

# **AI-DRIVEN LEGAL CHATBOT FOR MINING REGULATIONS**

**A PROJECT REPORT**

*Submitted by,*

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*Under the guidance of,*

**Dr. MOHAMMED MUJEER ULLA**

*in partial fulfillment for the award of the degree of*

**BACHELOR OF TECHNOLOGY**

**IN**

**COMPUTER SCIENCE AND ENGINEERING**

**At**



**PRESIDENCY UNIVERSITY**

**BENGALURU**

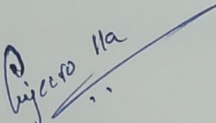
**May 2025**

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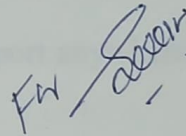
## SCHOOL OF COMPUTER SCIENCE ENGINEERING

### CERTIFICATE


This is to certify that the Project report "AI-DRIVEN LEGAL CHATBOT FOR MINING REGULATIONS" being submitted by "Ashfaq Ur Rahman H N, Mohammed Azeem A, and Sagar H N" bearing roll number(s) "20211CSE0615, 20211CSE0610, and 20211CSE0619," in partial fulfillment of the requirement for the award of the degree of Bachelor of Technology in Computer Science and Engineering is a bonafide work carried out under my supervision.



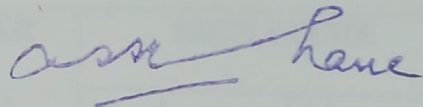
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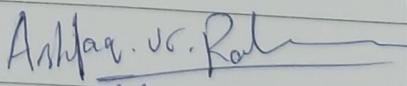
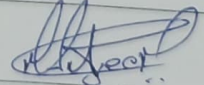
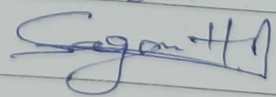
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### DECLARATION

We hereby declare that the work, which is being presented in the project report entitled **AI-Driven Legal Chatbot For Mining Regulations** in partial fulfilment for the award of Degree of **Bachelor of Technology in Computer Science and Engineering**, is a record of our own investigations carried under the guidance of **Dr. MOHAMMED MUJEER ULLA, ASSOCIATE PROFESSOR, School of Computer Science and Engineering, Presidency University, Bengaluru.**

We have not submitted the matter presented in this report anywhere for the award of any other Degree.

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## **ABSTRACT**

The Indian mining sector operates under a vast and intricate network of laws, including the Coal Mines Act, Indian Explosives Act, and a multitude of DGMS Circulars, Rules, and Regulations. Accessing and interpreting these legal provisions is often challenging and time-consuming for stakeholders, particularly those without legal expertise. Traditionally, users have relied on manual searches through bulky PDFs and government websites, which slows down compliance-related decision-making and increases the risk of misinterpretation.

To address this challenge, this project introduces an AI-driven chatbot powered by Natural Language Processing (NLP) and intelligent retrieval mechanisms. The chatbot is capable of understanding user queries in plain language and responding with relevant, regulation-specific information. Designed to be accessible 24/7, the system enhances operational efficiency, reduces the need for legal consultation on routine matters, and promotes better adherence to mining laws. This solution has the potential to transform how mining professionals interact with legal content by making it more accessible, accurate, and user-friendly.