

Department of Industrial Engineering

List of FYDP's for 2K22 IE

#	Supervisor	Topics	Reg. No.	Student Names
1	Prof Dr. Mirza Jahanzaib	A manufacturing system to reduce learning curve in production environments	22-IE-03	M. Bilal Inayatullah
			22-IE-18	Umair Sadiq
2	Prof Dr. Wasim Ahmed	Innovative Automotive Product Development using Vacuum Forming	22-IE-16	Muhammad Umer
			22-IE-27	Maail Ehtisham
3		Development of a Lean-Oriented Value Stream Mapping Application with Analytical Capabilities	22-IE-06	Bilal Hassan
			22-IE-30	Zulqarnain Mustafa
4	Dr. Muhammad Khurram Ali	Development of a Neural Network-based Recommender System using Multiagent Reinforcement Learning and Large Language Models	22-IE-13	Haider Ali
			22-IE-17	Arsalan Ali
5		Intelligent Warehouse Auditing via Robotic Vision and Learning	22-IE-02	Syed Hamza Khurshid
			22-IE-24	Muhammad Uzair
6	Dr. Salman Hussain	Design and development of IOT based smart manufacturing System	22-IE-21	Aleesha Mustafa
			22-IE-37	Mateen Anum
7		A Smart Pneumatic Process Line for Industry 4/0	22-IE-15	Hameez Ahmed
			22-IE-35	Nusrat Ali
8		Intelligent Wheel Chair for Blind Patients	22-IE-34	Muhammad Asim Shahzad
			22-IE-43	Hamad Iftikhar
9	Dr. Saifullah	Patient Lifting and Transfer Wheel Chair in Variable Health Conditions using Digital Twins	22-IE-01	Dania Qirat Khalid
			22-IE-11	Badea Farid
10		Machine Learning in Quality Control	22-IE-04	Momina Khan
			22-IE-08	Kainat

11	Dr. Abid Ali	Design, analysis, and optimization of an innovative shifter cart incorporating geared engine technology	22-IE-12	Muhammad Rafay Ahmad
			22-IE-26	Mursalean Waris
12	Dr. Muhammad Sajid	Design and Development of innovative extrusion machine for recyclable filament	22-IE-09	Atif Bashir
			22-IE-20	Abdul Muqheet Hashmi
13		Way forward to Technopreneurship: a case study of Production line design of faucets products using additive manufacturing coupled with die/sand casting	22-IE-25	Mukarram Rehman
			22-IE-38	Roman Fateh
14	Dr. Zaheer Ahmad	Development of an Intelligent Cobot System for Automated Pick and Place Tasks	22-IE-23	Hamza Hameed
			22-IE-44	Mohammad Umer Iftikhar
15	Dr. Zahid Rashid	Analysis of work related musculoskeletal disorders and redesigning manual work stations for reduced risk in a manufacturing setup	22-IE-41	Usman Bashir
			22-IE-42	Saad Abdullah
16	Dr. Aisha Tayyib	Artificial intelligence based digital twin system for predictive maintenance in manufacturing	22-IE-28	Muhammad Usman
			22-IE-31	Eitisam Sarwar
17		A hybrid approach of lean manufacturing and machine learning for predictive quality control	22-IE-36	Um E Habiba
			22-IE-40	Raeesa Ashraf
18	Dr. Muhamad Jawad	Online monitoring of welding defects in intelligent fusion welding process	22-IE-19	Malik Muhammad Zuraiz Awan
			22-IE-05	Muhammad Zulfiqar Ali