineering at IISER Bhopal**. Her research topic, “**Deep Learning Approach for NIR Image Colorization**,” included the development of advanced deep learning models, such as generative models for image-to-image translation for producing realistic colorized images.

She displayed coding proficiency, excellent understanding of advanced deep learning concepts, and research acumen throughout the internship period. She and her collaborators have applied for an institute-level **Student Innovation Grant (SIG)** for a possible extension of the research work, with the aim of possible incubation. She also plans to submit a research paper in a reputed venue based on the summer internship research.

I believe Jiya Sinha has the potential, skills, and dedication necessary for excelling in academia/industry. Therefore, I give my highest recommendation.

Dr. SAMIRAN DAS

Assistant Professor

Dept. of Data Science and Engineering

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