

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



F/SOP/FYDP
02/03/00

Batch: 2019

Semester: Fall – 2022

S. No.	Project Title	Student Name	Supervisor/Co-Supervisor	Industry
1	Development of Quality KPIs for Alternate Vehicle Technologies	1. Muhammad Hamza Arshad (IM-19028) 2. Shah Mohammad Ahad (IM-19017) 3. Muhammad Ali Shaikh (IM-19019) 4. Abbas Khan (IM-19040)	Mr Ali Zulqarnain	
2	IoT-Based Automated Storage and Inventory Management System	1. Arqam Maqsood (IM-19015) 2. Muhammad Shuqran Siddiqui (IM-19032) 3. Faizan Ahmed (IM-19033) 4. Jawwad Ahmed Hussaini (IM-19036)	Dr Muhammad Wasif	
3	Fabrication of IoT-Based Inspection System	1. Abdul Wajid (IM-19018) 2. Muhammad Ali Ur Rehman (IM-19025) 3. Maheen Akhtar (IM-19082) 4. Aafia Ahsan (IM-19121)	Mr Ali Zulqarnain	
4	Alternate Heating Source for Phosphating Line to Eliminate Boilers	1. Fabiha Akhtar (IM-19001) 2. Farnaz Raza Khan (IM-19002) 3. Omama khan (IM-19005) 4. Rafia Shamim (IM-19010)	Dr Aqeel Ahmed	Atlas Honda
5	Efficiency Optimization in Knits Department via Lean Manufacturing Tools & Techniques	1. Hamza Jameel (IM-19038) 2. Adeena Abdul Ghaffar (IM-19004) 3. Aimen Hayat (IM-19009) 4. Muhammad Hasnain Mustafa Jafri (IM-19022)	Ms Rabiya Zubair	Liberty Mills Ltd.
6	Implementation of Lean Manufacturing for Productivity Enhancement in an Automotive Industry	1. Hafsa Wahid (IM-19008) 2. Syed Sajjad Hasnain Kazmi (IM-19026) 3. Hamza Ali (IM-19030) 4. Ali Ahmed (IM-19039)	Ms Naima Javed	PCI Automotive Pvt. Ltd.
7	Supplier Selection Criteria for a Petroleum Company	1. Muhammad Minhaj (IM-19012) 2. Rafay Ahmed Siddiqui (IM-19035) 3. Kiran Aslam (IM-19007) 4. Muhammad Taqi Abbas (IM-19024)	Ms Rabiya Zubair	Asia Petroleum Ltd.

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IM-409: Final Year Design Project
Project List



F/SOP/FYDP
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8	Fabrication of Bio-Inspired Robotic Arm Capable of Sensing Physical Properties	<ol style="list-style-type: none"> 1. Muhammad Allyan Ansari (IM-19037) 2. Syeda Anumta Ausaf (IM-19003) 3. Maheshwari Sagar Kumar (IM-19013) 4. Ali Mustafa (IM-19011) 5. Ammar Azhar (IM-19110) 	Ms Maria Iruj	
9	Designing & Fabrication of an Automatic Wet Cleaning System for a 1.5MW Solar Plant	<ol style="list-style-type: none"> 1. Syed Zain ur Razak (IM-19029) 2. Syed Osaid Bin Iftekhhar (IM-19021) 3. Muhammad Ebad (IM-19027) 4. Ghazanfar Ali (IM-19031) 	Dr Maqsood Ahmed Khan	Al-Noor Sugar Mills
10	Redesigning the Assembly Line of Switchgears to Increase Efficiency & Improve Productivity	<ol style="list-style-type: none"> 1. Abdul Basit (IM-19070) 2. Misbah (IM-19301) 3. Arbakan Akram (IM-19071) 4. Muhammad Rehan (IM-19065) 	Dr Muhammad Fahad	Siemens Pakistan Engineering Co. Ltd.
11	Development of a Dashboard for Performance Monitoring of an Organization	<ol style="list-style-type: none"> 1. Ebadullah Khan (IM-19057) 2. Aafaque Ali (IM-19014) 3. Ameen Uddin (IM-19067) 4. Mohsin Zia Qureshi (IM-19072) 	Mr Ali Zulqarnain	
12	Productivity Improvement Using Lean Tools	<ol style="list-style-type: none"> 1. Sadia Maqsood (IM-19044) 2. Varisha Amir (IM-19047) 3. Umama Saleem (IM-19048) 4. Ramya ilyas (IM-19049) 	Dr Muhammad Fahad	SGL-Midas Safety
13	Corolla Cross Parts Space Creation in Assembly Shop Through TPS Kaizen Viewpoint	<ol style="list-style-type: none"> 1. Saad Khan (IM-19061) 2. Fatima Faheem (IM-19050) 3. Muhammad Hassaan Farooqi (IM-19051) 4. Muhammad Bilal (IM-19054) 	Ms Rabiya Zubair	Indus Motor Company Ltd.
14		<ol style="list-style-type: none"> 1. Muaaz Hussain Qureshi (IM-19075) 2. Zaryab Raza Khan (IM-19056) 3. Mohammad Shoaib (IM-19078) 4. Rabail Fatima (IM-19087) 	Dr Muhammad Fahad	
15	Process Improvement through Lean Manufacturing	<ol style="list-style-type: none"> 1. Muhammad Roohan Khan (IM-19079) 2. Muhammad Aman Khan (IM-19068) 	Dr Muhammad Fahad	Eastern Garments Private Limited

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



F/SOP/FYDP
02/03/00

		3. Muhammad Mursalin Kamran (IM-19069) 4. Muhammad Osama (IM-19304)		
16	Improving Manufacturing Process Using the 8Ds Method	1. Maaz Ahmed (IM-19058) 2. Maryiam Waseem (IM-19045) 3. Sadeya Aijaz (IM-19041) 4. Hassan Sheikh (IM-19080)	Ms Rabia Siddiqui	Artistic Milliners
17	Frame Body Line Workload Line Balancing & Reduction of Manpower Through Low-Cost Automation (Welding Shop)	1. Syeda Areeba Ali (IM-19046) 2. Laiba Rafi (IM-19043) 3. Syed Muhammad Azmat Pasha (IM-19053) 4. Muhammad Taaha Ahsan (IM-19074)	Dr Maqsood Ahmed Khan	Atlas Honda Ltd.
18	Process Optimization through Lean Manufacturing	1. Syed Areeb Ahmed (IM-19303) 2. Shaheer ul Hassan (IM-19055) 3. Muhammad Jawad Ali (IM-19302) 4. Faisal Bashir (IM-19306)	Ms Rabiya Zubair	Martin Dow Ltd.
19	Modification into the Motorcycle Helmet with Indicator Facility – a Small Smart Business Initiative	1. Muhammad Ahsan Nezami (IM-19066) 2. Affan Baqai (IM-19060) 3. Mohammad Areeb Aleem (IM-19059) 4. Aleena Wasim (IM-19120)	Mr Muhammad Zaid Khan	
20	Design & Manufacturing of a Laser Marking/Engraving Machine for a Small Auto Industry	1. Hamza (IM-19077) 2. Rao Muhammad Ibrahim (IM-19052) 3. 2. Muhammad Sameed Akbar (IM-19073) 4. 3. Muhammad Haider (IM-19063)	Dr Shakeel Ahmed	
21	Designing a Conversion Mechanism to Transform Gasoline Engines into Electric Engines	1. Taha Siddique (IM-19102) 2. Hafiz Muhammad Huzaifa Nawazi (IM-19105) 3. Muhammad Shayan Ali Baig (IM-19117) 4. Harris (IM-19305)	Mr Muhammad Zaid Khan	

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



F/SOP/FYDP
02/03/00

22	Productivity Enhancement in a Textile Industry by Using Lean Tools	<ol style="list-style-type: none"> 1. Shahmir Nadeem (IM-19098) 2. Ehtisham Ahmed (IM-19092) 3. Ayesha Afsar (IM-19042) 4. Muhammad Hamza (IM-19076) 	Dr Muhammad Fahad	Yunus Textile Mills Ltd.
23	Designing of Smart Solar Power Generation System for Residential Place	<ol style="list-style-type: none"> 1. Hunain Shahid (IM-19112) 2. Syed Mustufa Ahmed (IM-19016) 3. Hasan Aamir (IM-19093) 4. Muhammad Subhan Siddiqui (IM-19106) 	Mr Ali Zulqarnain	
24	Enhancement of Capabilities for Automotive Part Manufacturers by Mitigation of PPM	<ol style="list-style-type: none"> 1. Hadiqa Shahid (IM-19081) 2. Syed Wasif Ahmed (IM-19096) 3. Bushra Shaikh (IM-19086) 4. Abdul Rehman Jawaid Khan (IM-19122) 	Dr Muhammad Fahad	HINOPAK Motors
25	Designing of Smart HVAC System for Residential/Commercial Use	<ol style="list-style-type: none"> 1. M Areeb Uddin (IM-19123) 2. M Saad Khan (IM-19090) 3. Maheen Azam (IM-19084) 4. Attqa Naseem (IM-19088) 	Mr Ali Zulqarnain	
26	Optimization of Energy by Using a Single Compressor Instead of Multiple Compressors	<ol style="list-style-type: none"> 1. Naveed Ahmed Amin (IM-19114) 2. Muhammad Aliyan Tariq (IM-19094) 3. 3.Muhammad Raffey Azeem (IM-19101) 4. Osama Tariq (IM-19125) 	Mr Muhammad Zaid Khan	Sabeena Engineering
27	Application of the A3 Methodology for Improvement of an Assembly Line	<ol style="list-style-type: none"> 1. Shahmir Khan (IM-19097) 2. Ahmed Saleem (IM-19104) 3. Sabir Ali Solangi (IM-19124) 4. Sadiq Ahmed (IM-19127) 	Ms Rabia Siddiqui	Indus Motor Company Ltd.
28	Efficient Machine Utilisation of Printing Machine	<ol style="list-style-type: none"> 1. Muhammad Muskaat (IM-19126) 2. Hafsa Muhammad Younus (IM-19085) 3. Muhammad Shahmir (IM-19100) 4. Syed Irtaza Ali (IM-19099) 	Ms Naima Javed	Gul Ahmed Textile Mills Ltd.
29	Study on Change Over Time & Material Wastage Optimization in Weaving	<ol style="list-style-type: none"> 1. Kaab Ibne Aamir (IM-19103) 2. Muhammad Abdullah Qureshi (IM-19091) 3. Zeeshan Ali (IM-19095) 	Ms Javeria Yunus	Feroze Textile 1888

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F/SOP/FYDP
02/03/00

		4. Muhammad Farrukh (IM-19115)		
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FYDP Coordinator

FYDP Review Committee Head

Chairperson