

## Internship Certificate

This is to inform you that Mr. Kamlesh Baheti, a B.Tech student from the Lloyd Institute of Engineering and Technology, Greater Noida (U.P.), Department of Computer Science and Engineering, worked on a research project at the Adaptive Cognitive Science (ACS) Lab, IIT Mandi, from 9th February 2025 to 9th August 2025 under the supervision of Prof. Varun Dutt (Full Professor, ACS Lab, IIT Mandi) and under the mentorship of Mr. Ajoy Kumar (Research Scholar, ACS Lab, IIT Mandi).

Mr. Kamlesh Baheti made significant contributions to the LSRB-DIPR Project at the ACS Lab, IIT Mandi. He developed an Adaptive Tower of Hanoi 2D game and contributed core modules to the “Search and Destroy” 3D simulation for experimental studies. He worked extensively with EEG devices such as Neuroelectric Starstim and Muse Band to acquire and process brain-signal data, integrating cognitive workload measures like NASA-TLX and CSQ into the experimental workflow. He designed and implemented advanced CNN+LSTM models achieving 80% accuracy in multi-step Focus Index prediction, and co-authored the paper “*Forecasting EEG-Based Attention Across Multiple Horizons for Proactive Brain-Computer Interfaces.*” His work also included a focused literature review on adaptive cognitive systems and BCI technologies. His dedication, technical depth, and ability to translate complex concepts into practical solutions substantially advanced the project’s goals.

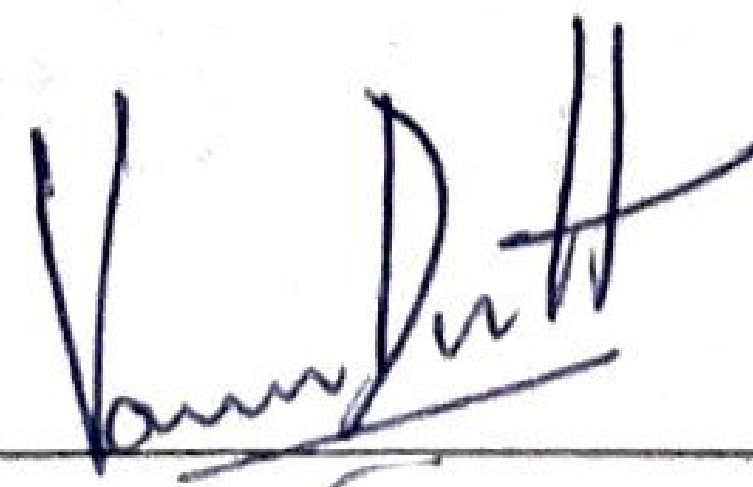
Therefore, we hereby award Mr. Kamlesh Baheti with the Internship Completion Certificate.

**Date:** 09 August 2025

**Place:** IIT Mandi



**Mr. Ajoy Kumar (Mentor)**  
Research Scholar  
ACS Lab, IIT Mandi



**Prof. Varun Dutt,**  
ACS Lab, IIT Mandi