CSIR-IHBT invites Expression of Interest (EOI)

for

"AI-Based App for precise detection of Ischemic Stroke "

CSIR–Institute of Himalayan Bioresource Technology (CSIR-IHBT) invites Expression of Interest (EOI) from reputed industries, hospitals, healthcare technology firms, and progressive entrepreneurs for licensing and commercialization of its AI-based application for precise detection of ischemic stroke. Interested organizations with expertise in medical imaging, digital health, and hospital systems are encouraged to collaborate for technology transfer and deployment.

The global stroke diagnosis market was valued at approximately USD 42.6 billion in 2024 and is projected to grow at a CAGR of 8.3%, highlighting the increasing demand for rapid and accurate diagnostic solutions. In India, stroke detection in many hospitals is still largely dependent on manual interpretation of MRI scans, which can be time-consuming and prone to variability. To address this critical need, we propose Aamazing Brains, an advanced AI-powered web application designed for automated detection and analysis of ischemic stroke using MRI images. The platform leverages state-of-the-art deep learning models to accurately identify and highlight potential stroke regions, significantly reducing diagnostic time and supporting clinical decision-making. Additionally, the system generates detailed, patient-specific diagnostic reports to assist neurologists and radiologists in improving treatment planning and outcomes. Through this initiative, we aim to enhance diagnostic efficiency, accessibility, and precision in stroke care, particularly within resource-constrained healthcare settings.

Some of the Salient Features are as:

* Enhanced Segmentation Accuracy
* Robust Handling of stroke Lesions Variability
* Real-time Processing capabilities
* Saves a lot of time as it gives results in minutes

Application should include details of company profile and marketing strategies. The selected parties shall be called for discussions. Interested parties may send their Expression of Interest, in a sealed cover superscripting "Expression of Interest" addressed to

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Aamazing Brains – AI-Powered Ischemic Stroke Detection Platform

An advanced AI-powered web application designed for the automated detection and analysis of ischemic stroke using medical imaging. The system leverages state-of-the-art deep learning models to analyze brain MRI scans, accurately identify and highlight potential stroke regions, and generate detailed, patient-specific diagnostic reports to support timely clinical decision-making.

Market opportunity:

Global stroke diagnosis market size was estimated at USD 42.6 billion in 2024, and is increasing by 8.3% per year.

Salient features:

Enhanced Segmentation Accuracy
- Handling Variability in stroke Lesions
- Real-time Processing capabilities
- Saves a lot of time as it give results in minutes