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INTRODUCTION

In view of the recent amendment made in the Patents Act, 1970 by the Patents (Amendment) Act, 2005 effective from 01st January 2005, the Official Journal of The Patent Office is required to be published under the Statute. This Journal is being published on weekly basis on every Friday covering the various proceedings on Patents as required according to the provision of Section 145 of the Patents Act 1970. All the enquiries on this Official Journal and other information as required by the public should be addressed to the Controller General of Patents, Designs & Trade Marks. Suggestions and comments are requested from all quarters so that the content can be enriched.

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(57) Abstract :

The present invention provides a Tuberculosis Awareness, Assessment and Assisting System that leverages artificial intelligence, machine learning, and mobile/web technologies to enable early TB detection, medication adherence, and access to nearby health services. The system comprises an AI-based TB symptom checker with a chatbot interface for risk self-assessment, a geolocation-enabled health facility mapper, interactive medication reminders, and modules for government policy integration and dietary-medical awareness. The backend uses supervised machine learning models to predict TB likelihood and direct users to appropriate medical care. The system ensures user privacy through encrypted and anonymized data handling, requiring no personal identity unless permitted. Figure 1

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