

Project guidelines

In this project, you are to discuss how current technologies (data warehouse, NoSQL, NewSQL, 4G, 5G, WiFi, Big data, IoT, smart cities, etc.) are shaping current technical solutions and how are they being used to achieve business success. However, current solutions and business are not sustainable and will need to cope with fast-paced hardware, software, and business applications. With the deployment of new technologies (such as smart IoT devices, new larger data volumes, AI, analytical tools, smart grid, smart agriculture, supply chain, location-tracking tools, 5G, and 6G), more challenges will appear in terms of security, privacy, performance, data governance, accuracy and business decisions.

Figures: Your final report should include illustrative figures (6-12) that you draw. No copy paste. Each figure has a number and caption.

Tables: You might need tables to compare between entities. For examples, a comparison in speed between 5G and 6G or Data volumes over years, etc. Each table has a number and caption.

Length of your report: It should be between 8-12 pages. Font type Times New Roman, 12 font size (body text) and 14 for headings.

Your report should include the following components.

Abstract

Summary and the purpose of your project (one paragraph, 5-6 lines)

Introduction:

Provide an introduction about the background and aspects in general that help the reader understand the problems that are being addressed in the project. This includes any social, technological, economical, security, telecommunication, etc. aspects of your project.

Detailed descriptions and discussions of the technological and business topics that your project is addressing. For example, topics in the food industry, smart grid, supply chain, IoT, edge computing, Data management in the era of 6G, etc. Each individual topic appears as a section. A sections might have subsections to provide a full description and discussion.

Conclusion

Provide the findings/outcomes/conclusions that the reader must pay attention to in order to value your project work discussions. (one paragraph, 5-7 lines)

References

Minimum of 12 and maximum of 30 references. Use square brackets [] for references and arrange them as they appear in the text that is, first reference appearance gets [1], second reference [2], etc.