

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



F/SOP/FYDP
02/03/00

Batch: 2021

Semester: Fall – 2024

S.No	G.No.	Project Title	Student Name	Seat No.	Supervisor/Co-Supervisor	Industry
01	G-1	Optimizing Supply Chain Efficiency using machine learning techniques.	Jaweria Jawed	IM-21043	Mr Danish Saleem	
			Misbah	IM-21055		
			Hamza Ahmed	IM-21057	Dr Wasif	
			Muhammad Areeb Shah	IM-21028		
02	G-2	Digital Twin Using Lathe Machine.	Zabbiyan	IM-21098	Mr Danish Saleem	
			Muhammad Anas Nadeem	IM-21033		
			Zain-ul- Abidin	IM-21034	Dr. Wasif	
			Syed M. Rabia Shah	IM-21030		
03	G-3	Enhancing Operational Performance and Productivity through Industry 4.0 enabled smart Manufacturing Technologies.	Salal Shaid	IM-21026	Danish Saleem	ATLAS Honda
			Aiman Tariq	IM-21084		
			Arzina Noor	IM-21086		
			Duaa Zehra	IM-21090		
04	G-4	A simulation study of Automated Storage and Retrieval System (ASRS) in Warehouse Operations.	Sajal Ayaz	IM-21052	Dr Shakeel Ahmed	Lucky Textile
			M. Abdullah Khan	IM-21058		
			Humna Siddiqui	IM-21041		
			Sufyan Feroz	IM-21059		
05	G-5	Design and prototyping of a 3D Surface profiling device using optical imaging.	M. Mubashir Aftab	IM-21105	Dr Wasif	
			Anusha Ahmed	IM-21020	Mr Danish Saleem	
			Abdullah Sikandar	IM-21037		
			Muhammad Zohaib	IM-21115		
06	G-6	Streamlined Machine Inventory Management using an existing Barcode System.	Javeria Talha	IM-21054	Dr Shakeel Ahmed	Lucky Textile
			Tahira Hanif	IM-21044		
			Zoya Khan	IM-21046	Mr Mashiattullah	
			Areeqa Iqbal	IM-21092		
07	G-7	Optimizing Maintenance Management in Stitching Lines for Improved Operational Efficiency.	Huzaiifa Shamim	IM-21069	Dr Shakeel Ahmed	Lucky Textile
			Yushara Arshad	IM-21050		
			Syeda Warda Hussain	IM-21007		
			Ayesha Asif	IM-21047		
08	G-8	Waste and Defect Reduction using Statistical process control, Quality tools and lean Methodologies.	Zunaria Siddiqui	IM-21006	Ms. Rabia Siddiqui	THAL Packaging
			Afsheen Khan	IM-21013		
			Zoha Niaz	IM-21306	Mr. M. Salman	
			Faiza Javeed	IM-21309		
09	G-9	Design and Development of an	Mustafa Shahid	IM-21100	Dr Shakeel	Pharma

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		automated quality using AI for a pharma product.	M. Taha Kidwai	IM-21112	Ahmed	
			Rohaam Amir	IM-21120	Mr	
			Talha Shahood	IM-21097	Mashiatullah	
10	G-10	Design and development of portable 5KW flywheel based excersinig for power generation.	Abdullah Ahmed	IM-21074	Dr Shakeel	
			M. Ishraq	IM-21066	Ahmed	
			Jawwad Khan	IM-21076	Mr	
			Saif Ferzi	IM-21060	Mashiatullah	
11	G-11	Commercialized prototype of smart workstation 2.0.	Aniq Ahmed Ansari	IM-21070	Dr Wasif	
			Ramal Abid	IM-21042		
			Elaif Shahid	IM-21053	Mr Danish	
			Bisma Khalid	IM-21051	Saleem	
12	G-12	To Study the effect of Ultrasound on hydrogen generation using alkaline water electrolysis process.	Maaz M. Asim	IM-21063	Dr Shakeel	Eco fuel
			Ahmed		Ahmed	PK
			Arslan Abdul Majid	IM-21064		
			Fiza Quraishy	IM-21048		
			Javeria Baig	IM-21045		
13	G-13	Implementing or improving automation system in the refinery to enhance efficiency, safety and precision in manufacturing processes.	Haleema Sadia	IM-21088	Mr.	PRL
			Sumayya Hafeez	IM-21095	Muhammad	
			Adeeba Gul	IM-21302	Salman	
			Mahnoor Faiz	IM-21081		
14	G-14	Implementing Lean Manufacturing Principles at English Biscuits Manufacturers (EBM), A path to operational excellence.	Muhammad Sameed	IM-21025	Ms. Rabiya	English
			Muhammad Umar	IM-21030	Zubair	Biscuits
			Sydea Faeza Fatimah Naqvi	IM-21003		Manufacturers
			Masooma Raza	IM-21017		(EBM)
15	G-15	Energy Optimization of HVAC system using an AI based Predictive Control Algorithm	M. Fahad Alam	IM-21308	Dr Wasif	
			Maaz Ahmed	IM-21106	Mr Danish	
			Sharjeel Mughal	IM-21102	Saleem	
			Khushi Iqbal	IM-21303		
16	G-16	Enhance Sustainability & Recycling.	Zakriya	IM-21056	Ms Javeria	THAL
			Farwa Sajjad	IM-21301		Packaging
			Mahira Armaan	IM-21079	Ms Naima	
			Rutaba Gul	IM-21049		
17	G-17	Improve Lead Time and Efficiency of Internal Supply Operations Through PERT Analysis and Job Balancing.	Asadullah Khan	IM-21039	Ms Naima	IMC
			Muhammad Sarim	IM-21024		

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			Mallick			
			Muhammad Bilal Akhtar	IM-21029		
			Muhammad Fariq	IM-21031		
18	G-18	Development of Parts Supply Dollies Using CAD and Reverse Engineering Techniques.	Muhammad Hasan Khan	IM-21071	Mr. Muhammad Zaid Khan	IMC
			Syed Taha Hasan	IM-21072		
			Habib Muhammad	IM-21077		
			Wasiq Ahmed Malik	IM-21061		
19	G-19	Implementing Real time Inventory Monitoring through advanced digitalization techniques.	Syed Shehroz Ali	IM-21304	Ms. Rabiya Zubair	IMC
			Bilal Hassan Khan	IM-21021		
			Waleed Hussain	IM-21023		
			Mohammad Shaheer Khan	IM-210096		
20	G-20	Determination of workplace utilization factor of 5 axis CNC Machine Tool.	Basit Ali	IM-21104	Dr Aqeel Ahmed	
			Tanzila Tabbusum	IM-21085		
			Alishba Khan	IM-21089		
			Muhammad Abdullah	IM-21114		
21	G-21	TPM Project in textile industry to build capabilities and improve maintenance.	Nashrah Siddiqui	IM-21093	Ms Naima	Gul Ahmed Textile
			Mizlah Khan	IM-21096		
			Muhammad Shozab Siddiqui	IM-21103		
			Salman Ahmed	IM-21117		
22	G-22	Design and development of Automated Guided Vehicle (AGV) for integrated cleaning and water dispensing.	Asim Azeem Khan	IM-21073	Mr Mashiatullah	Lucky Textile
			Wasif Ahmed	IM-21305		
			Jawad Akram	IM-21078		
			Faris Ahmed Qazi	IM-21065		
23	G-23	implementation of predictive quality analytics enhancing product quality in AGP limited.	Hamna Himayun	IM-21082	Dr Wasif	AGP LIMITED
			Yumna Moin	IM-21083		
			Fatima Feroz	IM-21087	Mr Danish Saleem	
			Fakhrunisa Aman	IM-21094		
24	G-24	Minimizing Inventory Waste using Lean Methodologies.	Arsal Alam	IM-21307	Ms. Rabiya Zubair Ms Sadia Majeed	linkotex sourcing
			Abdul Basit	IM-21101		
			Ali Hasan	IM-20069		
			M. Ammar	IM-21040		
25	G-25	Cost Optimization & Process Integration in FMCG.	Hanzala Ahmed Shamsi	IM-21032	Ms Rabia Siddiqui Mr Danish	
			Faiza Mashkoor	IM-21010		
			Ifrah Tanvir	IM-21014		

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			Mahboor Ahmed Siddiqui	IM-21015		
26	G-26	Make a calculator or TNA System to calculate the lead time of each process time from order placement to shipment.	Unzila Tahir	IM-21001	Mr Mashiattullah	Liberty Textile
			Rohina Rais Siddiqui	IM-21008		
			Qirat Bilal	IM-21018		
			Aimon Rauf	IM-21019		
27	G-27	Automatic UV-Coating by roller mechanism revolution for enhanced efficiency and performance optimization.	Dua Fareed	IM-21002	Dr Shakeel Ahmed	Shahid Tea Company
			Ilsa Nadeem	IM-21004		
			Faira Anjum	IM-21011		
			Ahsan Jahangir	IM-21075		
28	G-28	Feasibility Study of Biomass boiler integration in an industrial energy portfolio.	M. Qanot Zafar	IM-21107	Mr Zaid Khan	
			Shaheer Zaid Shah	IM-21118		
			Sameed Zain Shah	IM-21116	Mr Rabia Siddiqui	
			Shahbaz Ali Bhano	IM-21099		

FYDP Coordinator

FYDP Review Committee Head

Chairperson