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

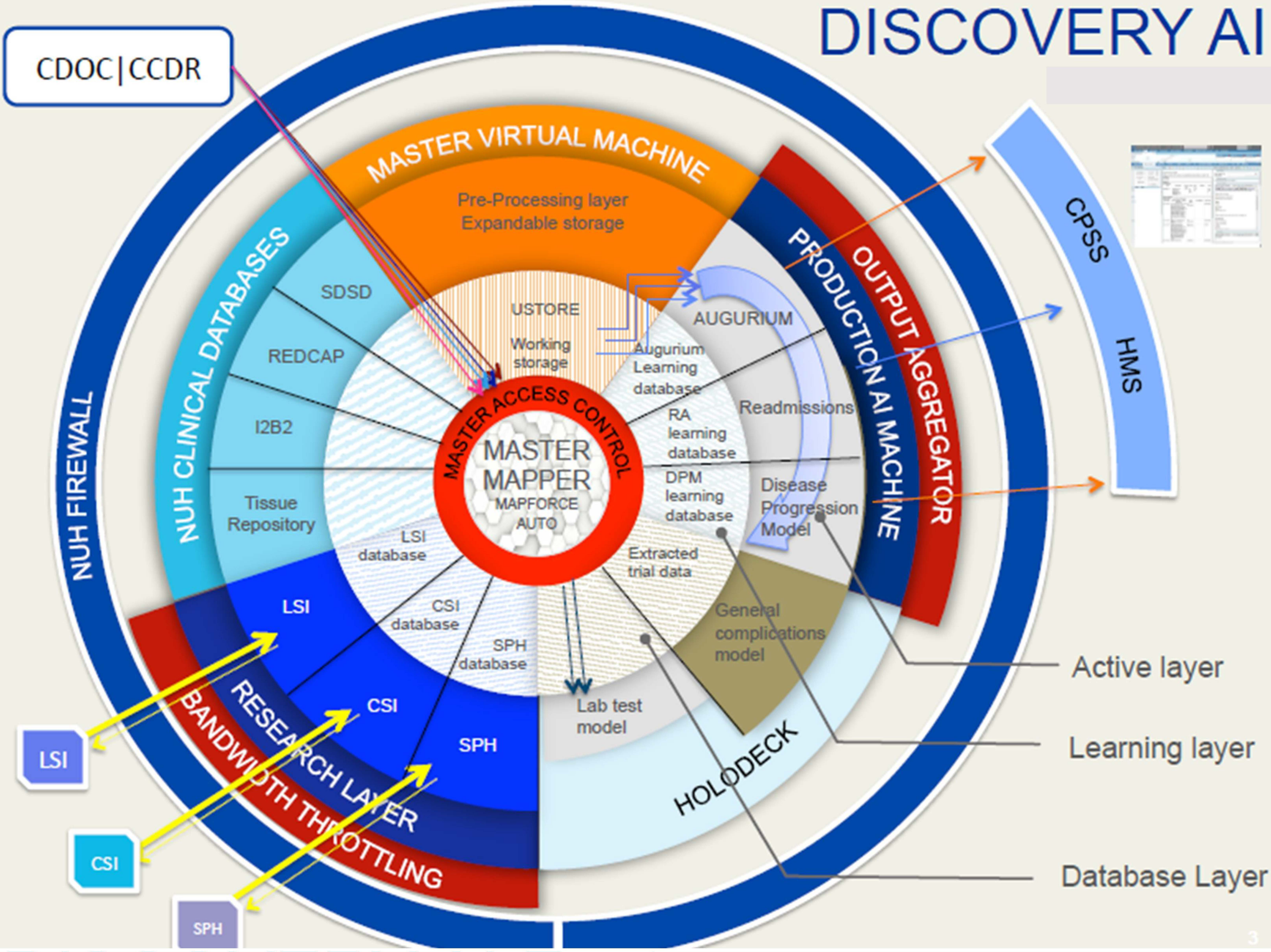
Medical Data, Medical Database, Medical Dataset, Data Model, Data Extraction, Artificial Intelligence (AI), AI Tools, Centralised database, Aggregated Database,

Name and Email of Project Contact Person(s)

Name: A/Prof Ngiam Kee Yuan

Email: kee_yuan_ngiam@nuhs.edu.sg

DISCOVERY AI



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’