

Department of Industrial & Manufacturing Engineering
IM-409: Final Year Design Project
Project List



F/SOP/FYDP
02/03/00

Batch: 2020

Semester: Fall – 2023

G. No.	Project Title	Student Name	Seat No.	Supervisor/Co-Supervisor	Industry
1	AI Vision based inspection system for the quality control of products	Huzaifa Saeed	IM-20054	Dr. M. Wasif/ Dr Anis Fatima	
		Mahad Ali Khan	IM-20067		
		Sufiyan Arif	IM-20071		
		Zorain Ahmed	IM-20072		
2	Pareto and root cause analysis of defects and solution.	Muhammad Ashar Siddique	IM-20322	Ms. Rabia Siddiqui	Star Denim Pvt.Ltd.
		Fahad Ali Khan	IM-20048		
		Syed Ali Haider	IM-20320		
		Ali Raza Kazmi	IM-20021		
3	Sampling & Production Process Control	Ahmed Mirza	IM-20107	Ms. Rabia Siddiqui	H. Nizam Din & Sons
		Areesha	IM-20316		
		Bisma Shahzad	IM-20318		
		Muhammad Saboor Khan	IM-20321		
4	Design and development of automotive part cross member .	Aqsa Eijaz	IM-20310	Dr Maqsood Ahmed Khan	Hino PaK
		Samiya Khan	IM-20312		
		Sadia Khan	IM-20311	Mr Raheel Adeel	
		Farheen Jamshed	IM-20309		
5	Streamlining Operations: Enhancing Productivity through Value Stream Mapping and Recourse Optimization.	Adina Mir	IM-20035	Ms. Rabiya Zubair	Transsion Tecno Electronics (Pvt) Limited.
		Kashaf Zehra	IM-20005		
		Essa Ahmed Siddiqui	IM-20317	Mr Mashiat	
		Muhammad Turrab	IM-20106		
6	Production Enhancement of an Existing Manufacturing Line Dedicated to a Classified Defense Item.	Muhammad Kashan	IM-20110	Ms. Rabiya Zubair	Alsons Industries Pvt. Ltd.
		Syed Nyle Mustufa	IM-20109		
		Rabees Farooq	IM-20099	Mr Raheel Adeel	
		Fariha Zaman	IM-20030		
7	Evaporation Rate Optimization.	Muhammad Alyan Jamal	IM-20097	Dr Aqeel Ahmed	Engro Powergen Thar Limited
		Aiman Javed	IM-20045		
		Syed Ahsan	IM-20045		
		Bilal Naeem	IM-20115		
8	Improvement in Smart helmet (Phase II).	Eshal Ahmed	IM-20036	Mr Zaid	
		Mahnoor Kamran	IM-2034		

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		Malik Hudair	IM-20020			
		Muhammad Haroon	IM-20027			
9	Numerical modeling of structured cutting tool	Maheen Sadiq	IM-20002	Dr. Anis Fatima		
		Wania Mustafa	IM-20006			
		Zainab Shafiq	IM-20029			
		Arisha Firdous Ahmed	IM-20022			
10	Smart Health and Safety Compliance System	TAMKINAT SHABBIR	IM-20075	Dr Asim Zaheer		
		ALISHBA ASIF	IM-20304			
		TAHIR ALAM	IM-20313	Mr Danish Saleem		
		AHMED MUSTAFA	IM-20315			
11	BOPP Packaging Line Installation	Syeda Sara Ahmed	IM-20041	Mr Zaid Khan	Allah Wala Engineering-Tetra Packaging	
		Rabia Anber	IM-20044			
		Sher Dil Khan	IM-20065			
		Muhammad Hasan Khalid	IM-20073			
12	Cost Reduction and Waste Minimization by using Lean Manufacturing	Muhammad Anas Qadri	IM-20056	Ms Rabiya Zubair	Tecno Pack Electronics Pvt. Ltd	
		Hassan Ali Khan	IM-20050	Mr Raheel Adeel		
		Furqan Ahmed	IM-20070			
		Taha Akber	IM-20074			
13	Lean Manufacturing	Moiz Ahmed	IM-20088	Ms Naima Jawaheed	H. Nizam Din & Sons	
		Moiz Umer	IM-20092			
		Wajahat Ali	IM-20095			
		Muhammad Ammar Khan	IM-20098			
14	Design and performance Analysis of Bladeless Wind Turbine System for sustainable Energy.	Muhammad Abubakar	IM-20049	Dr Shakee; Ahmed		
		Muhammad Anas Saleem	IM-20053			
		Muhammad Burhan Ahmed	IM-20059			
		Zeesan Fazal	IM-20058			
15	A Study on Dual Sourcing Implementation for Ensuring Consistent Quality in Manufacturing	Syed Ali Moin	IM-20093	Ms. Rabia Siddiqui Mr Raheel Adeel	Hino Pak	
		Zarman Khan	IM-20100			
		Mustafa Khalid Khan	IM-20112			
		Ghulam Murtaza	IM-200			
16	AI based Tool Path Planning	Tehniyat Zehra	IM-200	Dr. M. Wasif/ Dr Anis		

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	of Spiral Bevel or Hypoid Gear Machining using CNC milling machine	Areesha Ahsan	IM-20004	Fatima	
		Zakia	IM-20007		
		Aaira Shahid	IM-20001		
17	Development of model/ideal garments stitching line based on lean methodology	Muhammad Usama	IM-20094	Ms Rabiya Zubair	Star Denim Pvt.Ltd.
		Adnanullah	IM-20		
		Usama Nasir	IM-20102		
		Burhan Ahmed	IM-20105		
18	Integrated Sustainability water Resource Optimization and design of automatic solar panel maintenance system for Pharmaceutical Plant	Muhammad Rahim Khan	IM-20009	Mr Raheel Adeel / Dr Wasif	Lucky Core Industries
		Ameer Hamza	IM-20010		
		Hamza Tariq Alvi	IM-20040		
		Hamza	IM-20013		
19	Maximizing process capability of inspection machine through lean tools	Abdullah Siddiqui	IM-20066	Ms. Naima Jaweed	Thal Engineering
		Muzammil Maqsood Khan	IM-20047		
		Hamza Arshad	IM-20060		
		Maheer Ali	IM-20046		
20	Enhancing the surface finish of composite products' mold through the Machine Learning Technique	Muhammad Daniyal Siddiqui	IM-20051	Dr. M. Wasif/ Dr Anis Fatima	
		Muhammad Usman Habib	IM-20068		
		Hanzla Aqeel	IM-20063		
		Muhammad Arqam Suleman	IM-20319		
21	An IoT based intelligent automated production line for smart manufacturing	Sozain Shakeel	IM-20082	Mr. Danish	
		Fatima Rafiq	IM-20081		
		Atqa Khurshid	IM-20084		
		Ayesha Rafiq	IM-20083		
22	Designing of Returnable Racks Packing for supply chain and process Improvement	Ali Hasnain	IM-20104	Mr Zaid Khan	
		Mohammad Ahmad Khan	IM-20057		
		Ubaid Ur Rehman	IM-20114		
		Danish Ahmed	IM-20111		
23	Quality System verification of inspection process of	Hifsa Hanif	IM-20033	Ms. Naima Jaweed	Thal Engineering
		Farheen Zehra	IM-20003		

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	Electric Wiring Harness.	Sidra Imtiaz	IM-20033		
		Shahzaib Ahmed	IM-20301		
24	Development of Sheet Bending Machine	Rimsha Anwar	IM-20023	Mr Zaid Khan	
		Munazzah	IM-20031		
		Muhammad Hassan Tahir	IM-20314		
		Taha Siddiqui	IM-20308		
25	Revamping of Inventory Control Mechanism	Moez Uddin HAider	IM-20307	Ms Rabiya Zubair	
		Shayan Ahmed	IM-20037		
		Naba Zaheer	IM-20306		
		Aliza Ismat	IM-20303		
26	Calculating Value Stream Mapping and Improving Production Department Efficiency.	Sheikh Zaeem Ahmed	IM-20103	Dr Aqeel Ahmed,	
		Hamza Ahmed	IM-20091		
		Adnanullah	IM-20101		
		Ali Siddiqui	IM-20090		
27	In house Development of Wind Deflector, Process Planning Layout and Standardization via Lean Tools.	Muhammad Humza	IM-20019	Mr Raheel Adeel	
		Hassan Saeed	IM-20016		
		Munam Raza	IM-20008		
		Muhammad Fahad	IM-20011		
28	Waste Reduction of Preforms, Closures and Labels on Automated Line # 5 at Aquafina by Leveraging Six sigma Methodology	Shahtas Yaseen	IM-20042	Dr Anis Fatima	Aquafina
		Midhat Jamal	IM-20043		
		Salaar Ahmed	IM-20064		
		Muhammad Bilal	IM-20018		
29	Conversion of Bicycle into Electric Bicycle.	Muhammad Mudassir Hussain	IM-20302	Dr Maqsood Ahmed Khan	
		Jazim Faizan	IM-20015		
		Maria Jawed	IM-20305		
		Hasnain Khan	IM-20039		

FYDP Coordinator

FYDP Review Committee Head

Chairperson