

## Final Year Project Showcase Batch-2021 For the Year 2025

Department of Economics and Management Sciences		
Name of Programme: Management Sciences		
1	<b>Project Idea</b>	<p><b>Title: Evaluating the Impact of Digital Procurement Transformation at DP World Karachi</b></p> <p>The project investigates how the implementation of Oracle Fusion has digitally transformed procurement at DP World Karachi (QICT), focusing on process efficiency, cost reduction, data accuracy, and supplier collaboration.</p>
2	<b>Process</b>	<p>We conducted a mixed-method study involving interviews with procurement professionals at DP World and analysis of internal data before and after the adoption of Oracle Fusion. The project involved mapping traditional vs. digital procurement flows, identifying inefficiencies, and evaluating improvements post-digitalization.</p>
3	<b>Outcome</b>	<p>Improved procurement cycle time Reduction in manual tasks and operational costs Enhanced supplier evaluation and selection Real-time data availability for decision-making Recommendations for further optimization of the digital process</p>
4	<b>Evidence (Theoretical Basis)</b>	<p>The project builds on digital transformation frameworks, procurement process theories, and empirical studies on ERP system implementations (e.g., Oracle Fusion). Literature on supply chain digitalization and case studies on ERP-led procurement transformation were reviewed.</p>
5	<p><b>Competitive Advantage or Unique Selling Proposition</b> (Cost Reduction, Process improvement, Attainment of any SDG (Sustainable Development Goal), increase of market share or capturing new market or having superior performance over a competitor. In summary, any striking aspect of the project that compels the industry to invest in FYP or purchase it. Some detailed description is required in terms of how, why when what. You can select one or more from the following dropdown and delete the rest of them) Please keep relevant options, delete the rest of them, and correct the sequence</p>	
a	<b>Cost reduction of existing Product</b>	<p>The digital transformation at DP World through Oracle Fusion reduced operational costs by minimizing manual paperwork, decreasing procurement cycle delays, and lowering error rates. Automation of purchase requisitions and supplier communications helped in optimizing resource allocation and labor utilization.</p>
b	<b>Process Improvement which leads to superior product or cost reduction, efficiency improvement of the whole process</b> (e.g. What is the issue in current process and what improvement you suggests)	<p>The core issue in the traditional procurement process was its manual, paper-based nature which caused delays, lack of transparency, and poor supplier tracking. Oracle Fusion enabled end-to-end digital procurement workflows with real-time tracking, automated approvals, and centralized data, leading to improved efficiency, reduced cycle time, and</p>

		better compliance. These improvements ensured faster decision-making and better vendor performance evaluation.
c	<b>Attainment of any SDG</b> (e.g. How it is achieved and why it is necessary for the region)	<ul style="list-style-type: none"> <li>SDG 8 Decent Work and Economic Growth: By automating routine procurement tasks, the system enhances employee productivity, reduces workload stress, and allows staff to focus on more strategic functions. This fosters a more skilled, efficient, and empowered workforce promoting inclusive and sustainable economic growth within the port and logistics sector.</li> <li>SDG 9 Industry, Innovation, and Infrastructure: The implementation of Oracle Fusion modernizes infrastructure and promotes innovation in procurement operations.</li> <li>SDG 12 Responsible Consumption and Production: Efficient procurement planning and supplier collaboration reduce waste and promote better resource utilization.</li> </ul>
d	<b>Expanding of Market share</b> (e.g. how it expand and what is the problem with the current market)	By implementing a more efficient digital procurement system, DP World strengthens its service delivery to shipping clients and port users. Enhanced transparency and faster operations improve client satisfaction and reliability, helping DP World stay ahead of regional competitors and secure a larger share of import-export handling business.
e	<b>Capture new market</b> (e.g. Niche market or unaddressed segment)	The digital procurement framework designed for DP World Karachi can be scaled and adapted to other port terminals, logistics companies, and even government supply departments. This positions the solution as a product that can enter new markets that are currently underserved by digital systems.
f	<b>Any Environmental Aspect</b> (e.g. carbon reduction, energy-efficient, etc.)	The shift from paper-based procurement to a fully digital system reduces paper usage, cuts down on unnecessary transport and documentation handling, and supports a more energy-efficient operation. This contributes indirectly to carbon footprint reduction and aligns with global environmental and green port practices.
g	<b>Any Other Aspect</b>	The project equips decision-makers with real-time, accurate procurement analytics, enabling better forecasting, budgeting, and supplier negotiations. This data-centric approach fosters strategic sourcing and procurement planning, which is a significant leap from reactive decision-making in traditional procurement setups.
6	<b>Target Market</b> (Industries, Groups, Individuals, Families, Students, etc) Please provide some detail about the end-user of the product, process, or service	Ports, logistics companies, manufacturing firms, and large-scale organizations aiming to modernize their procurement systems. Especially relevant for industries dependent on large vendor bases and strict regulatory compliance.



7	Team Members (Names & Roll No.)	Mr. Saad Hasan ( <a href="mailto:shasan0103@gmail.com">shasan0103@gmail.com</a> ) Ms. Samra Khan ( <a href="mailto:samraa_khnn@yahoo.com">samraa_khnn@yahoo.com</a> ) Ms. Fareeha Arif ( <a href="mailto:fareehaarif2002@gmail.com">fareehaarif2002@gmail.com</a> ) Mr. Muhammad Arib Hussain ( <a href="mailto:arib200hussain@gmail.com">arib200hussain@gmail.com</a> )
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