TM

SYSTEM DEVELOPMENT @CREDENCE

INDUSTRIAL TALK 2

28TH DECEMBER

2023

TECHNOLOGY AND INFORMATION SYSTEM
ASSIGNMENT 3 REPORT

Prepared by :
Esha Shubherthee A22EC4030
Aqilla Noorshaumy A22EC4028
Someyo Kamal Utsho A22EC9007
Kak You An A23CS5002
Shams Ahmed A22EC4041
Albatoul Waleed A22EC4026
Asilah binti Mohd Razak A23CS0051
Nouredin Mamdouh Mohamed Eldesouky Elnamla A23CS0020

Speaker : Qistina Azman
Analytics Delivery, AI Operation

Journey Career In Analytics Industry

- Industrial Training as Social Media Data Analyst at TMONE [2019-2020]
- Graduated in Bachelor of Computer Science (Data Engineering) [2016-2020]
- Social Media Data Analyst & Data Engineer at TMONE [2020-2022]
- Analytics Delivery, AI Operation at Credence [2022-now]

About Company

Credence is a company that born to focus on growth of cloud and analytics. It is a service based company that gather experts to perform tasks for customers from various field. Position that offered by Credence in analytics are business analyst, data analyst, data architect, data engineer, data scientist and BI developer. Culture that currently being applied in Credence are seems to be very comfortable and flexible. Firstly, Ms Qistina has mentioned about the posibility to be known within all department as it is only a small company. Moreover, the most valuable culture according to the speaker is the company provide free courses and certifications to encourage continuous learning and development. Furthermore, in terms of empowerment and autonomy, Credence normalize a full trust on a person who have potential and confidence to lead their own project. Lastly, they have celebration of success such as giving bonus to performed staff.

Technology and Tool Use

Database/OLAP
- PostgreSQL
- ClickHouse
- Druid

Visualization Tools
- Tableau
- PowerBI
- Metabase
- Superset

ETL/ELT
- Airflow
- Spark

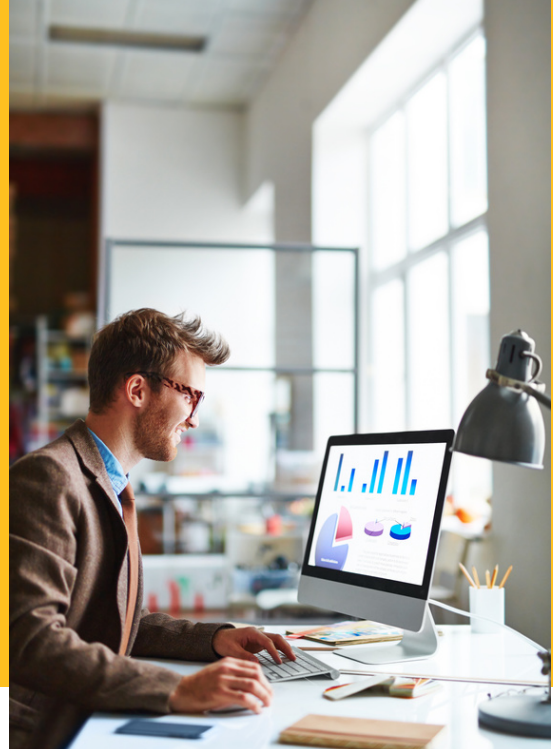### Programming Language
- SQL
- Python
- Bash Syntax

Speaker : Qistina Azman
Analytics System Develompent

Description of System Development (Analytics)

Analytics is a process of analising data to produce an insightful conclusions and identify the most wise desicion. Analytics also involve the process of examining a huge scale of data to find patterns, trends, correlations and many more important facts. This method have benifit a lot of sectors such as business, finance, healthcare, sports and transportation.

Fundamental of analytics

The fundamental of analytics are having data like structured data or external data from open source such as MAMPU. Data collected like weather and algorithms of social media will be extracted and transformed to desired data only, to continue to the next process which is analytic and modelling. The data obtained will be analysed to produced important facts and prediction. Next, it will be prepared to a meaningful visualization formed so that it can be read easily and understand by everyone. Lastly, there will be an insights based on the visualization. There are 3 level of insights which are strategic, tactical and operational. Strategic and tactical insights will be benifit by high position like CEO, COO and CTO and operational insights will be use by operation team to improve their performance.

Reflection

After hearing Qistina Azman talk about her job in analytics, I feel excited about becoming a system developer. I like how she learned and grew in her career. Credence, where she works, sounds cool with its comfy and flexible vibe. I want to be like her in the next four years by always learning new things. Qistina mentioned dealing with data and making it easy to understand, and that's something I want to get good at. I also learned that different people in a company need different kinds of information, so I want to be useful to everyone. Overall, her talk made me want to keep learning, get good at tech stuff, and be a helpful part of a team.
Nouredin Mamdouh Mohamed Eldesouky Elnamla
A23CS0020