

### **Project Title**

Discovery AI (DAI) Platform for NUHS (National University Health System) Cluster-wide Research

### **Project Lead and Members**

Project Lead(s): A/Prof Ngiam Kee Yuan

### **Organisation(s) Involved**

National University Health System

### **Healthcare Family Group(s) Involved in this Project**

Medical

### **Project Period**

Start date: July 2018

Completed date: Not Provided. Technical Refresh in 2022

### **Aim(s)**

Discovery AI platform (DAI) was launched in July 2018 under the NUHS GCTO office with a unified data governance by Academic Informatics Office (AIO) and linkage for de-identified NUH datasets.

The De-identification of data that is on boarded into DAI facilitates a secured centralized databases through a trusted third party administered by AIO according to MOH standards. The linkage of data enables research and development that address a patient's journey throughout, which might otherwise be presented by a fragmented data that exist in multiple medical equipment and instrument.

### **Background**

See poster appended/ below

### **Methods**

See poster appended/ below

## **Results**

See poster appended/ below

## **Lessons Learnt**

See poster appended/ below

## **Conclusion**

See poster appended/ below

## **Additional Information**

See poster appended/ below

## **Project Category**

Technology, Digital Health, Data Analytics, Artificial Intelligence

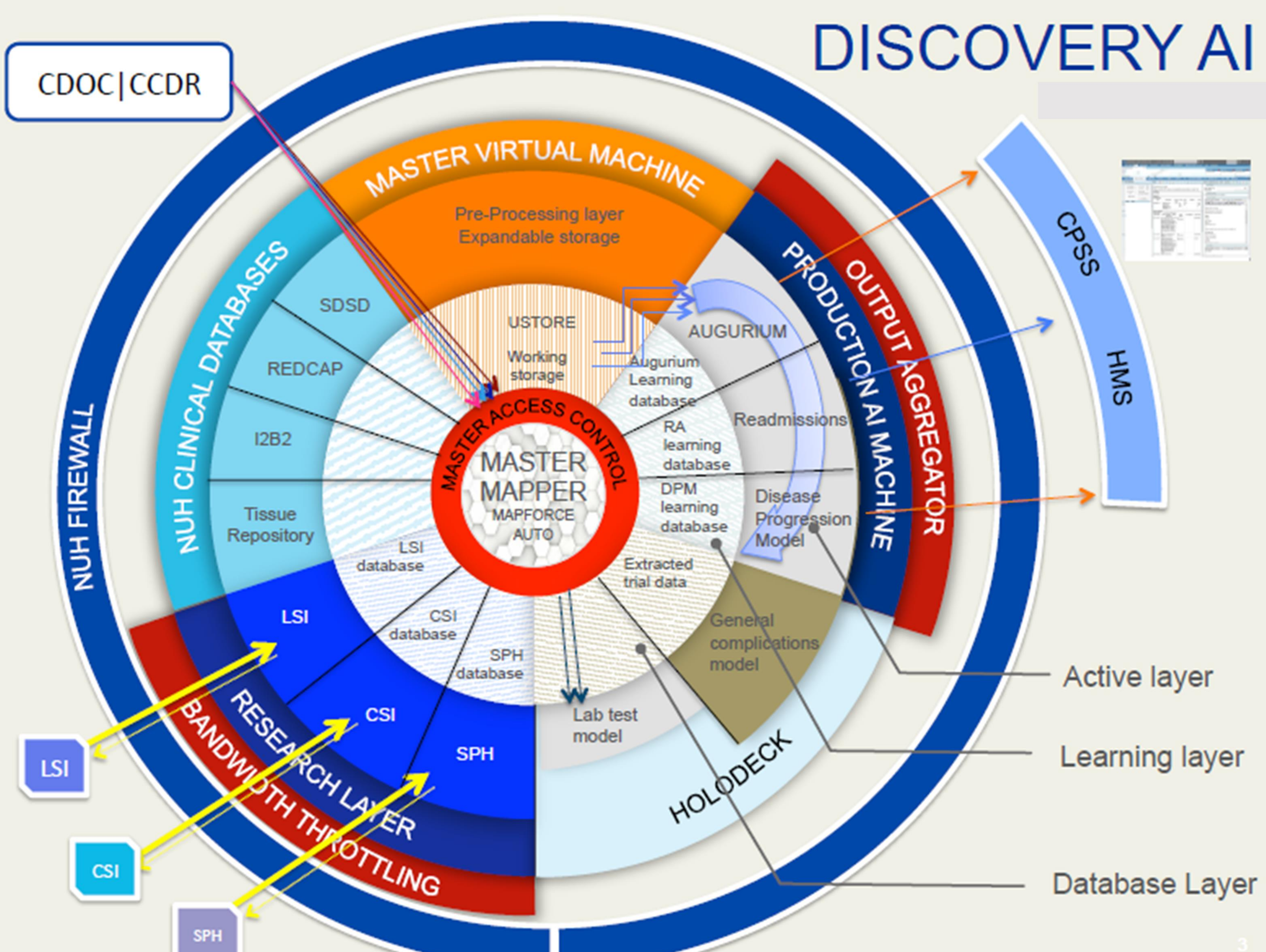
## **Keywords**

Medical Data, Medical Database, Medical Dataset, Data Model, Data Extraction,  
Artificial Intelligence (AI), AI Tools, Centralised database, Aggregated Database,

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## DISCOVERY AI Features

- Built on the principles of security, equitability, privacy and oversight
- Creating a single continuum for development of healthcare AI models and operationalization on clinical platforms
- Application domains span clinical, operations, resource allocation, community and research
- Key is integration of datasets, availability of AI 'tools'