Catalyst Award Teams 2025

Project name	Members	Year	School	Major/s
AutoAspira: Enhancing Breast FNA with Multimodal Mechanical Agitation	Neha Chellu	2025	WSE	Biomedical Engineering
	Hassan Farah	2027	WSE	Biomedical Engineering
	Moonhyung (Bruce) Lee	2025	WSE	Biomedical Engineering
	Youran (Peggy) Li	2025	WSE	Biomedical Engineering
	Derek Minn	2027	WSE	Biomedical Engineering
	Ishir Sharma	2025	WSE	Biomedical Engineering
	Sangmita Singh	2025	WSE	Biomedical Engineering
	Shreya Tiwari	2027	WSE	Biomedical Engineering
Cryotherapy Device for Deep Skin Targeting	Maanya Bajaj	2026	WSE	Biomedical Engineering
	Harrsha Kumar	2025	WSE	Biomedical Engineering
	Helen Wang	2026	WSE	Biomedical Engineering
	Alana Yee	2026	WSE	Biomedical Engineering
	Alice Yu	2026	WSE	Biomedical Engineering
MelaKnowMore: A Noninvasive Device for the Quantitative Characterization of Melanoma in Situ	Stephanie Anyanwu	2025	WSE	Biomedical Engineering
	Ethan Chang	2027	WSE	Biomedical Engineering
	Ella Holterman	2026	WSE	Biomedical Engineering
	Sabahat Rahman	2025	WSE	Biomedical Engineering
	Yunjie (Tina) Tian	2027	WSE	Biomedical Engineering
	Brendon Young	2027	WSE	Biomedical Engineering
Parametric Core Body Temperature Measurement	Ryan Chou	2025	WSE	Biomedical Engineering
	Jack Coursen	2025	WSE	Biomedical Engineering
	Prisha Rathi	2027	WSE	Biomedical Engineering
RefMe - Surgery Scheduling System	Shivam Aarya	2027	WSE	Computer Science
	Kaui Lebarbenchon	2027	WSE	Applied Mathematics & Statistics
	Daniel Yao	2027	WSE	Biomedical Engineering
An Acoustic Tonometer to Improve Glaucoma Monitoring for Global Health Applications	Maria Giannakopoulos	2026	WSE	Biomedical Engineering
	Ivan-Alexander Kroumov	2027	WSE	Biomedical Engineering
	Hyun Seo (Emily) Lee	2025	WSE	Biomedical Engineering
	Elliot Leow	2027	WSE	Biomedical Engineering
	Ben Miller	2025	WSE	Biomedical Engineering
	Ashish Nalla	2025	WSE	Biomedical Engineering
	Valerie Wong	2025	WSE	Biomedical Engineering
	ShuYi (Nancy) Yan	2027	WSE	Biomedical Engineering

Catalyst Award Teams 2024				
Project name	Members	Year	School	Major/s
LESTRADE (Lateral-flow Enhanced Self-test for Tuberculosis Rapid Assessment and Disease Evaluation) — A Rapid Point-of-Care Test for TB Detection	Milun Jain	2026	WSE	Biomedical Engineering
	Atharva Mulay	2026	WSE	Chemical & Biomolecular Engineering
	Viraaj Reddi	2026	WSE	Biomedical Engineering
Utilizing Large Language Models for Holistic Patient Care Summaries	Birkram Bains	2026	WSE	Biomedical Engineering
	Sampath Rapuri	2026	WSE	Biomedical Engineering
	Edgar Robitaille	2026	WSE	Biomedical Engineering
Facilitating Robotic Surgery Skill Acquisition for Residents	Prisha Jhala	2026	WSE	Biomedical Engineering
	Jasime Kaur	2026	WSE	Biomedical Engineering
	Erick Rocher	2024	WSE	Biomedical Engineering
	Ishir Sharma	2025	WSE	Biomedical Engineering
	Mason Song	PhD	WSE	Biomedical Engineering
	Andrew Ying	2025	WSE	Biomedical Engineering
MedTheia: A Novel NLP-based Tool for Automatic Visualization of Electronic Health Records	Claire Chung	2026	WSE	Biomedical Engineering
	Qi "Lisa" Hou	2024	WSE	Biomedical Engineering
	Sean Kao	2026	KSAS	Molecular & Cellular Biology, Public Health Studies
	Jiwoo Noh	2025	WSE	Biomedical Engineering
	Wu Han "Enoch" Toh	2026	WSE	Computer Science, Molecular & Cellular Biology
	Dianzheng "Ricky" Yu	2026	WSE	Chemical & Biomolecular Engineering
Multimodal Brain-Machine Interface Facilitated Electric-Powered Wheelchair Control with Real-Time User Correction	Zihan "Grace" Huang	2026	WSE	Biomedical Engineering
	Sidharth Pavuluri	2026	KSAS	Neuroscience, Computer Science
	Terru Qu	2024	WSE	Computer Science
	Aleander Tinana	2025	WSE	Materials Science & Engineering
	Daniel Wang	2026	WSE	Biomedical Engineering
	Yipeng "Peter" Wang	2026	KSAS	Neuroscience
	Xingyu "Brian" Zhou	2025	WSE	Biomedical Engineering

Catalyst Award Teams 2023

Project name	Members	Year	School	Major/s
IMEDS: Automated Sedation Assessment in the PICU	Feiyang Huang	2023	WSE	Biomedical Engineering
	Jake Hoffman	2026	WSE	Biomedical Engineering
	Audrey Lacy	2025	WSE	Biomedical Engineering
	Junseong Park	2023	WSE	Biomedical Engineering
	Barbara Pejic	2024	WSE	Biomedical Engineering
	Sidharth Raghaven	2026	WSE	Biomedical Engineering
	Tanvi Ranade	2026	WSE	Biomedical Engineering
	Sayantika Roy	2024	WSE	Biomedical Engineering
VentrAlarm: Post-Operative Monitoring Of Ventral Hernia Repairs	Aiesha Chaudhry	2026	WSE	Biomedical Engineering
	Zan Chaudhry	2023	WSE	Biomedical Engineering
	Ojas Chajal	2025	WSE	Biomedical Engineering
	Alex Chao	2024	WSE	Biomedical Engineering
	Ria Dani	2026	WSE	Biomedical Engineering
	Rhyan Schweyk	2026	WSE	Biomedical Engineering
	Smriti Srikanth	2024	WSE	Biomedical Engineering
	Michelle Wang	2024	WSE	Biomedical Engineering