

Project for ZZ-1103 Introduction to Digital Transformation (2025)

First you should form a group of 2 to 3 students. Then you are required to select a project title that focuses on the concept of digital transformation. The project should consist of 3 sections, each highlighting a unique perspective within this context:

1. **Technology Perspective:** This section should focus on researching and presenting the technological innovations and tools relevant to your chosen topic, including their potential to enhance delivery or outcomes.
2. **Business Analyst Perspective:** This section should analyze the business and operational challenges associated with your topic. It should address key issues such as cost, scalability, and efficiency, as well as propose potential solutions for successful implementation.
3. **Leadership Perspective:** This section should adopt the viewpoint of a leader or CEO, combining technological and business insights to demonstrate how digital transformation can be effectively integrated into your chosen project to improve organizational success and outcomes.

Deliverables:

Written Report:

- The report should be comprehensive and include detailed discussions of the three perspectives (Technology, Business Analyst, and Leadership).
- Format: 2,000-3,000 words, including references and visual aids (e.g., graphs, diagrams).
- Include a clear introduction, methodology, analysis, and conclusion.

Presentation Slides:

- Prepare a set of clear slides summarizing the key points from your report.
- The slides should be well-organized, visually appealing, and clearly highlight the main takeaways from each section (Technology, Business Analyst, Leadership).
- Use visuals such as charts, graphs, and diagrams where necessary to support your points.

Oral Presentation:

- Each group will be given 15 minutes presentation time to present.
- The presentation should cover the key findings from the report, with a focus on how digital transformation can improve your business strategy.
- A 10 min Q&A session will follow after your presentation.

ZZ-1103 Time Line:

Mon 29th September 2025 Submission of the Project Topic and brief write up on what you like to achieve.

Wed 01st October 2025 (Graded Quiz 1)

Wed 08th October 2025 (Class Test 1)

Wed 15th October 2025 Submission of the Project Report: (**Carry 15% of the total marks, need to highlight each members' contribution in the project**)

Wed 22nd October 2025 (Graded Quiz 2)

In class presentation schedule (**Carry 15% of the total marks, all members of the group should share and present**)

Mon 27th October 2025 (Randomly selected 4 groups)

Wed 29th October 2025 (Randomly selected 4 groups)

Mon 03rd November 2025 (Randomly selected 4 groups)

Wed 05th November 2025 (Remaining Groups)

Group presentation order will be done on by a draw in a later date in the class.

Wed 12th November 2025 (Class Test 2):

Indicative Project Titles (These titles are generated using AI):

1. **Digital Transformation in Healthcare:** Explore how digital technologies like telemedicine, electronic health records, and AI-driven diagnostics are transforming healthcare delivery and patient care.
2. **Smart Manufacturing:** Investigate the role of Industry 4.0 technologies, such as IoT, AI, and big data analytics, in creating smart factories and optimizing production processes.
3. **Digital Transformation in Education:** Analyze the impact of online learning platforms, AI-based personalized learning, and digital content delivery in modernizing education.
4. **E-Government Initiatives:** Study how governments are leveraging digital technologies to improve public services, enhance transparency, and increase citizen engagement.
5. **Digital Transformation in Retail:** Examine how e-commerce, mobile apps, and AI-driven recommendation systems are reshaping the retail industry.
6. **Financial Services and Fintech:** Explore the impact of digital banking, blockchain, and fintech solutions on the financial services industry.
7. **Sustainable Digital Transformation:** Investigate how digital tools can support sustainability efforts, such as reducing carbon footprints through smart grids or optimizing resource usage in supply chains.
8. **Digital Transformation in Logistics and Supply Chain Management:** Analyze the role of technologies like IoT, blockchain, and AI in enhancing supply chain efficiency, transparency, and resilience.
9. **Digital Twins in Urban Planning:** Study how digital twin technology is being used to create virtual models of cities for planning, simulation, and decision-making.
10. **Cybersecurity in the Digital Age:** Explore the challenges and strategies in securing digital infrastructures as organizations undergo digital transformation.
11. **AI and Machine Learning in Business Transformation:** Investigate how AI and machine learning are driving business transformation through predictive analytics, automation, and decision-making.
12. **The Role of Cloud Computing in Digital Transformation:** Explore how cloud computing is enabling businesses to scale, innovate, and transform their operations.
13. **Digital Transformation and Customer Experience:** Analyze how companies are leveraging digital tools to enhance customer engagement, personalize experiences, and improve satisfaction.
14. **Smart Cities and Urban Transformation:** Examine how digital technologies are being used to create smart cities that improve the quality of life for residents through intelligent infrastructure, services, and governance.