

**HEALTHCARE AND TELEMEDICINE**  
**MAJOR PROJECT REPORT**

Submitted By

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**Under of guidance**  
**Of**  
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(Project Guide)

**In partial fulfillment for the awards of the degree**  
**Of**  
**DIPLOMA**  
**IN**  
**COMPUTER ENGINEERING**



**BIRGUNJ INSTITUTE OF TECHNOLOGY**  
(Affiliated to council for technical Education and Vocational Training)  
(Batch 2077-2080)

# BIRGUNJ INSTITUTE OF TECHNOLOGY

Birgunj, Parsa, Nepal

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## Viva-Voce Sheet

We have conducted the viva voice Examination of the major project presented by

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## Entitled

“**Healthcare and Telemedicine**” and found that major project to be original work of the students and written according to the prescribed format. We recommended the major project will have accepted as partial fulfillment of the requirement for Diploma in Computer Engineering **Diploma in computer engineering.**

## Viva-Voce Committee

Head of Department .....

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## **ACKNOWLEDGEMENT**

We take this opportunity to express our sincere gratitude to all those who helped us in various capacities in under taking project devising the report. We are privileged to express our sense of gratitude to our respected lecturer **Anish Ansari** whose unparalleled knowledge, moral fiber and judgment along with his was an immense in completing the project. We are grateful to the **HOD of Diploma in computer engineering Er. Sarita Jayaswal** and **Principal of Birgunj Institute of Technology Er. Niraj Shriwastav** for the brain wave and encouragement given.

## **PROJECT DEVELOPED BY:**

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## **ABSTRACT**

The **Healthcare and Telemedicine** project is designed that aims to address the challenge of limited healthcare accessibility in remote and underserved areas. The project facilitates remote healthcare consultations, making it convenient for patients to receive quality healthcare services by offering a secure and user-friendly platform that connects patients with healthcare professionals from the comfort of their homes.

Our project "**Healthcare and Telemedicine**" is a kind of web application with all the required tools and functionalities of virtual hospital on a single system that can be handled by administrative head (Admin), staffs, as well as patient with their valid username and password. Our project has all the information about the doctor and patient, including appointment scheduling, secure video consultations, prescription management, and real-time access to healthcare professionals. The main objectives of developing this system is to facilitates health facilities and recommendation to the people of remote area's and manage their database in suitable and simple fashion. This application will provide a safe and secure access to the responsible authorities. Here the database holds all the details of each and every Doctors, and patients.

This Laravel-based healthcare and telemedicine application project serves as a transformative solution to overcome healthcare barriers, ensuring access to quality medical services, especially in remote and underserved areas. The project leverages Laravel's robust capabilities to create a secure, user-centric platform that connects patients with healthcare professionals through remote consultations.

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