Digital HealthTech
Grand Challenge

virtusa   Dr.Mehta's Hospitals

LIVE EVENTS **10**

AGBI Digital HealthTech Grand Challenge

👥 275 Registered   ALLOWED TEAM SIZE: **1 - 4**

REGISTER NOW

STARTS ON:	IDEA SUBMISSION PHASE	ENDS ON:
Jul 31, 2020 12:00 PM IST	🌐 Online	Aug 3

SOCIAL SHARE

STARTS ON:	PROTOTYPE SUBMISSION PHASE	ENDS
Sep 05, 2020 09:00 AM IST	🖥 Online	Sep 2

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OVERVIEW

BUILD EXCITING DIGITAL PRODUCTS TO CHANGE THE HEALTHCARE INDUSTRY

AGBI presents the **AGBI Digital HealthTech Grand Challenge** to give you the chance to create digital products to change the healthcare industry. Participate in this challenge and get access to a billion-dollar opportunity by solving problems identified by **VIRTUSA Technologies** and **Mehta group of hospitals** with mentorship and guidance from experts in the health-tech industry.

Top solutions will not only win cash prizes but will get a chance for incubation with AGBI, a **NITI Aayog** supported Incubator, to build their startup and work with a team of experts to develop a market-ready product. Further, top solutions will stand a chance to present their startup solution to marquee investors and big corporates.

About AIC – Great Lakes Balachandran Incubator (AGBI)

AIC – Great Lakes Balachandran Incubator (AGBI) is an incubator supported by Atal Innovation Mission, NITI Aayog, and Great Lakes Institute of Management, Chennai. AGBI envisions fostering disruptive innovation in the domains of Financial Technology, Educational Technology, Health Technology, Agricultural Technology, and Energy/Ecology Technology. It encourages nascent entrepreneurs to leverage emerging technologies such as Augmented/Artificial Intelligence, Internet of Things, Machine Learning, Algorithmic Analytics, and Blockchain to lead the platform-revolution and build inclusive enterprises.

Supported By

AGBI
AIC - GREAT LAKES
BALACHANDRAN INCUBATOR

NITI Aayog

AIM
ATAL INNOVATION MISSION

THEMES

Smart Medical Assistant

Theme by Virtusa Technologies

Build a **predictive chatbot enabled digital assistant**, backed by data, that can help surgeons, patients and care teams throughout the patient journey by automating some of the crucial tasks done manually such as decision making, post-surgery planning, tracking and estimating recovery-time, and takes patients' feedback. Can you come up with innovative reporting tools or dashboards for patient data monitoring and Patient engagement by providing customized counseling?

Or use your ML skills to create a **bot to Line of Therapy for patients** by gathering patient information and suggesting pathway and treatment cost, and prepare an optimized insurance plan for coverage based on the patient's condition and locality.

Smart X-Ray Scanner

Theme by Mehta Group of Hospitals

Traditional X-Ray films are bulky and unportable causing patients to leave behind these films when going for follow-up hospital visits, resulting in poorer diagnosis. Currently, the radiology department or diagnostic labs have to print and review the x-ray film and then physically hand it over to the patient/treating doctor for a diagnosis. Help hospitals and diagnostics by enabling better diagnosis and health outcomes, cost savings, the faster mechanism by building a reliable mobile app or lens/scanner that can capture the x-ray image without any loss in image clarity or image distortion.

Drug ROI Calculator

Theme by Virtusa Technologies

Having an automated system that can predict the volume of sales for a drug year-on-year, estimate the growth rate of the drug market and Identify potential competitor growth rate would reduce human effort and make the process more efficient. Propose a solution to predict revenue of a drug from the time of launch for the next few years and help estimate specific cost requirements with its marketing expenditure to sales revenue and hence determine the time for a drug to be pushed into 1st line of therapy.

Diagnosis Tagging for Digital Marketing

Theme by Mehta Group of Hospitals

Currently, hospitals rely on mass marketing campaigns to inform patients of a relevant treatment or drug available to further improve their health. Build applications that can help hospitals, patients, pharmaceutical companies, and health R&D companies with more efficient and effective ways of communication by hospitals for better health outcomes and targeted communication to prime patient groups for a new treatment/drug leveraging the power of data analytics. Your solution needs to manage the database of patient records and discharge summaries to identify patients who are good candidates for newly launched medicines, treatments etc.

Skin Cancer Detector

Theme by Virtusa Technologies

If image processing and deep learning excites you, you are at the right place!

We rely on your expertise to help doctors and surgeons to identify the associated allergies from capture images of skin, predict the probability of skin cancer, and suggest remedies to prevent further damage. Enabling smart features like connecting with forums offering discussions around the problem or prescribing a skin specialist based on a geographic location will give extra advantages to your solutions!

Medication Adherence and Monitoring

Theme by Virtusa Technologies

Here's something exciting for our Alexa and Google developers!

We are looking for solutions that can be integrated to a home device to customize medication packs that capture the medication intake on breaking a printed circuit of the blister pack and remind the user if a medication is missed. The application may send a detailed report to the caregiver and patient's family to track medication adherence and track patient recovery and analyze drug efficacy in chronic disease conditions.

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PRIZES

Winners will be given an **incubation offer** and an opportunity to avail a **seed fund of upto Rs 5 lakhs.**

Main Prizes

First Prize
INR 1,50,000

Second Prize
INR 50,000

Third Prize
INR 25,000

Special Prizes

Consolation Prize (5)
INR 15,000

Resources

Tech Recruitment Blog

Product Guides

Developer hiring guide

Engineering Blog

Developers Blog

Developers Wiki

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contact@hackerearth.com

Start a Programming Club

Practice Machine Learning

10

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