

SmritiAI

Project-III (IT208PPC31) report submitted to
Guru Ghasidas Vishwavidyalaya
in partial fulfilment for the award of the degree of
Bachelor of Technology
in
Information Technology

by

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Under the supervision of
Dr. Rajesh Mahule



Department of Information Technology
Guru Ghasidas Vishwavidyalaya

March, 2025

March 31, 2025

DEPARTMENT OF INFORMATION TECHNOLOGY
GURU GHASIDAS VISHWAVIDYALAYA
BILASPUR - 495009, INDIA

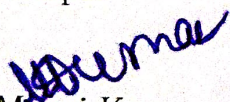


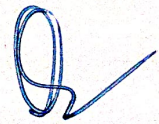
CERTIFICATE

This is to certify that the project report entitled “SmritiAI” submitted by Aarti Jha — Esan Raj— Rahul Sanskar (Roll No. 21036101—21036122—21036140) to Guru Ghasidas Vishwavidyalaya towards partial fulfilment of requirements for the award of degree of Bachelor of Technology in Information Technology is a record of bonafide work carried out by him under my supervision and guidance during March, 2025.

Date: March 31, 2025

Place: Bilaspur


Prof. Manoj Kumar
Head of Department
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Abstract

Name of the student: **Aarti Jha — Esan Raj— Rahul Sanskar** Roll No:
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Degree for which submitted: **Bachelor of Technology**

Department: **Department of Information Technology**

Thesis title: **SmritiAI**

Thesis supervisor: **Dr. Rajesh Mahule**

Month and year of thesis submission: **March 31, 2025**

The development of dementia reduces memory functions while affecting daily activities which leads to elevated anxiety levels together with dependence on others. **SmritiAI** functions as an AI-based assistive system through which dementia patients receive support by means of **OpenAI's Whisper** for recording and transcribing their daily conversations along with **Langflow's LLMs** for their analysis. The system collects tasks and events and activities from patient interactions to generate relevant to-do lists which support a memory automation chatbot function. The dashboard of **SmritiAI** operates through **Streamlit and Python** while using Google Cloud technology to serve patients better. The system achieves high accuracy values together with positive feedback results from users. **SmritiAI delivers reduced cognitive strain together with improved autonomy** and allows large-scale applicability in upcoming healthcare solutions for elderly care.