



# INDIAN INSTITUTE OF INFORMATION TECHNOLOGY, UNA [HP]

An Institute of National Importance under MHRD

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**Dr. Neha Sharma**  
ASSISTANT PROFESSOR

Dated: 25, Nov.'21

## TO WHOM IT MAY CONCERN

This is to certify that Mr. Arvind Bishnoi, a student of IIIT Una has successfully completed an internship in the field of Desktop Application Development from August 2021 to November 2021 under my supervision.

During the period he has worked on making a Desktop Chat Application, named 'Mantrana'. The project was created using QT 5 Framework in C++ Language and intended to have all the important features required for a Chat application make it more organised intuitive.

He has worked as a team member in this project and has contributed equally on all levels of development, helped in development of the client side application in the frontend and the server side application in backend, also along with maintaining the documentation.

During the internship period he was dedicated, self-motivated and displayed good team work, leadership, and excellent performance in the project.

(NEHA SHARMA)