

## **CERTIFICATE OF APPROVAL**

This is to certify that the Project work entitled “**Uni-Connect web portal**” is carried out by **Pankaj Kumar Baghel**, a student of MSc IT-IV semester at **A.P.S.G.M.N.S. Govt. P.G. College, Kawardha (C.G.)** is hereby approved as a credible work in the discipline of Information Technology for the award of degree of **Master of Science in Information Technology** during the year 2024-25 from **Hemchand Yadav Vishwavidyalaya, Durg (C.G.)**.

**Dr. Anil Kumar Sharma**  
**(HOD)**  
**Department of Information**  
**Technology**

## **CERTIFICATE**

This is to certify that the project work entitled “**Uni-Connect WEB PORTAL**” submitted to **A.P.S.G.M.N.S. Govt. P.G. College, Kawardha (C.G.)** by **Pankaj Kumar Baghel**, Roll No: 2440165012, in partial fulfilment for the requirements relating to the nature for the award of degree of **Master of Science in Information Technology** during the year 2024-25 from **Hemchand Yadav Vishwavidyalaya, Durg (C.G.)**.

This project work has been carried out under my co guidance.

**Dr. Anil Kumar Sharma (H.O.D)**  
**Department of Information**  
**Technology**

## **CERTIFICATE OF EVALUATION**

This is to certify that the project work entitled “**Uni-Connect WEB PORTAL**” is carried out by **Pankaj Kumar Baghel**, a student of **M.Sc.(I.T) Fourth Semester** at **A.P.S.G.M.N.S. Govt. P.G. College, Kawardha (C.G.)**, after proper evaluation and examination, is hereby approved as a credible work in the discipline of Information Technology and is done in a satisfactory manner for its acceptance as a requisite for the award of degree of **Master of Science in Information Technology** during the year 2024-25 from **Hemchand Yadav Vishwavidyalaya, Durg (C.G.)**.

**Internal Examiner**

**Extern Examiner**

## **DECLARATION**

This to certify that the project report entitled “**Uni-Connect WEB PORTAL**”, which is submitted by me in the partial fulfillment for the award of degree of **Master of Science in Information Technology, A.P.S.G.M.N.S. Govt. P.G. College, Kawardha (C.G.)**, comprises the original work carried out by me.

I further declare that the work reported in this project has been submitted and will not be submitted, either in part or in full for the award of any other degree or diploma in this Institute or any other Institute or University.

**Place:** Kawardha

**Date:**

**Name:** Pankaj Kumar Baghel

M.Sc. I.T Fourth Semester

**Roll No.**2440165012

## **ACKNOWLEDGEMENT**

I extend my sincere thanks and gratitude to our Head of the Department **Dr. Anil Kumar Sharma Department of Information Technology at A.P.S.G.M.N.S. Govt. P.G. College, Kawardha (C.G.)**, who provided me the lab facilities as well as who steered all of us in a right direction for completing this project. I am significantly indebted and thankful to my parents for their love, sacrifice, inspiration and the valuable help that enabled us in the completion of this project.

I express my gratitude to **Mr. Abhijeet Kaushik, Dy. Director(IT),NIC** for their guidance and encouragement throughout the duration of my project development. With a deep sense of gratitude, I express my humble thanks Ms. Kalpana Banjare , Daulat Sahu, Mr. Sandeep Khatik and Mr. Bables Aazad to all the members of **Knowledge & Technology Resource Centre**, given me help & guidance to make this project.

I also thanks to Miss. Chanchal Sahu, Mr.Salman khan , Ashish pandey ,virendra sharma and all the members of **Information Technology Department at A.P.S.G.M.N.S. Govt. P.G. College, Kawardha (C.G.)**, who have given me a lot of help in these two years.

At last, I also express my thanks to my friends, colleagues, and all, who constantly interacted with me during the study period.

**Sincerely,**  
**Pankaj Kumar Baghel**

## **ABSTRACT**

As universities increasingly depend on digital infrastructure to support academic, administrative, and research activities, the need for an efficient and secure network management system has become critical. This project introduces a comprehensive University Network Management System (Uni-Connect) designed to oversee and manage the entire campus network infrastructure. The system provides centralized control over network resources, facilitates real-time monitoring of data traffic, and ensures secure access through user authentication and role-based permissions.

Key features include bandwidth allocation, device and user tracking, automated alert systems for anomalies, and log management for audit purposes. By integrating these functionalities into a unified interface, the UNMS simplifies the tasks of network administrators while enhancing system reliability and scalability. It also supports future expansion, allowing seamless integration of new technologies and devices as the university's digital needs grow. The system ultimately aims to optimize performance, minimize downtime, and provide a secure, scalable, and user-friendly solution for modern university network environments

# **INDEX**

<b>CONTENTS</b>	<b>PAGENO.</b>
<b>CHAPTER1: INTRODUCTION</b>	<b>01-04</b>
1.1) About the Organization	02-03
1.2) About the Project	04
<b>CHAPTER2:SYSTEM ANALYSIS</b>	<b>05-08</b>
<b>CHAPTER3:SYSTEM PLANNING</b>	<b>09-12</b>
3.1) Introduction	10
3.2) PERT Chart	11-12
3.3) Cost & Benefit Analysis	13-14
<b>CHAPTER4:FEASIBILITY STUDY</b>	<b>15-18</b>
4.1) Technical feasibility	16
4.2) Economical feasibility	16-17
4.3) Operational feasibility	17-18
<b>CHAPTER5:SYSTEM REQUIREMENT SPECIFICATION(SRS)</b>	<b>19-25</b>
5.1) SRS(Software Requirement Specifications)	20-21
5.2) Hardware & Software requirement	21-22
5.3) Technology description	22-25
<b>CHAPTER6:SYSTEM DESIGN</b>	<b>26-38</b>
6.1) Prototype model	27-28
6.2) Database design	28-33
6.3) E-R Diagram	34-35
6.4) Data Flow Diagram (DFD)	36-37
6.5) Flow Chart	38
<b>CHAPTER7:SYSTEM TESTING</b>	<b>39-42</b>
<b>CHAPTER8:INPUT &amp; OUTPUT SCREEN</b>	<b>43-52</b>
<b>CHAPTER9:SYSTEM SECURITY</b>	<b>53-54</b>
<b>CHAPTER10:LIMITATION &amp; FUTURE ENHANCEMENT</b>	<b>55-56</b>
<b>CHAPTER11: CONCLUSION</b>	<b>57-58</b>
<b>REFERENCES &amp; BIBLIOGRAPHY</b>	<b>59-60</b>

