SG:D Techblazer Award Winners

Company	Product/ Solution
Most Promising Innovation (Gold) **BioMind** Hanalytics Pte Ltd (BioMind®) is an artificial intelligence company specialising in healthcare. The company builds advanced AI technology and creates predictive applications to assist doctors in decision making for diagnosis, treatment and reporting. The company has a strong team of over 60 in-house deep learning scientists, medical experts, and research advisors from prestigious hospitals and universities. **⑥ BioMind®**	**BioMind ®** BioMind® is a diagnostic support system that uses deep learning technology to analyse MRI and CT images. It automatically recommends a diagnosis and a report for doctors to review – all within seconds. This is faster than the average 1 hour or more doctors take for analysis and reporting. Its signature feature is the analysing of neurological disorders such as brain tumours, vascular diseases and stroke-related medical conditions, which take up the majority of the conditions determined through medical imaging. With the application of AI technology, not only can BioMind® analyse a large spectrum of neurological conditions, its technology can also be upgraded to analyse medical conditions of other body systems.
Most Promising Innovation (Silver) **CashShield** CashShield is a global enterprise risk management company that leverages over a decade of domain intelligence and AI to help companies block fraud in	**CashShield** An end-to-end fraud management solution that is fully machine automated with no human intervention. It provides a comprehensive protection that covers all

real-time. Founded in 2008, CashShield was the first to introduce a 100% automated fraud solution. We profile more than 5 billion devices per year and over 500 million user accounts. CashShield secures businesses across the globe, covering industries such as e-wallet, super apps, e-commerce, travel, and digital goods etc. Trusted by leading players and governments worldwide, we partner with and secure billions in GMV for enterprises such as OVO, Alibaba, Razer, Scalefast and Grab, empowering them to compete and scale without risk. For more information, visit www.cashshield.com.

vulnerable entries to fraud attacks across multiple channels and devices, at every stage of the process.

With a combination of domain intelligence, AI, and machine learning, CashShield is able to monitor and deal with fraud in real-time, protecting enterprises from all sorts of fraud attacks, such as account takeovers, promo abuse, loan fraud or money laundering.

Most Promising Innovation (Silver)

Tookitaki Holdings

Tookitaki is providing enterprise software solutions that create sustainable compliance programs for the financial services industry. The company is innovating the regulatory compliance space by moving beyond rules-based applications and introducing software solutions to maximize efficiency and reduce risks in the compliance processes. Its mission is to provide machine learning-powered regulatory compliance solutions that are auditable, scalable and actionable.

Anti-Money Laundering Suite (AMLS)

AMLS is a proven, end-to-end machine learning-powered transaction monitoring & name screening solution, which improves operational efficiency, mitigates the risk of money laundering and reduces the cost of compliance.

AMLS comprises of two modules: AMLS-TM for transaction monitoring and AMLS-NS for names and sanctions screening.

The solution offers many benefits such as:

Incorporated in November 2014 in Singapore, the company is currently led by a core team with cumulative 150-years' experience in finance, AI, Big Data Analytics and financial crime. Tookitaki is backed by institutional investors Jungle Ventures, Enterprise Singapore (Singapore Government) and Illuminate Financial and have a presence in the US, Singapore and India.

Tookitaki

- Improves risk coverage by identifying new suspicious transaction reports/suspicious activity reports (STRs/SARs).
- Reduces false positives and improves efficiency in the alerts disposition process.
- Provides detailed explanations for every alert to ensure better regulatory compliance.
- Provides actionable analytics for an integrated AML view across key components of transaction monitoring and name screening.
- Complements and integrates seamlessly with existing AML systems.

Most Promising Innovation (Bronze)

Spark Systems

Founded in 2016, Spark Systems is a Singapore-based FinTech company that provides all-around high-tech solutions for forex (FX) trading. The platform connects buyers and sellers directly, and aims to resolve existing issues in FX trading

SPARK SYSTEMS

SparkFX Platform

SparkFX is a trading platform, with a unique solution such as:

- Innovative & Efficient FX Aggregation
- Ultra-Low Latency Execution
- Extremely Low Rejections
- Enhanced and Optimised User Experience
- Whitelabelling/ Sell Side / Pricing Engine

Commercialization potential of the solutions are as below:

- Aggregator –easy to use modern graphical interface
- Algorithm –designed for optimal execution

Company	Product/ Solution
Best Adoption (Public Sector) **National Parks Board** The National Parks Board (NParks) of Singapore is the lead agency for greenery, biodiversity conservation, wildlife and animal management. With the aim of maintaining Singapore's extensive urban greenery, NParks continuously innovates to enhance operational effectiveness and meet challenges such as climate change. Today, NParks manages four nature reserves, more than 350 parks as well as an estimated 2 million urban trees.	**Digitalisation of Tree Management** The Digitalisation of Tree Management plays a key role to meet the challenges of managing Singapore's greenery. It supports NParks transformation from providers of: • Basic tree care services (e.g. tree planting and tree pruning) to managers of tree risks (e.g. tree health and safety assessment, and species selection). • Collection of Information for Tree Health Assessment –through sensors, mobile field equipment and integrated systems; and • Building Analytics and Modelling to understand Tree characteristics
Best Adoption (Enterprise) **Parkway Hospitals Singapore** Parkway Pantai is one of Asia's largest integrated private healthcare providers operating in Malaysia, Singapore, India, China, Brunei and United Arab Emirates. For over 40 years, its Mount Elizabeth, Gleneagles, Pantai, Parkway and Fortis brands have established themselves as the region's best known brands in private	**AI-Powered Pre-Admission Cost of Hospitalization Estimation (APACHE)** APACHE is a scalable plug-and-play system that provides high availability, fault-tolerance, and real-time processing of high-volume estimate requests. APACHE provides highly accurate cost estimates, dynamically generated based on relevant parameters such as the patient's age, gender, length of stay in hospital (i.e normal room or Intensive Care / High

healthcare, synonymous with best-in-class patient experience and outcomes.	Dependency Unit), admitting diagnosis and/or surgical procedures etc.
Leveraging its global track record for medical excellence and managing world-class hospitals, Parkway Pantai is committed to making a difference in people's lives through excellent patient care, steadily expanding its reach in markets where demand for quality care is strong and growing. Parkway Pantai is a leading healthcare player in its home markets of Malaysia, Singapore and India and key growth markets of China and Hong Kong. It is part of IHH Healthcare, one of the world's largest healthcare groups by market capitalisation. IHH operates more than 15,000 licensed beds across 80 hospitals in 10 countries worldwide, offering the full spectrum of integrated healthcare services from clinics to hospitals to quaternary care and a wide range of ancillary services including medical education. Parkway Pantai	

Best Adoption (SME)

York Launch Service and Maritime Technologies (R&D)

Started in 1993 with a fleet of 6 old wooden launches, York Launch Service provides launch services to the different anchorages around Singapore and has since grown to be the leading provider for launch services boasting the largest fleet in Singapore.

Book-a-Launch (B-a-L)

A launch service ferries passengers or small cargoes to/from the hundreds of ships that arrive and anchor in Singapore's port daily. These ships call at Singapore for various operations and bring in substantial income and value for Singapore due to our competitiveness and ability to keep their turn-around fast.

The maritime sector contributes 7% of Singapore's GDP. As such, the launch service is critical because any delays or disruptions will incur costs to these ships and Singapore very dearly.

"Book-a-Launch" is an operation system that incorporates agile and flexible ERP, CRM that are tailored for the launch industry specifically. It also connects them digitally with their customers.

Company	Product/ Solution
Student Techblazer (Gold) **Singapore University of Technology and Design** Bifrost allows companies to build AI in a week instead of a year. Autonomous vehicles, robots and drones need hundreds of thousands of images and video to learn about the world around	**Bifrost- Accelerated AI through Synthetic Data** Bifrost is a synthetic data platform that will give AI engineers the ability to create and access quality artificial datasets using synthetic data generation technology.

them. Collecting these images is the most time-consuming and expensive step when building AI. Instead of capturing data from the real world, Bifrost generates custom virtual worlds. These worlds let our clients capture rich data at a fraction of the time and cost.

With this platform, engineers will have access to affordable, fast and high quality labelled data, unlocking the enormous potential of AI development at scale.

Student Techblazer (Silver)

School of Science And Technology, Singapore

The School of Science and Technology, Singapore (SST) is a Specialised Independent School that offers a distinctive 4-year GCE O-Level programme with an integrated approach to applied learning. Learning in SST is multi-faceted as students gain a strong foundation of key academic concepts in core subjects like Mathematics and Science. Receiving institutions of graduated students have reported that the SST students demonstrate a distinct difference in the way they approach their

CodeCollab

CodeCollab is a real-time code editor and compiler aimed at aiding both students and teachers learn together in a collaborative classroom environment.

CodeCollab currently supports 16 programming languages, and is used in 2 Secondary Schools in Singapore.

learning, indicating that the school is well on its way to becoming a global leader in transforming learning and nurturing passionate innovators through real-world applications of science and technology. For more information, visit

www.sst.edu.sg

Student Techblazer (Bronze) **Anglo-Chinese School (Independent)** Founded in 1886, Anglo-Chinese School (Independent) is a school under the Singapore Ministry of Education and an International Baccalaureate (IB) World School. ACS (Independent) is distinctive for its quest for excellence and focus on all-round, values-centric development, anchored in a school environment of family and community. For more information, please visit https://www.acsindep.moe.edu.sg/ 	**MedACS – Medicine Automated Control System** An integrated medication scheduling, provision and reminder system. With a smartphone app, MedACS supersedes existing systems by offering a system which remotely and automatically tabulates and schedules pill dispensal.