Lab2Market | Apr 19, 2023 | INDIA

INDIAai Lab2Market 2023 winners announced

Lab2Market 2023 is a program designed to assist Indian university students and faculties in transforming their research into products done in partnership with the K-Tech Centre of Excellence for Data Science and AI.

Published By : INDIAai

Lab2Market 2023 is a programme that aims to help students and researchers at Indian universities commercialise their research. This year, K-Tech CoE partnered with INDIAai on the Lab2Market initiative..

INDIAai received numerous submissions for the Lab2Market 2023 project this year from institutions of higher education and research across the nation. After a comprehensive screening, six submissions were selected to present their solutions. Prof S Chandrasekhar, IFIM Business School, Bengaluru, Swati Jain, PhD, Vice President, Analytics at EXL, and Priyanjit Ghosh, CEO and Co-Founder of Logi.AI, were the jury member who reviewed the participants' presentations.

Here are the top three winners

Explainable AI decision model for ECG data of cardiac disorders

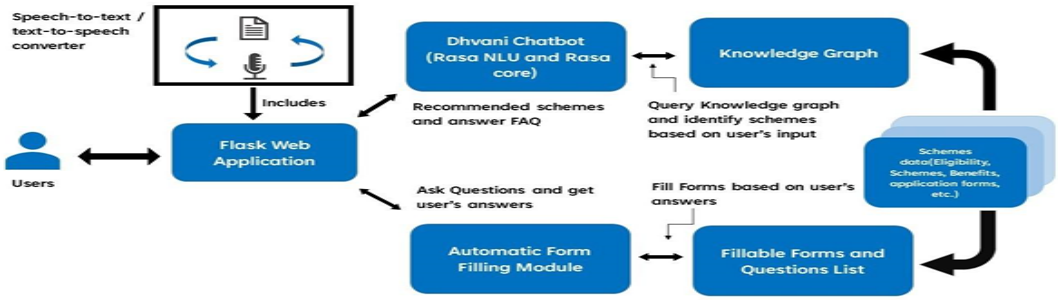
An interpretable AI model that highlights the abnormal segments of the ECG and predicts heart diseases

Dr. Anubha Gupta and Dr. Manu Kumar Shetty

In this study, Dr Manu Kumar Shetty (MBBS, MD), Maulana Azad Medical College, Delhi, and Prof. Anubha Gupta, Indraprastha Institute of Information Technology, Delhi, implemented some deep neural networks for the detection of cardiac disorders. Results indicate that the model can highlight pertinent ECG wave alterations as clinicians require, making it diagnostically explicable. Furthermore, it demonstrates that their proposed model can be easily integrated with existing ECG machines, allowing doctors in primary and secondary healthcare centres to diagnose patients more quickly, accurately, and with proof, allowing for prompt referral to cardiology centres for further specialized treatment. Finally, implementing such models can assist on-call physicians in primary and secondary healthcare facilities where cardiologists may not be readily available.

Automated Government Form Filling for Aged and Monolingual People Using Interactive Tool

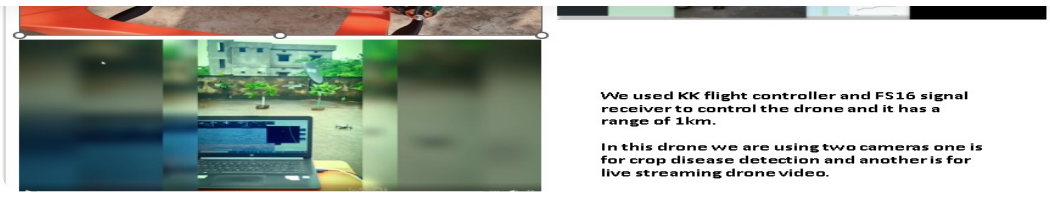
The students and faculties of R. V. College of Engineering in Bengaluru have implemented the "Dhvani" automaton, an interactive system that communicates with the user in Kannada, suggests suitable schemes and fills out the form in English. The implementation utilizes open-source software and can be deployed on any system. In addition, the team has introduced the Dhvani voice bot, which is constructed using the RASA chatbot framework and employs NLU to comprehend the user's speech. The proposed system autonomously populates government programme forms based on user input. It is designed for the Kannada language and can be extended to support other languages.



Team members: Dr Deepamala. N, Dr Shobha G, Adarsh R Hegde, Sujala Reddy R S, Pragathi B.C, Kruthika P, and Sreerama Sai Lahari - R. V. College of Engineering, Bengaluru.

Smart crop disease detection using AI Drones

Soumya Ranjan Prusty of IMIT, Cuttack, presented his research on detecting crop diseases using intelligent drones. This artificial intelligence drone is fitted with a deep learning system that, with the help of computer vision, can detect and monitor a variety of ailments. In addition, they can pinpoint the exact location of the disease and provide treatment



Team members: Soumya Ranjan Prusty (IMIT, Cuttack), Sonalee Panda (IMIT, Cuttack), and Phani Karnati (Vihave Innovation Pvt Limited).

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A health company, Oncoshot India, plans to make an AI to match Indian cancer patients with the most effective clinical trials

According to Times of India, an AI-based programme will aid Indian cancer patients who suffer from difficult-to-treat cancer and find ongoing clinical trials helpful.

News | AI in Healthcare | Jun 23, 2023

Google AI Lab in Bengaluru is currently developing an AI model to support over 100 Indian languages

According to Business Today, Director of Google Research India, Manish Gupta, mentioned in a session at the BT Tech Today Congress that Google AI Lab in Bengaluru is currently developing a...

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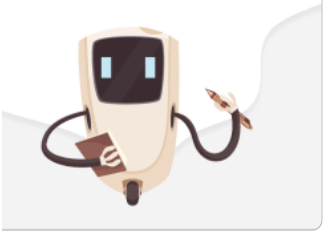

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