GOVERNMENT POLYTECHNIC COLLEGE SIDHI (M.P.)

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A PROJECT REPORT ON

"Gramin E-Bank"

Submitted in partial fulfillment of the requirement for the award of the

Diploma in Computer Science Engineering

Session: 2023-2024

DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

SUBMITTED BY

(Student Name)	(Enrollment)
➢ Akash Pandey	21107C04002
➢ Ayush Mishra	21107C04011
➢ Akhil Dwivedi	21107C04003
➢ Pawan Dwivedi	21107C04021

<u>Under the Guidance of</u>

Mrs. Tripti Singh (Lecturer)

Gramin E-Bank

A Project Report

Submitted in partial fulfillment of the requirement for the Award of the diploma in

COMPUTER SCIENCE ENGINEERING

In Rajeev Gandhi Proudyogiki Vishwavidyalaya, Bhopal

Submitted by:

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➢ Akash Pandey	21107C04002
➢ Ayush Mishra	21107C04011
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➢ Pawan Dwivedi	21107C04021

Under the Guidance of

Mrs. Tripti Singh (HOD)

Department of Computer Science Engineering

Government Polytechnic College Sidhi, Distt.-Sidhi (M.P)

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GOVERNMENT POLYTECHNIC COLLEGE SIDHI (M.P.)

CERTIFICATE

Date._____

This is to certify that Akash Pandey, Ayush Mishra, Akhil Dwivedi and Pawan Dwivedi have carried out the project work presented in this project entitled "Gramin E-Bank" for the award of DIPLOMA IN COMPUTER SCIENCE ENGINEERING from Government Polytechnic College, Sidhi under our supervision. The project embodies the result of the student carried out by the student their self and the content of the project do not form the basis for the award of any other degree to the candidate or to anybody else.

Mrs. Tripti Singh	**Mrs. Tripti Singh**
(Project Guide)	**(HOD)**
Department of Computer Science Engineering	**Department of Computer Science Engineering**
Mr._____	**Mr._____**
(Internal)	**(External)**
Department of Computer Science Engineering	**Department of Computer Science Engineering**

Mr. Manorath Agnihotri

(Principal)
Government Polytechnic College Sidhi (M.P.)

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Project Associate:

(Student Name)	(Enrollment)
➢ Akash Pandey	21107C04002
➢ Ayush Mishra	21107C04011
➢ Akhil Dwivedi	21107C04003
➢ Pawan Dwivedi	21107C04021

Department of Computer Science Engineering

Government Polytechnic College, Sidhi (M.P)

ABSTRACT

This report presents the development of an Android mobile application for Gramin E Bank, designed to bring digital banking services to rural communities in India. The Gramin E Bank app aims to bridge the gap between traditional banking systems and the underserved population in remote areas by providing a user-friendly, secure, and accessible platform for essential financial transactions.

The development process followed an agile methodology, with a strong focus on understanding the unique needs and constraints of the target users. Extensive field research and usability testing were conducted to ensure that the app's design and functionality align with the digital literacy levels and infrastructural limitations of rural areas.

This report details the system architecture, database design, security measures, and user interface components of the Gramin E Bank app. It also discusses the challenges encountered during development, such as ensuring data integrity in low-connectivity environments and designing for devices with varying capabilities.

The successful implementation of the Gramin E Bank app demonstrates the potential of mobile technology to promote financial inclusion and empower rural communities. The project's outcomes suggest that similar approaches can be applied to other sectors, contributing to the overall socio-economic development of underserved regions.