CM-2603 Data Science Group Project

Introduction to Implementation

Week 09 | Prasan Yapa | Sriyan Fernando

Learning Outcomes

- Covers LO4 for Module

- On completion of this lecture, students are expected to be able to:

  - Identify how to start an implementation

CONTENT

- How to start an Implementation?

- Write Implementation chapter in your final report?

How to start an Implementation?

- Don't just start coding
- Think ahead
- Justify the language selection
- Discuss with your team
- Read the documentation
- Use proper coding standards
- Use Version control
- Use code comments
- Watch tutorials
- Always check online forums if you don't know something
    - Stack Overflow
    - Quora

How to Write Implementation Part in Report

You have freedom to decide the topics that should be covered in your Implementation chapter. To get an idea, check older thesis shared with you.

It should include the following, (Topic numbering should be 1.1, 1.2, 1.3, etc)

- Chapter Overview
- Overview of the prototype
- Technology selections
- Implementation of the data science component
- Implementation of the backend component
- Implementation of the front end component
- Deployments/CI-CD Pipeline
- Chapter Summary

Think about your project architecture

- Coding standards

- Use comments

- Use only 1 git repo