Section A

Time Slot	Student Name		Thesis Title	Company
9:00 - 10:40	Ahad	Khan	Light Business Case Modeling Tool Development for Manufacturing Innovations in the Biopharmaceutical Industry	Sanofi
	John	Martins	A Machine Learning Approach to Sleep Study Selection for Diagnosing Obstructive Sleep Apnea	Resmed
	Justin	Yu	Optimizing the Deployment of Interferometer-Based Quality Control in Contact Lens Manufacturing	Johnson & Johnson
	Ishan	Patel	Quantifying and Optimizing Vehicle Variant Complexity in a Direct-to-Consumer Automotive Business Model	Rivian
	Ninad	Mahajan	Leveraging AI to Streamline Medical Device Post-Market Surveillance	Stryker
10:40 - 10:55	BREAK			
10:55-12:35	Abhilash	Rao	Measuring and Managing Complexity in Manufacturing Systems	American Industrial Partners
	Paisley	Tarboton	Automating Design-for-Manufacturing Workflows: Lessons from Composite Ply Kit Design	Re:Build Manufacturing
	Brian	Fedewa	Job Shop Capacity Expansion: A Site Stand-Up Framework and Simulation-Based Policy Evaluation	LFM Capital
	Mason	West	Optimizing Inventory Under Uncertainty: Practical Base-Stock Policies for Manufacturing Firms	LFM Capital
	Isabel	Gervis	Accelerating Front-End Planning of Biopharmaceutical Capital Projects Through Project Management and AI Interventions	Amgen Inc.
12:35 - 1:05	LUNCH			
1:05-2:45	Roberto	Interiano	Operational Cycle Degradation Modeling for Improved Battery Storage Degradation Assessment	NextEra
	Josefine	Tijssen	Unlocking Efficiency and Growth through Data Analysis and Process Improvement in Small and Medium-Sized Manufacturing Enterprises	LFM Capital
	Matt	Johnson	Improving Operational Excellence in Mining Exploration	American Industrial Partners
	Eric	Hess	Framework for Reducing Variability in Composite Manufacturing	Boeing
	Joe	Moehrle	Data-Driven Approaches to Make-or-Buy Decisions in High-Mix Manufacturing	Blue Origin

Section B

Time Slot	Student Name		Thesis Title	Company
9:00 - 10:45	Sameena	Shaffeeullah	Improving Decision Intelligence in Large-Scale Robotics Programs	
	David	Wu	Connected Insights in an End-to-End Supply Chain	Nike
	Andrea	Jimenez Fernandez	AI Sparked Innovation: Utilizing Large Language Models and Multi-Agent Systems as an Innovation Partner for Automating Customer Discovery and Opportunity Ideation	
	Sloane	Sambuco	CAT: Coverage-Aware Testing — A Framework for Testing Black-Box ML Systems with Human-AI	
	Maci	Prescott	Predictive Maintenance via Adaptive Machine Learning and Integrated Data Architecture	Stanley Black & Decker (SBD)
10:45 - 11:00	BREAK			
11:00 - 12:30	Tyler	Rauenzahn	Establishing Operational Altitudes for Nuclear Thermal Propulsion in Earth-Orbit	Blue Origin
	Billy	Gunawan	Multi-Item Shipment Fulfillment Optimization	
	Matt	Hoel	Assessing Risk of Upstream Mineral Supply Disruptions for Battery Energy Storage Systems	NextEra
	Jeremy	Rosenblatt	Optimization-Enabled Strategic Capacity Planning at a Biopharmaceutical Manufacturer	Amgen Inc.
	April	Hu	Distilling Expert Judgment: Efficient Reasoning-Based Evaluation of Enterprise Support Agents	
12:35 - 1:05	LUNCH			
1:00 - 2:45	Joe	Atie	Utilizing Machine Learning to Automate & Optimize Project Prioritization	Blue Origin
	Matthew	Gardner	Quantifying Spaceflight Solar: Sizing and Costing Solar Arrays for Perovskite Photovoltaics	Blue Origin
	Aigneis	Frey	Predicting and Automating Weather-Driven Slip Risk in Autonomous Mining Truck Fleets.	Caterpillar
	Ben	Maltbie	Agentic Reinforcement Learning for Competitor-Aware Customer Retention	Verizon

Section C

Time Slot	Student Name		Thesis Title	Company
9:00 - 10:45	Gideon	Feifke	Augmenting High-Fidelity Warehouse Simulation with Python to Unlock Warehouse Optimization	Target
	Junru	Ren	Multi-Agent Simulation of Procurement Negotiations	Nike
	Patrick	Scheri	Joint Prepaid and Postpaid Switching Propensity	
	Milani	Chatterji-Len	Agentic AI Implementation for Energy Project Risk Review	NextEra
	Daniel	Raucci Romano	Systems Engineering Meets Manufacturing: Optimizing Mining Equipment Assembly via SEEGOL	Caterpillar
10:45 - 11:00	BREAK			
11:00 - 12:30	Richard	Moyer	Parametric Modeling for Lead Time Reduction in High-Mix, Low-Volume Shops	LFM Capital
	Kendall	Munsey	A Generative AI Troubleshooting Tool and Adoption Framework for Biopharmaceutical Manufacturing	Amgen Inc.
	John	Zeeman	A Machine Learning Framework for Optimized and Reduced Experimentation in Cell Culture Process Characterization	Amgen Inc.
	Charles	Boury	Copper Reclamation Program Asset Optimization	
	Caroline	Liu	Managing Digital Health Product Portfolios with a First-Principles Systems Framework: MAPPS	Resmed
12:35 - 1:05	LUNCH			
1:00 - 2:45	Shiyu	Su	Value-Optimized Retention: Integrating Predictive Modeling and Dynamic Decision Logic for Treatment-Sensitive Targeting	
	Dimitris	Koutentakis	Scaling Electric Vehicles Zero-Emissions Delivery with Adaptive Directed Charging Operations	
	Anastasiia	Holubova	Dynamic Abuse Prevention System for AV Ride-Hailing: Integrating ML-Powered Risk Scoring with an Operational Response Framework	Waymo, LLC
	Marine	Maisonneuve	Stochastic Optimization and Predictive Modeling for Hybrid Distributed Energy Investments in Commercial Buildings	
	Max	Torke	Capacity Value Modeling in California Grid	NextEra