

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



F/SOP FYDP/02/00

Batch: 2018

Semester: Fall 2021-22

S. No.	Project Title	Student Name & Roll No.	Supervisor/Co-Supervisor	Industry
1	Development of Model Smart Factory Based on Industry 4.0 Requirements	1. Tooba Bashir (IM-18041) – TL 2. Osama Munir (IM-18051) 3. Huda Fahim Khan (IM-18079) 4. Habib Ahmed Muddassir (IM-18056)	Dr Muhammad Wasif / Dr Anis Fatima	IMD
2	Development of <i>Smart Workstation 2.0</i>	1. Saad Ur Rehman Baig (IM-18032) – TL 2. Abbad Ali (IM-18023) 3. Saad Ul Haq Hasni (IM-18038) 4. Muhammad Osama (IM-18036)	Dr Muhammad Wasif / Mr Ali Zulqarnain	IMD
3	Reduction of Wastages in Stitching Department using Lean Principles	1. Dua Maqsood (IM-18037) – TL 2. Aiman Farooq (IM-18003) 3. Wasam Masud (IM-18031) 4. Mazhar Iqbal (IM-18004)	Dr Syed Mehmood Hasan / Mr Shakeel Ahmed	Mustaqim Dyeing & Printing Pvt. Ltd.
4	Productivity Enhancement and Lead Time Reduction	1. Rawabi Shamim (IM-18022) – TL 2. Hashim Zia (IM-18039) 3. Ali Javed (IM-18019) 4. Fahim Ali (IM-18029)	Dr Syed Mehmood Hasan / Ms Naima Javed	Liberty Mills Limited
5	Simulation of automated assembly line of domestic gas meters using robots and minimum labour.	1. Manahil Khan (IM-18082) – TL 2. Saman Khan (IM-18085) 3. Aamna Syed (IM-18093) 4. Maham Adil (IM-18100)	Dr Sheheryar Mohsin Qureshi / Dr Muhammad Wasif	Sui Southern Gas Company Limited
6	To Analyze and Control Surface Defects of Glazed Tiles before and after Gloss Firing.	1. Muhammad Owais Ali (IM-18012) – TL 2. Muhammad Hassan Ali (IM-18013) 3. Numair Ehsan Sheikh (IM-18028) 4. Fahad Rais (IM-18034)	Dr Muhammad Fahad / Dr Maqsood Ahmed Khan	Shabbir Tiles & Ceramics Ltd.

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7	Lead time reduction in processing	<ol style="list-style-type: none"> 1. Muhammad Saad Khan (IM-18002) – TL 2. Jibran Ibrahim (IM-18016) 3. Muhammad Haris (IM-18017) 4. Osaja Ali (IM-18025) 	Ms Rabia Zubair / Dr Syed Mehmood Hasan	Liberty Mills limited
8	Manufacturing Waste Reduction in a Garments Industry	<ol style="list-style-type: none"> 1. Abdullah Hasan Khan (IM-18011) – TL 2. Saif Saeed (IM-18015) 3. Ubaid Uddin (IM-18009) 4. Aman Yaseen (IM-18005) 	Ms Rabia Siddiqui / Mr Ali Zulqarnain	Artistic Milliners
9	Productivity Improvement of Copper Tubing Line (Split-AC) by Lean Tools	<ol style="list-style-type: none"> 1. Shahzaib (IM-18048) – TL 2. Muhammad Fazeel Khan Warsi (IM-18050) 3. Abdul Rashid (IM-18067) 4. Ghazanfar Sami (IM-18068) 	Dr Aqeel Ahmed / Dr Asim Zaheer	Dawlance
10	Design and Implementation of Optimized Inventory Management System	<ol style="list-style-type: none"> 1. Abdul Rehman (IM-18073) – TL 2. Daniyal Wahab (IM-18042) 3. Nabeel Faisal (IM-18055) 4. Mirza Ali Abbas (IM-18077) 	Ms. Rabia Zubair / Dr Syed Mehmood Hasan	Artistic Milliners - Unit 4
11	Fabrication of Narrow Channel Medical Catheter Capable of Exhibiting Snake Like Motion for the Purpose of Ventriculostomy Procedure	<ol style="list-style-type: none"> 1. Ghufran Ul Islam (IM-058) – TL 2. Muhammad Emmad Siddiqui (IM-043) 3. Muhammad Suleman Safdar Mughal (IM-071) 4. Muhammad Ahsan Khurshid (IM-074) 	Ms Maria Iruj / Dr Muhammad Wasif	IMD
12	Development and implementation of Quality Management System in SOORTY textile mills	<ol style="list-style-type: none"> 1. M. Nehal Ahmed – (IM-18081) – TL 2. Fawad Malik (IM-18076) 3. Iqra Rafique (IM-18102) 4. Arsalan Yusuf (IM-18008) 	Dr Muhammad Fahad / Ms Javeria Younus	Soorty Pvt. Ltd.

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13	Finite Element Simulation of Drilling Based on Third Wave Systems Advant-Edge or Deform 3D	<ol style="list-style-type: none"> 1. Sibghat Ullah Khan (IM-18001) – TL 2. Izaan Khan (IM-18014) 3. Hadia Sajjad (IM-18035) 4. Zeeshan Khan (IM-304) 	Mr Syed Raheel Adeel / Mr Muhammad Zaid	IMD
14	Integrating Blockchain Technology with an Industrial Process	<ol style="list-style-type: none"> 1. Areeba Iqbal (IM-18113) – TL 2. Ujala Kanwal (IM-18097) 3. Areej Dilshad (IM-18094) 4. Rabiya Ali (IM -18096) 	Dr Sheheryar Mohsin Qureshi / Ms Sadia Majeed	IMD
15	Foot Step Power Generation	<ol style="list-style-type: none"> 1. Syed Ahsan Tahir (IM-18090) – TL 2. Faizan Farrukh (IM_18095) 3. Jibran Jabbar (IM-180111) 4. Zohaib Ahmed (IM-18084) 	Mr Syed Raheel Adeel / Ms Saima Yaqoob	IMD
16	Business Process Re-Engineering to Maximize Profit	<ol style="list-style-type: none"> 1. Rouhan Ahmed Khan (IM-18075) – TL 2. Usama Saif (IM-18066) 3. Syeda Zainab Haider Naqvi (IM-18059) 4. Syeda Hafza Jamil (IM-18046) 	Ms. Sadia Majeed / Dr Syed Mehmood Hasan	Hinopak Motors Limited
17	SAP Data Analysis (Result & Optimization suggestions) & Implementation of Lean Six sigma.	<ol style="list-style-type: none"> 1. Ateeq Ahmed (IM-18080) – TL 2. Ata Ur Rehman (IM-18061) 3. Habiba Ansari (IM-18049) 4. Hassaan Ahmed (IM-18047) 	Mr Muhammad Zaid / Dr Syed Mehmood Hasan	Alsons Auto Parts (Pvt.) Ltd.
18	Implementation of Supply Chain Principles in Textile Industry	<ol style="list-style-type: none"> 1. Shibrah Fatima (IM-18010) – TL 2. Iqra Bilekhia (IM-18020) 3. Safeer Memon (IM-18030) 4. Abdullah Sameer (IM-18033) 	Dr Syed Mehmood Hasan / Dr Anis Fatima	Mustaqim Dyeing and Printing Pvt. LTD.
19	Import Parts Receiving and Operation Design to track Stock Movement	<ol style="list-style-type: none"> 1. Syeda Maryam Afzal – TL (IM18302) 2. Hadia (IM-18301) 3. Salman Ahmed (IM-18303) 	Dr Syed Mehmood Hasan / Ms Sadia Majeed	Indus Motor Company Ltd.

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		4. Muhammad Mahad (IM-18072)		
20	Implementation of Lean Manufacturing in Assembly Line	<ol style="list-style-type: none"> 1. Abdul Hannan – TL (IM-18101) 2. Muhammad Muzammil (IM-18103) 3. Syed Muhammad Maaz (IM-18082) 4. Alyan Sheikh (IM-18091) 	Dr Muhammad Fahad / Ms Naima Javed	R&I Electrical Appliance (Pvt Ltd)
21	Optimization of Accessories Stores Inventory through Lean Manufacturing	<ol style="list-style-type: none"> 1. Muhammad Anas Mashhood – TL (IM-18087) 2. Anus Shabbir (IM-18099) 3. Hassan Ali (IM-18089) 4. Ali Noman Nazar (IM-18065) 	Dr Asim Zaheer / Dr Syed Mehmood Hassan	Yunus Textile Mills
22	Warehouse & Material Handling Management	<ol style="list-style-type: none"> 1. Umaima Nasim – TL (IM-18053) 2. Areesha Kiran (IM-18069) 3. Usama Fayyaz (IM-18063) 4. Talha Ahmed (IM-18044) 	Dr Asim Zaheer / Dr Syed Mehmood Hassan	Pakistan Cables Limited
23	Application of Data Science in Industrial Engineering	<ol style="list-style-type: none"> 1. Basil Zaidi – TL (IM-18007) 2. Nashmiya Mohtram (IM-18027) 3. Sheikh Muhammad Asharif Ali (IM-18018) 4. Atba Asif (IM-18305) 	Dr Asim Zaheer/ Ms Anis Fatima	Revenue Healthcare LLC.
24	Implementation of Lean Manufacturing in Denim Industry	<ol style="list-style-type: none"> 1. Arsal Minhaj Malik – TL (IM-18098) 2. Muhammad Asharib Sameed (IM-18106) 3. Ali Bin Shakil (IM-18110) 4. Abdullah Hussain (IM-18114) 	Dr Muhammad Fahad / Ms Shaheen Perveen	Soorty Enterprises (Pvt) Ltd.

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25	To identify and improve bisque quality by reducing defects from production process	<ol style="list-style-type: none"> 1. Syed Haider Zaidi – TL (IM-18064) 2. Syed Muhammad Rizwan (IM-18045) 3. Muhammad Ahsan (IM-18052) 4. Arisha Tariq (IM-18024) 	Dr Muhammad Fahad / Dr Maqsood Ahmed Khan	Shabbir Tiles & Ceramics Ltd
26	To improve the alignment and manage the warehousing system of the industry	<ol style="list-style-type: none"> 1. Wasiqa Maniar – TL (IM-18070) 2. Syeda Rameesha Saeed (IM-18054) 3. Shehzil Qayum (IM-18060) 4. Shabbir (IM-18306) 	Ms Sadia Majeed / Dr Syed Mehmood Hassan	Yunus Textile Mills
27	Using Lean methodology to reduce wastage and increase efficiency	<ol style="list-style-type: none"> 1. Alisha Fayyaz – TL (IM-18086) 2. Zohaib Nadeem khan (IM-18104) 3. M. Misbah Qureshi (IM-18105) 4. Sufyan Siraj Bhagat (IM-088) 	Mr Muhammad Zaid / Dr Syed Mehmood Hasan	Yunus textile mills
28	Rule Development and Process Standardization for Inventory Handling	<ol style="list-style-type: none"> 1. Abdul Moiz Eraj – TL (IM-18107) 2. Syeda Laiba Batool (IM-18092) 3. Monis Alvi (IM-18112) 4. Syed Muhammad Usama (IM-18109) 	Dr Syed Mehmood Hasan / Ms Naima Javed	Toyota Indus Motor Company Ltd.

FYDP Coordinator: _____
Dr Sheheryar Mohsin Qureshi

FYDP Review Committee Head: _____
Dr Shakeel Ahmed

Chairperson: _____
Dr Maqsood Ahmed Khan