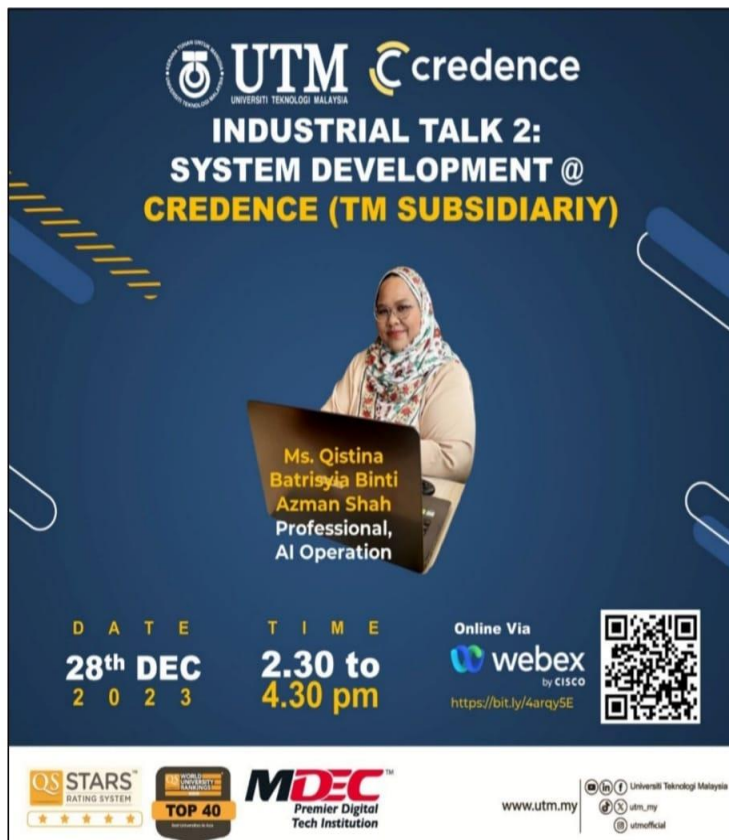


# Report- (assignment3)

**Group 2**



UTM **credence**  
UNIVERSITI TEKNOLOGI MALAYSIA

**INDUSTRIAL TALK 2:  
SYSTEM DEVELOPMENT @  
CREDENCE (TM SUBSIDIARY)**

Ms. Qistina  
Batrisyia Binti  
Azman Shah  
Professional,  
AI Operation

**DATE**  
28<sup>th</sup> DEC  
2 0 2 3

**TIME**  
2.30 to  
4.30 pm

Online Via  
**webex**  
by CISCO  
<https://bit.ly/4arqy5E>

QR Code

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**System  
Development**

# INTRODUCTION

System development is the process of defining designing, testing and implementing a new software application. It could include the customized system of internal development. System development is the art and science of creating man-made systems to satisfy the predetermined needs. It is problem-solving process where we bring to bear appropriate elements of mankind's knowledge based on creating a new knowledge specific to the problem and as a result, define a solution to the problem.

## STAGES OF SYSTEM DEVELOPMENT

The system development usually consists of several stages:

1. Planning : Define the project scope, objectives and requirements. Identify resources, timelines and potential risks.
2. Analysis : Gather and analyze user requirements to understand the functionality and features needed.
3. Design : Create a detailed system design based on the analysis. This includes architecture, database design, user interface and other other technical specification.
4. Implementation : Develop the system using the chosen programming language and tools. Coding and testing occur during the stage.
5. Testing : Thoroughly test the system for functionality, performance and security. Identify and fix the bugs.
6. Deployment : Release the system and introduce it to the users in the live environment.
7. Maintenance : Address ongoing issues, update the system and make improvements as needed.

## BRIEFING ABOUT THE CREDENCE

Credence is the new cloud and digital service company of it's parent company named Telecom Malaysia(TM). It focuses on expanding the capabilities of enterprises and public sector in their digital transformation journey. This company aims to deliver best to it's customer. This company gives the leverage to the digital company to have better productivity, lesser concern and more efficient output. Credence is the leading company on Malaysia's digital-first policy.

## TECHNOLOGIES USED BY THE COMPANY

Coding languages like java,javascript,SQL these are used by the company. For the database they mainly use postgresSQL, Clickhouse and Druid. Tableau, powerBI, Metabase and Superset these tools are used as the visualization tools. ETL technology is one of the important means of system development. So they use mainly airflow and spark there.

## WHAT IS ANALYTICS?

Analytics is the systematic analysis of the data to get the meaningful insights and make informed decisions. It involves analyzing the large number of data to identify patterns, trends, co-relations and other valuable information.

Analytics can be used by the various fields like business, finance, healthcare, transportation and more.

Data is extracted from the database, external data or social media. Then , second step is to data transformation then data by analyzing and modeling the data we can make decisions and we also can visualize it. From that we can get different kind of insights likely strategic, tactical, operational etc.

## CAREERS IN ANALYTICS

There are many interesting careers as an analytics. Data scientist is a very demanding profession nowadays. People can earn a lot of money by being a data analyst. Data architect is an rising profession and industries are looking expert professionals in that field. Business analyst may be a good choice as a profession. In this capitalistic world, emerging businesses are coming out every day so they need the services of the business analyst to help them getting and managing funds, investment tips and many more. Also jobs like BI expert, data analyst , data engineer these are very interesting and rising field where people choose as a career.

## CONCLUSION

Data science, system development, system analytics these are the emerging fields in the IT world. People can choose these professions as their career path and excel at the same time. Experts in this field are likely to make a significant contribution in the society and at the same time earning a decent amount of money.