

# Portfolio

Sriranjini Sridhar  
ssriranjini.81@gmail.com

Data Analytics | Advanced Excel  
| Python | SQL | SAP-ABAP |  
Visual Storyteller



Note: Please click on the icon ( , , ,  ) displayed in all the slides to view the project details

# Framing Structured Thinking

Monalco Mining:



Monalco Mining is one of the world's largest iron ore mining companies in the world and has offices located across the globe.

Problem Statement: Would Monalco be able to make profit by exhibiting reduction of 20%(\$9M) in ore-crusher maintenance and operating expenditure by 31st December 2020?

Applied Structured Thinking and Problem solving using :

- HDEIP Framework
- Used SMART principles to create a problem statement worksheet.
- Created Mutually Exclusive Collectively Exhaustive (MECE) Issue Trees.
- Created Value Driver Trees.

# Financial analysis

Financial analysis is the application of analytical techniques to understand the underlying health of a business.

Analyzed Southern Water Corp case study to derive the following insights

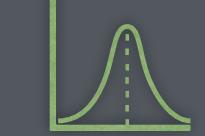


- Create a problem statement
- Create value driver trees
- Complete revenue analysis
- Total operational expenses
- Complete EBIT calculations
- Create a PowerPoint presentation to present visualized data

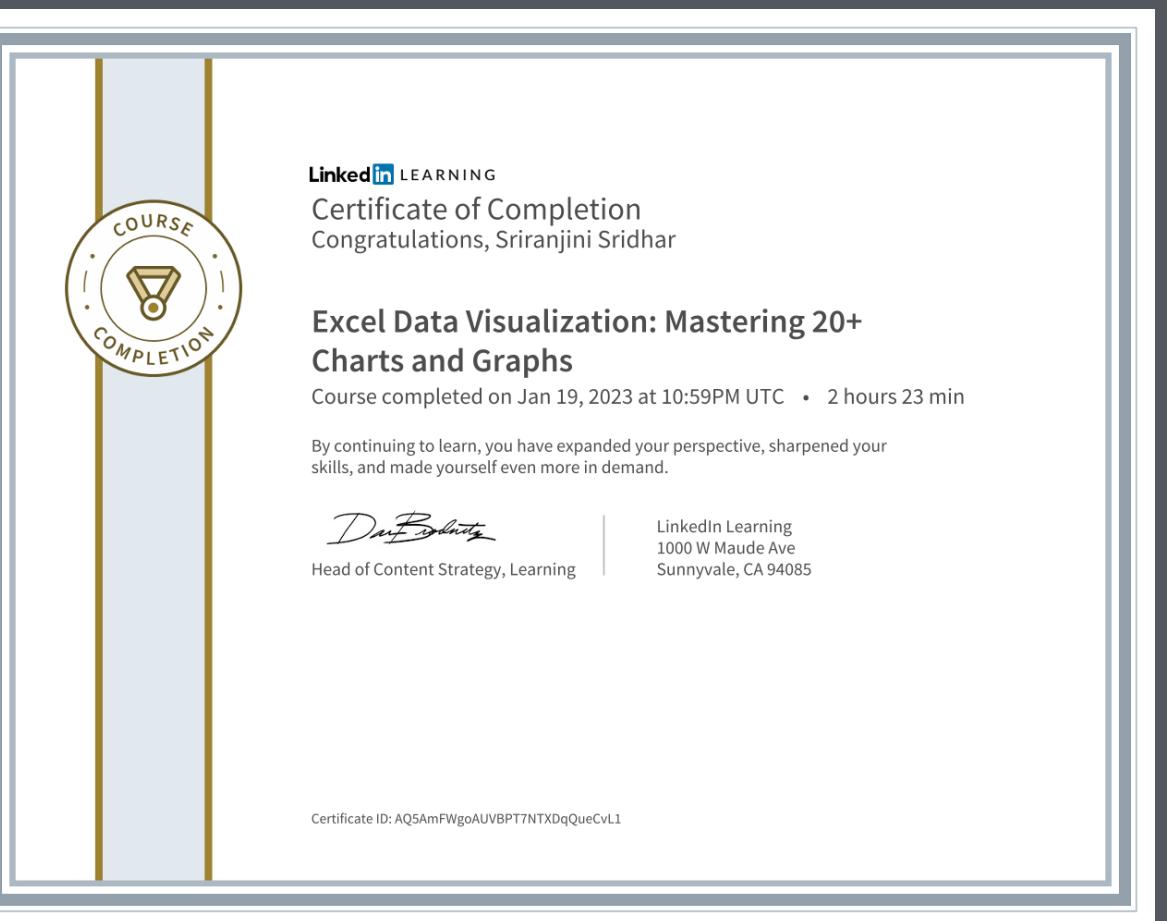
# Economical analysis

- Analysed the Southern Water Corp case study to derive the following insights:
  - Case Study - Market Analysis
  - Case Study - Cost Effectiveness
  - Case Study - What If Analysis
  - PowerPoint slide deck to showcase the visualized data

# Statistical analysis

- Analysed the Southern Water Corp case study to derive the following insights: 
- Descriptive statistics - mean, median, mode, histograms, and box plots
- Inferential Statistics - correlation, confidence interval, margins of error, and regression

# Visualization



## • Tableau:

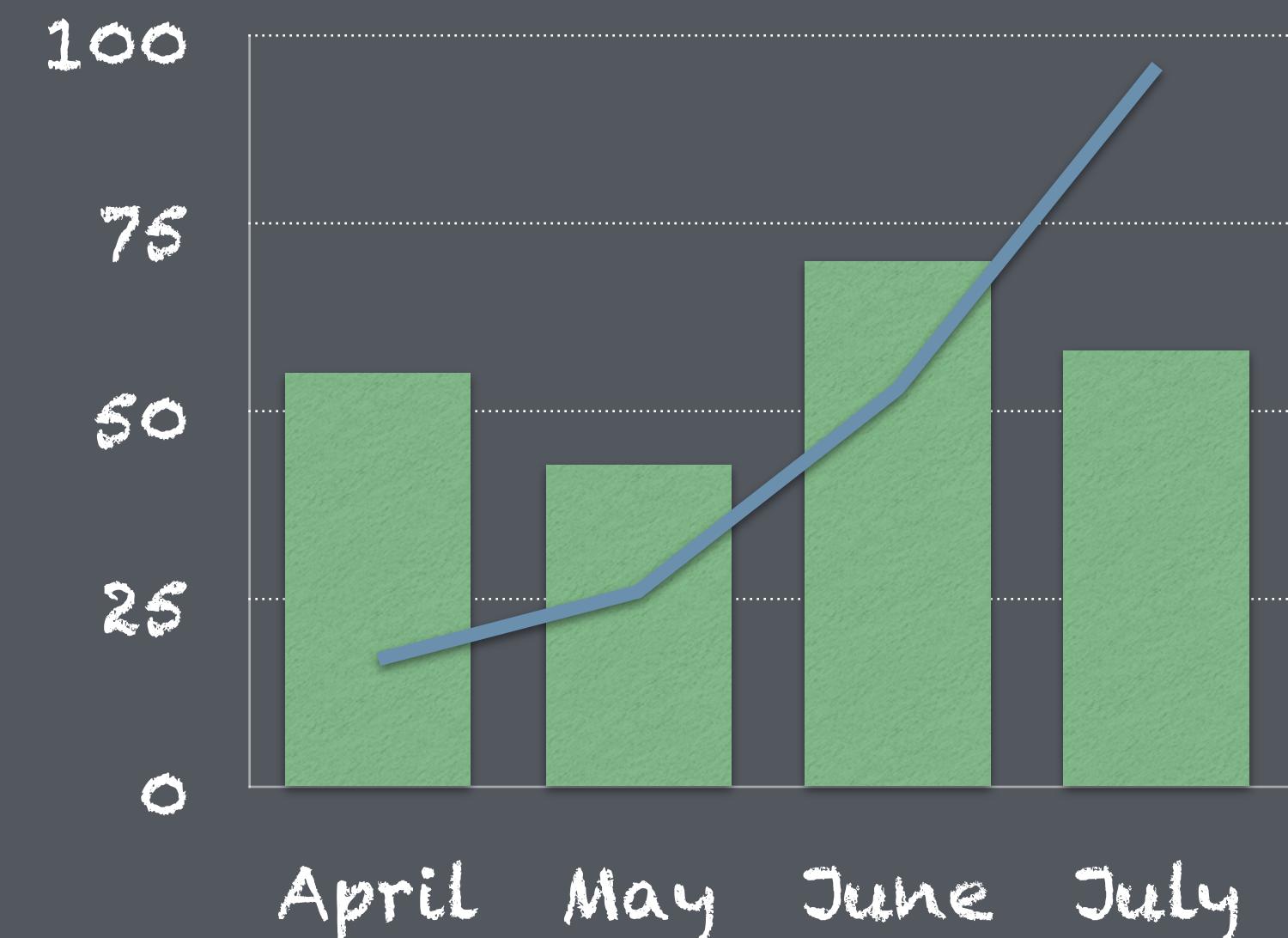
• Link to view the projects -

## • Power BI:



# Data Analysis using SQL

- American Energy Market Regulator Case Study with Tableau presentation
- Data-Driven Decision Making
- Exploratory Data Analysis
- Analyzing Business Data

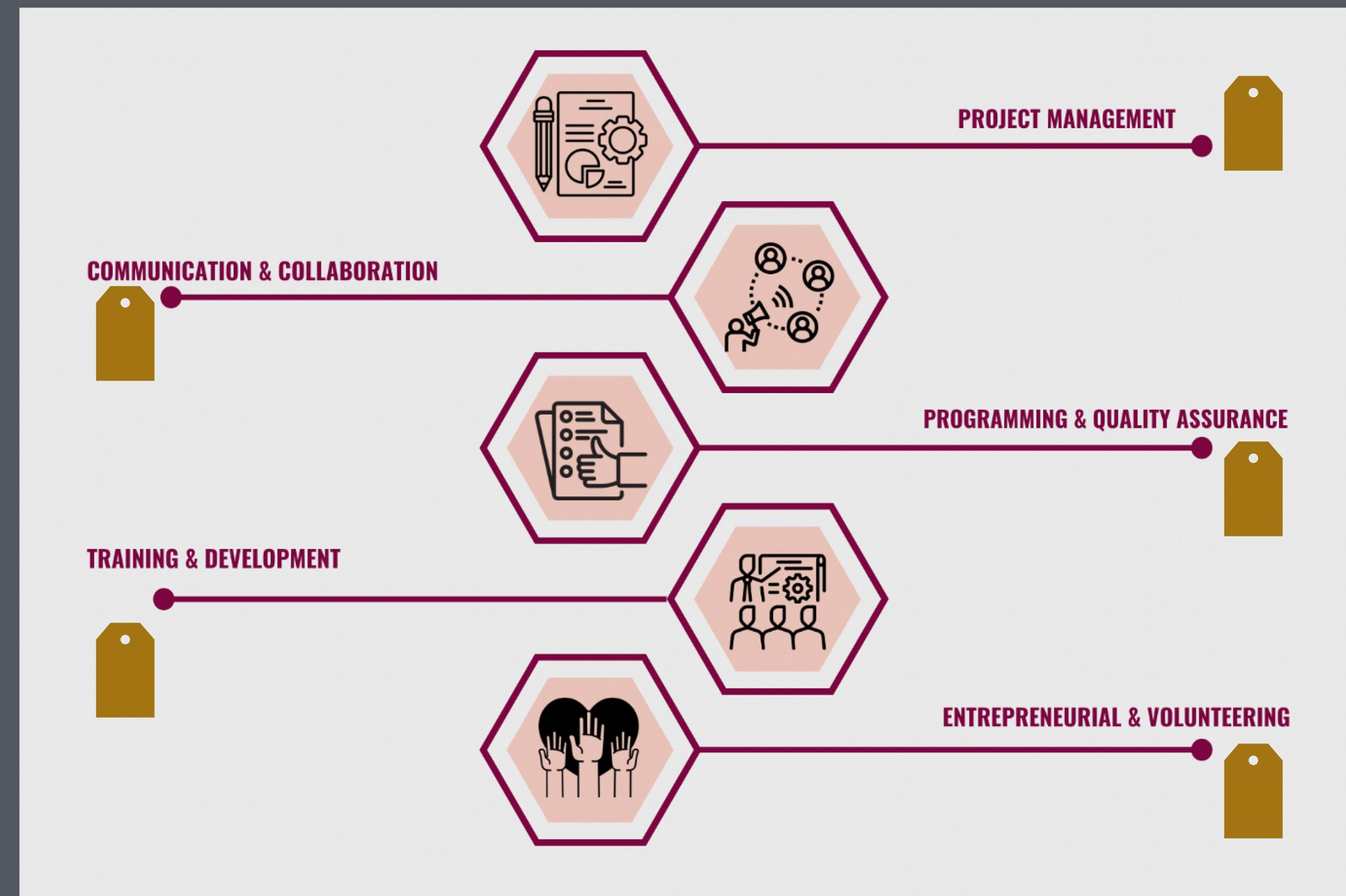


# Exploratory Data analysis - Python



- Visualizing data with Numpy, Matplotlib and Seaborn
- Airbnb Case study: Data Exploration
- Statistical Thinking in Python
- Investigating the implications of pump failure for the Southern Water Corporation using Python data analysis
- Linear modeling with Python

# Other Skills



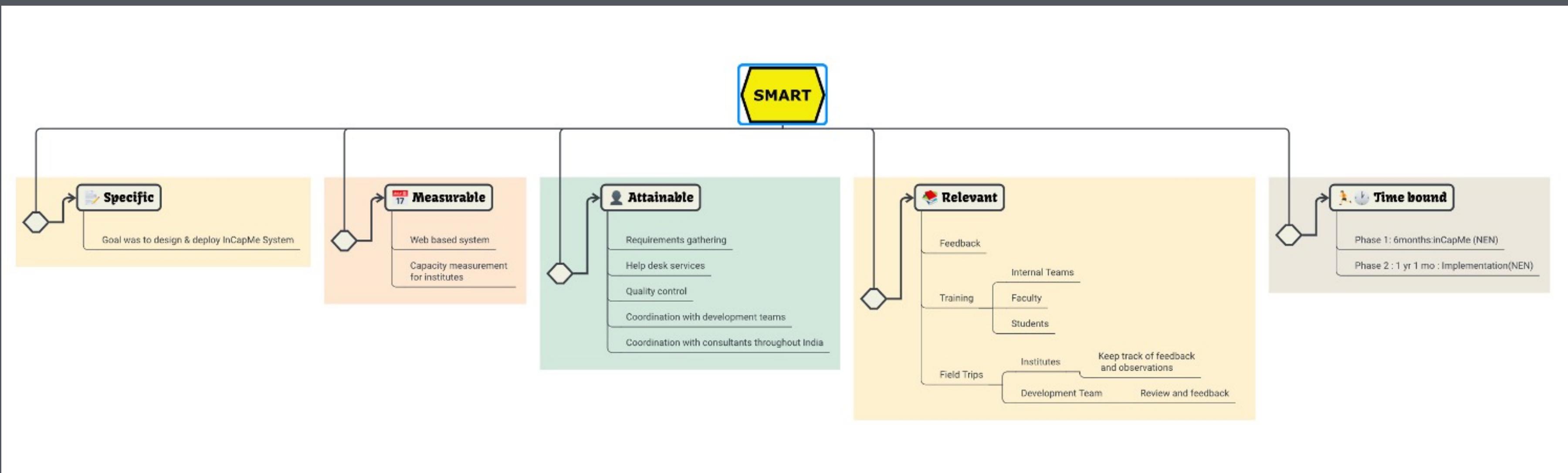
# Project Management

Agile Software Development 

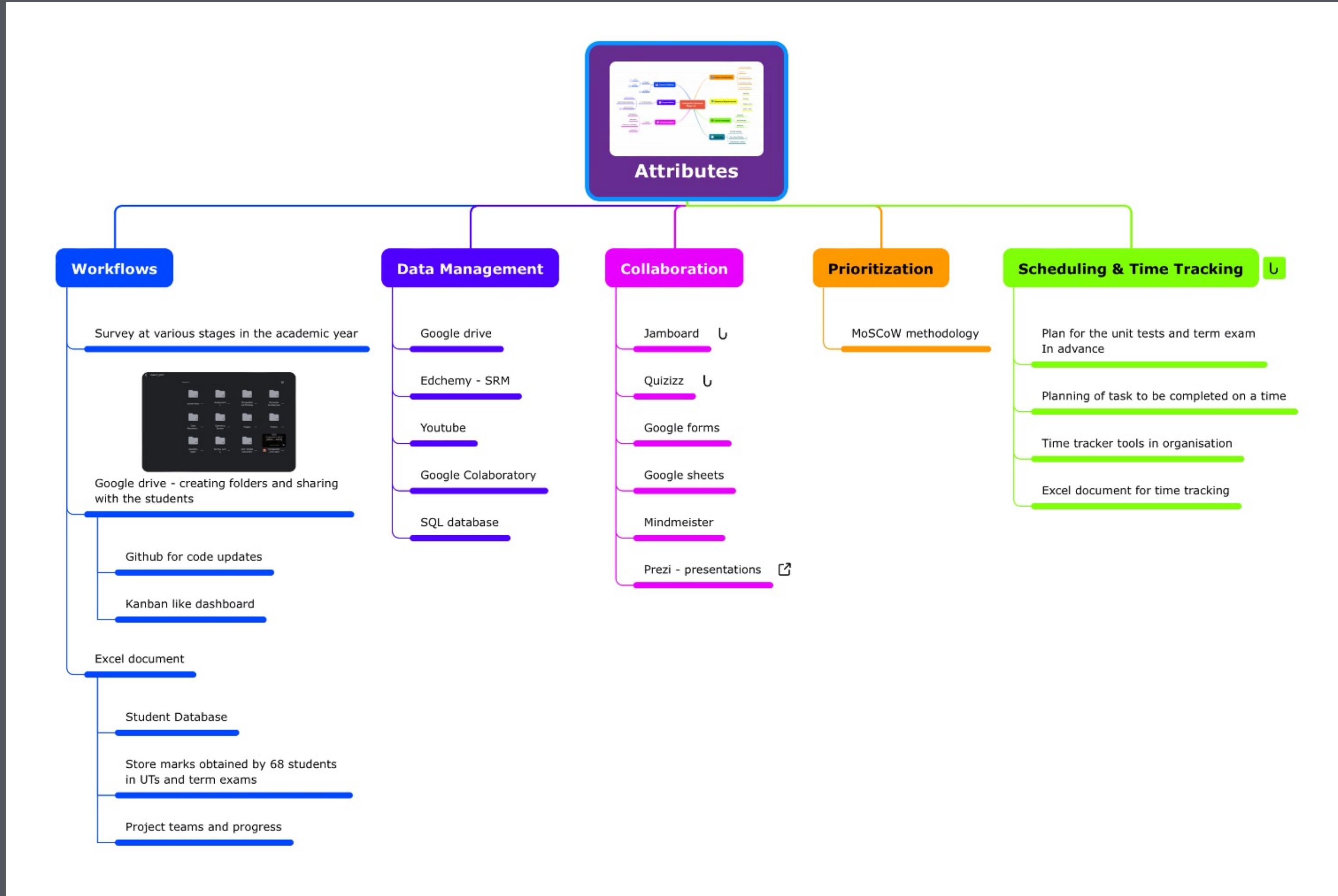
Automate tasks and processes with Jira 

Jira Scrum Project 

Roadmaps in Jira 



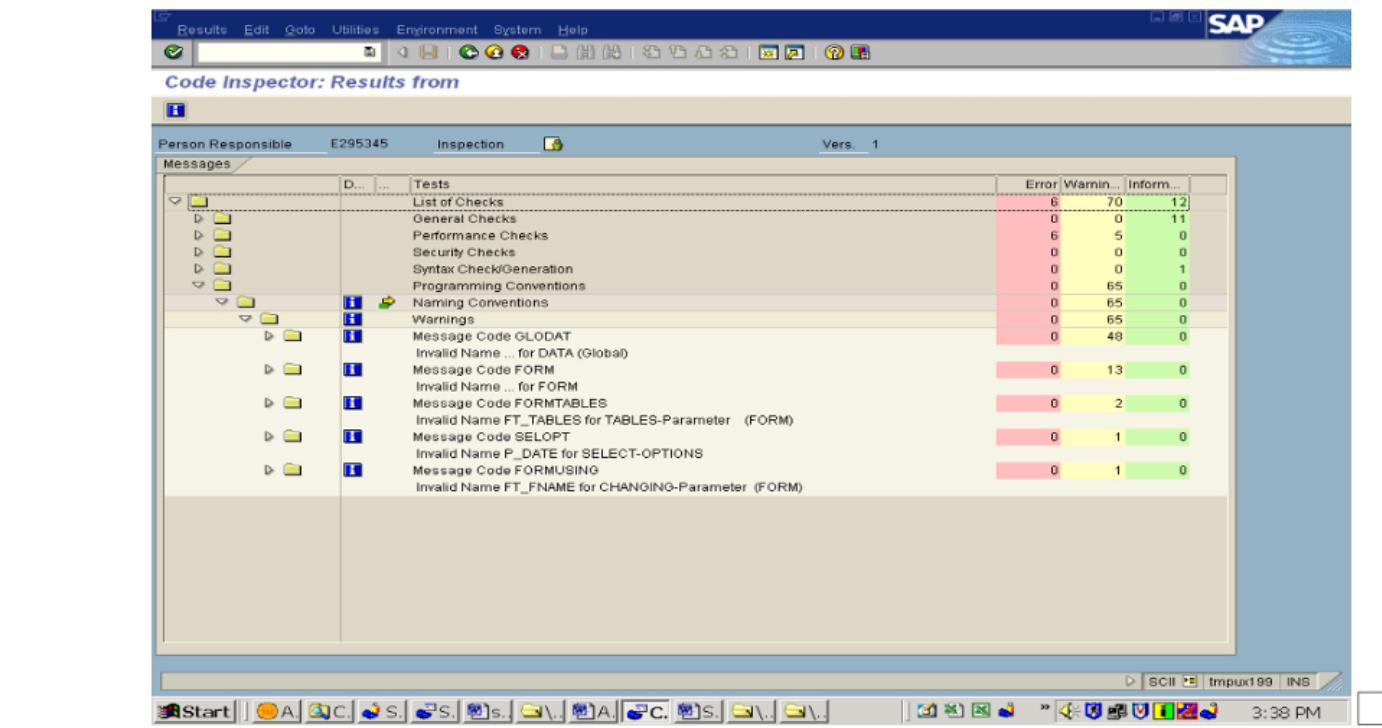
# Communication and Collaboration



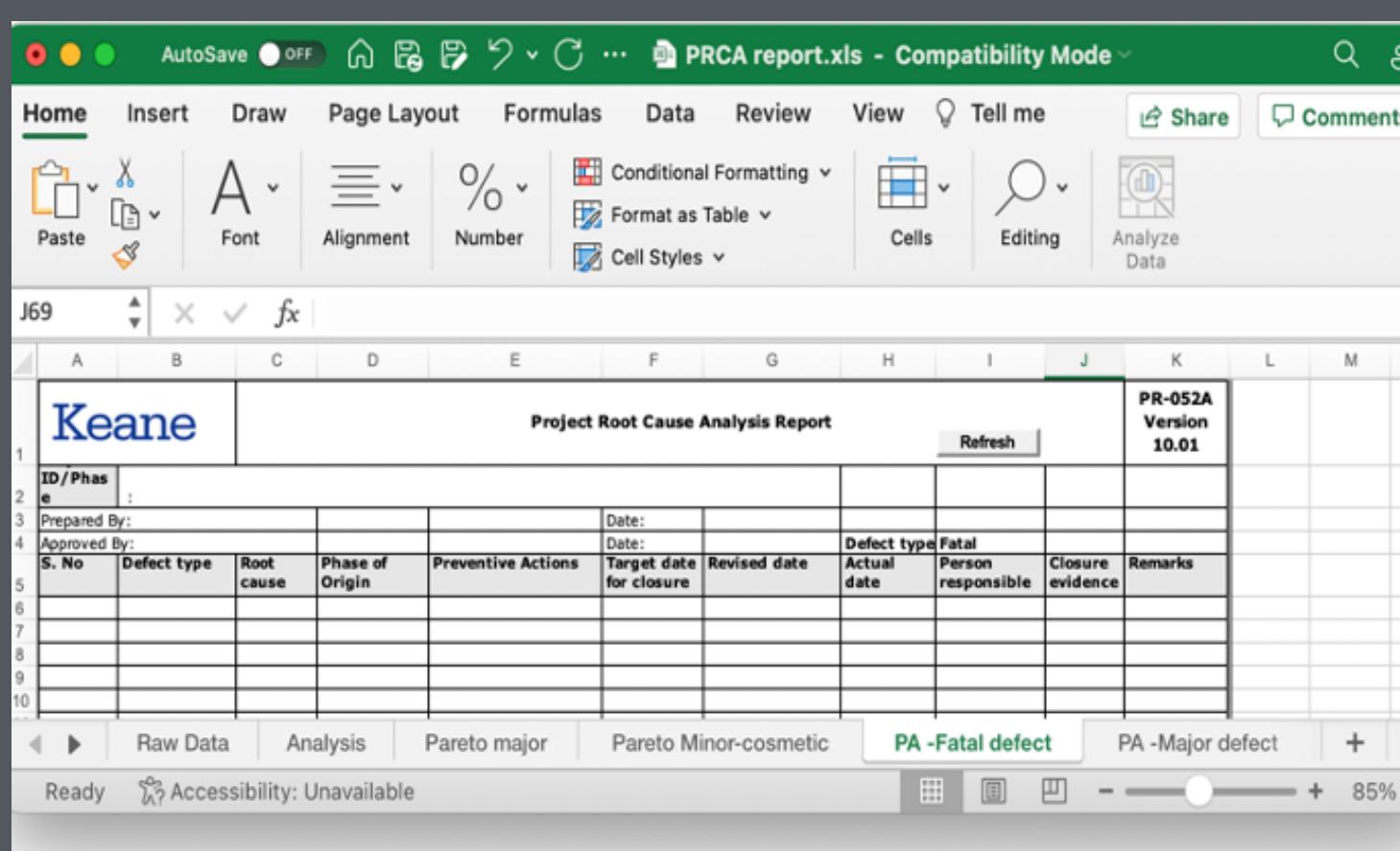
# SAP-ABAP/4 Quality Assurance

Defect prevention session conducted based on project root cause analysis report

- Following check results are displayed
  - General Checks
  - Performance checks
  - Security checks
  - Syntax check/Generation
  - Programming Conventions



The screenshot shows the SAP Code Inspector interface with the title "Code Inspector: Results from E295345 Inspection". It displays a hierarchical tree view of code inspection categories and their corresponding error, warning, and information counts. The categories include General Checks, Performance Checks, Security Checks, Syntax Check/Generation, and Programming Conventions. The programming conventions section shows a significant number of errors and warnings, particularly for naming conventions.



The screenshot shows an Excel spreadsheet titled "PRCA report.xls" in Compatibility Mode. The main sheet is titled "Project Root Cause Analysis Report" and includes fields for "ID/Phase", "Prepared By", "Approved By", and "Defect type". A secondary sheet tab "PA - Fatal defect" is visible at the bottom.

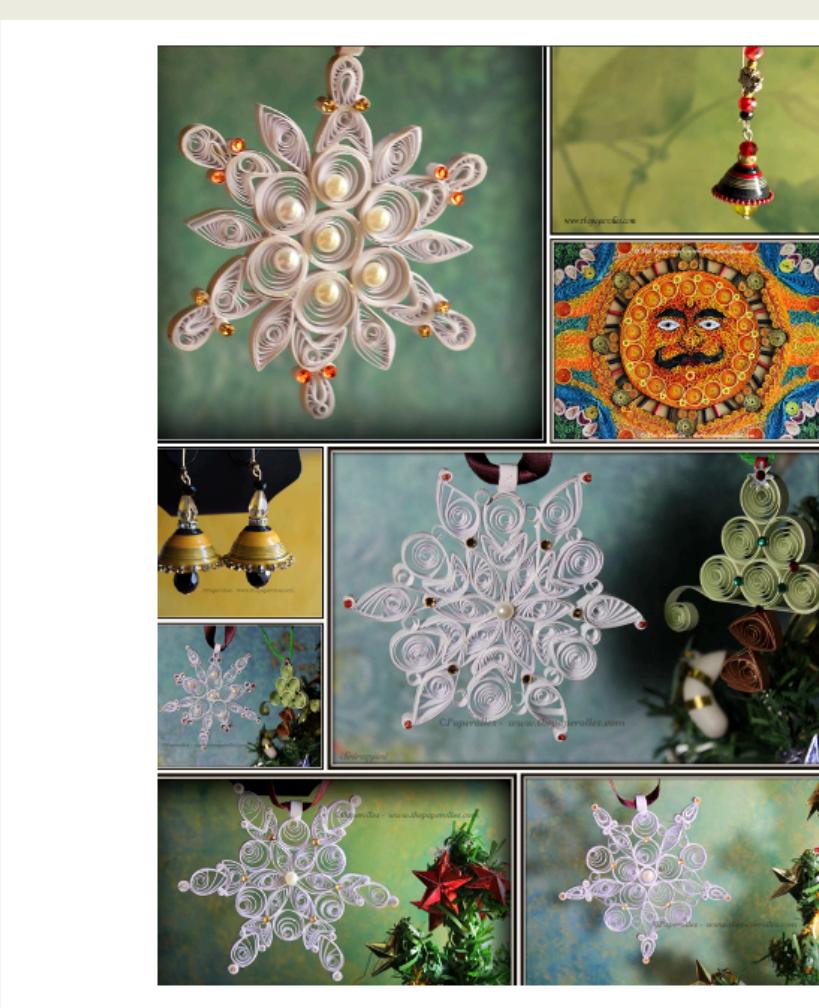
Defects grouped based on severity:

- Fatal

- Major

- Minor & Cosmetic

# Entrepreneurial and Volunteering



The Paperolles - [www.thepaperolles.com](http://www.thepaperolles.com)



West Linn/Wilsonville Eco-School Certificate

Rosemont Ridge Middle School

This certifies that

Sriranjini Sridhar

has completed the 2022 Eco-School Changemaker Training

*Jeanne Roy*  
Jeanne Roy  
Board Chair

  
eco-school  
NETWORK

*Amy Higgs*  
Amy Higgs  
Executive Director

Equipping parents and students to lead school communities toward sustainability.



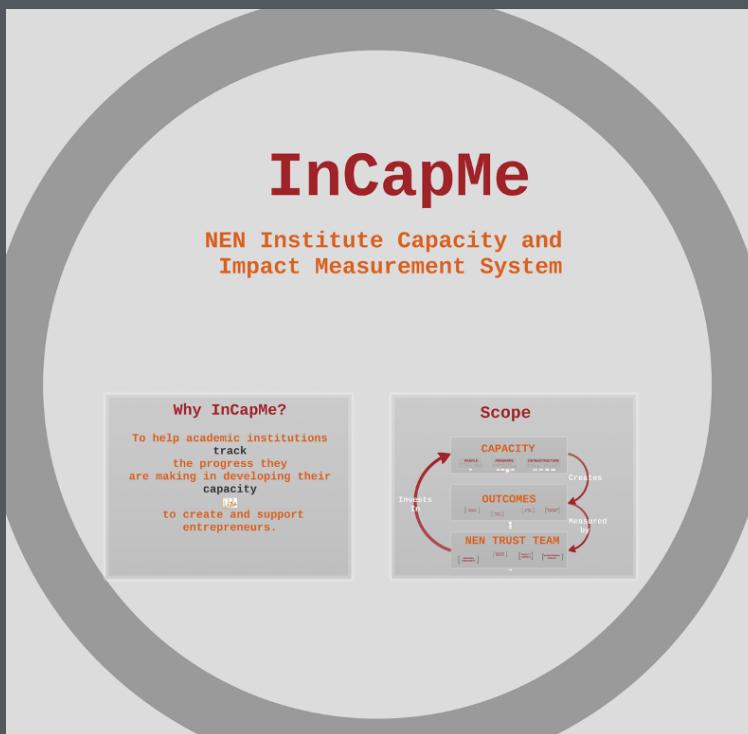
Sustainability  
Advisory Board  
Member- West Linn



# Training and Development



Computer Architecture course creation



Web based InCapMe system training  
document to consultants

