



***Dissertation on***

**“A Cost-Effective, Proactive Hallucination Routing System  
for LLMs”**

*Submitted in partial fulfilment of the requirements for the award of the degree  
of*

**Bachelor of Technology  
in  
Computer Science & Engineering (Artificial Intelligence and  
Machine Learning)**

**UE23AM320A – Capstone Project Phase - 1**

***Submitted by:***

<b>Sourabh S Mahindrakar</b>	<b>PES1UG23AM313</b>
<b>Chandan R</b>	<b>PES1UG23AM917</b>
<b>Sreephaneesha k</b>	<b>PES1UG23AM314</b>
<b>Sri Charan D A</b>	<b>PES1UG23AM315</b>

*Under the guidance of*

**Dr. Ravi Gorripati**  
Associate Professor  
PES University

**August - December 2025**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (ARTIFICIAL INTELLIGENCE  
AND MACHINE LEARNING)  
FACULTY OF ENGINEERING  
PES UNIVERSITY**

(Established under Karnataka Act No. 16 of 2013)  
100 feet Ring road, BSK 3rd stage, Hosakerehalli, Bengaluru – 560085



## PES UNIVERSITY

(Established under Karnataka Act No. 16 of 2013)  
100ft Ring Road, Bengaluru – 560 085, Karnataka, India

### FACULTY OF ENGINEERING

# CERTIFICATE

*This is to certify that the dissertation entitled*

**‘A Cost-Effective, Proactive Hallucination Routing System for LLMs’**

*is a bonafide work carried out by*

**Sourabh S Mahindrakar  
Chandan R  
Sreephaneesha k  
Sri Charan D A**

**PES1UG23AM313  
PES1UG23AM917  
PES1UG23AM314  
PES1UG23AM315**

In partial fulfilment for the completion of Fifth-semester Capstone Project Phase - 1 (UE23AM320A) in the Program of Study -Bachelor of Technology in Computer Science and Engineering (Artificial Intelligence and Machine Learning) under rules and regulations of PES University, Bengaluru during the period Aug. 2025 – Dec. 2025. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The dissertation has been approved as it satisfies the 5<sup>th</sup>-semester academic requirements in respect of project work.

Signature  
**Dr. Ravi Gorripati**  
Associate Professor

Signature  
Dr. Jayashree R  
Chairperson

Signature  
Dr. K S Sridhar  
Dean of Faculty and  
Registrar

### External Viva

#### Name of the Examiners

1. \_\_\_\_\_  
2. \_\_\_\_\_

#### Signature with Date

\_\_\_\_\_  
\_\_\_\_\_