

Portfolio

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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

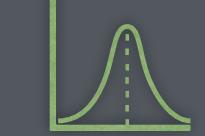
- Create a problem statement
- Create value driver trees
- Complete revenue analysis
- Total operational expenses
- Complete EBIT calculations
- Create a PowerPoint presentation to present visualized data
- Statistical analysis(Descriptive and Inferential) using Python



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:

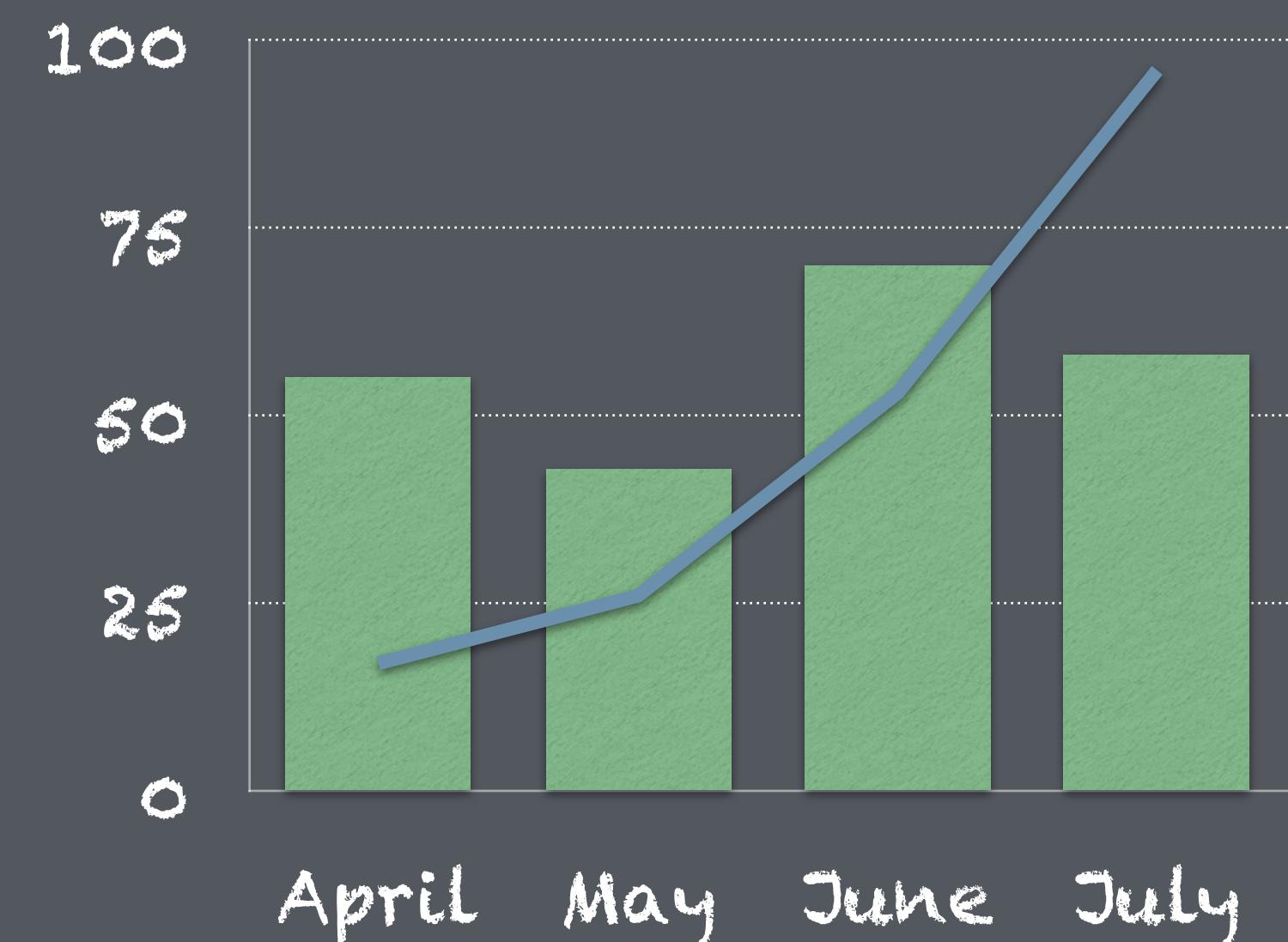
• Link to view the projects -

• 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

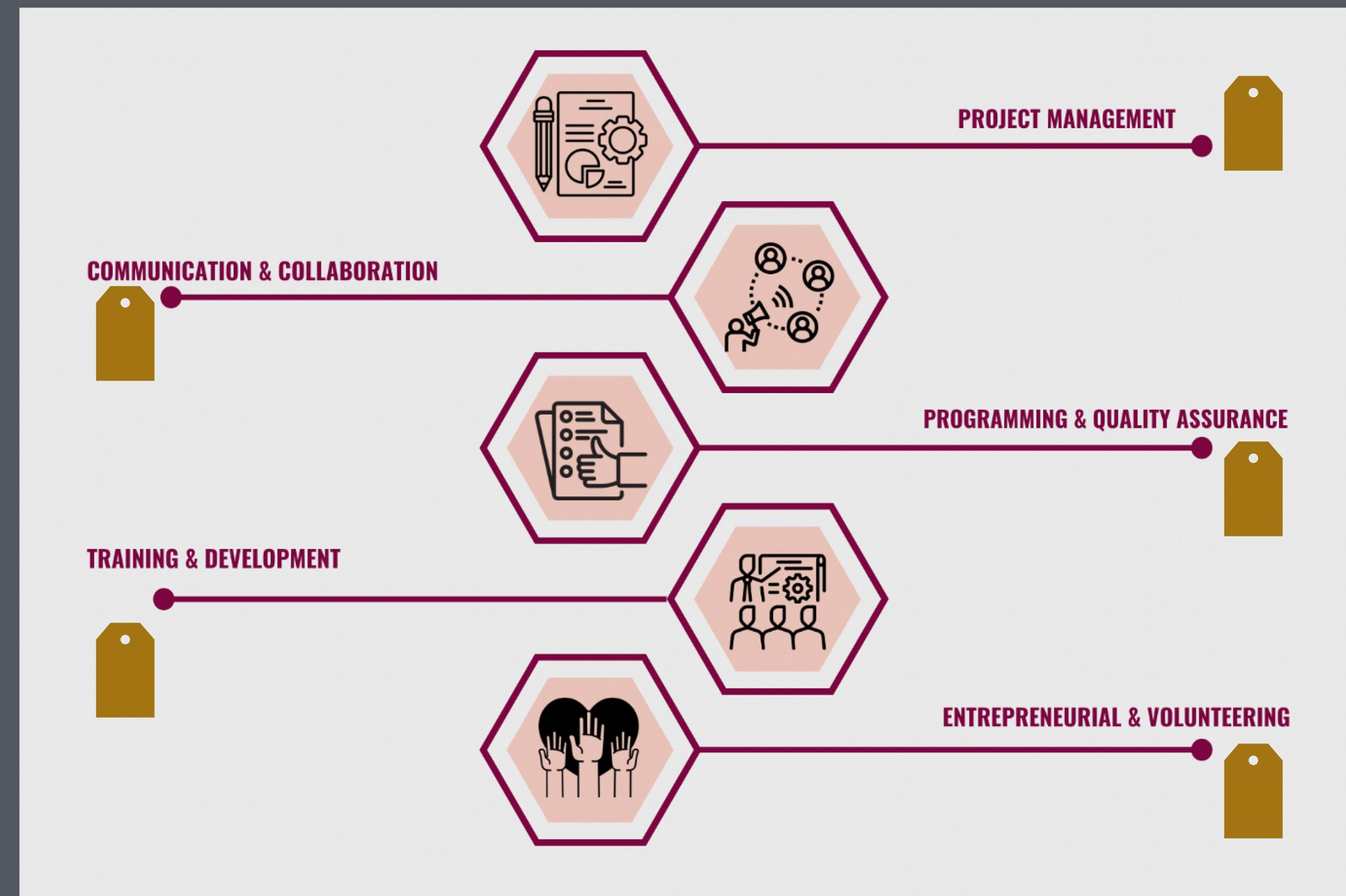


Exploratory Data analysis - Python



- 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 (link included under Financial Analysis)
- Linear modeling with Python

Other Skills



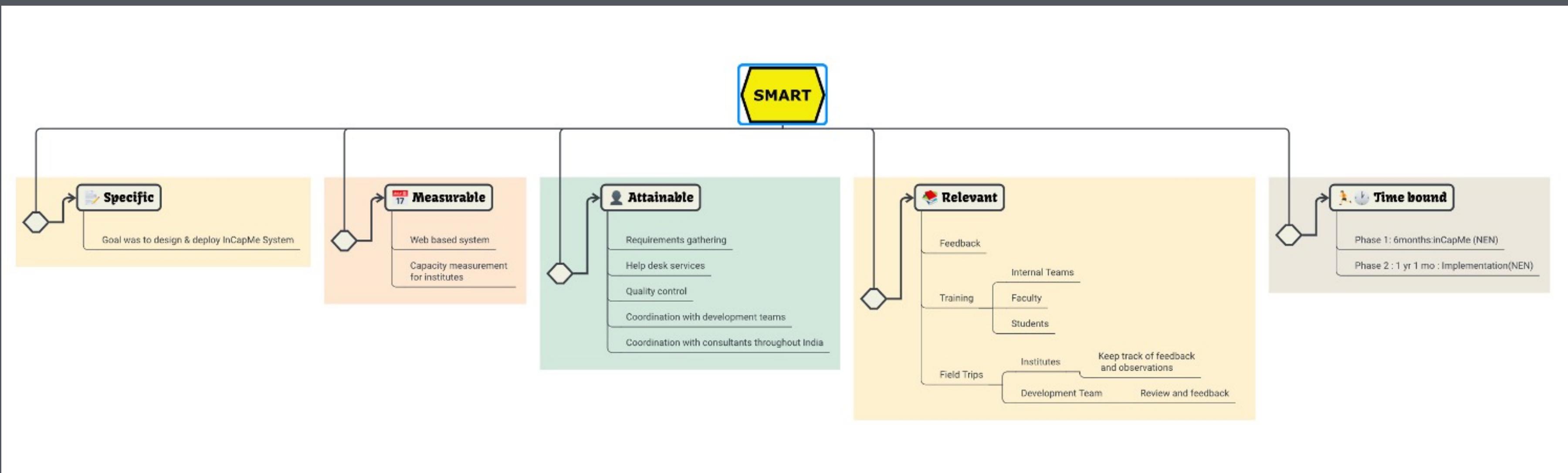
Project Management

Agile Software Development 

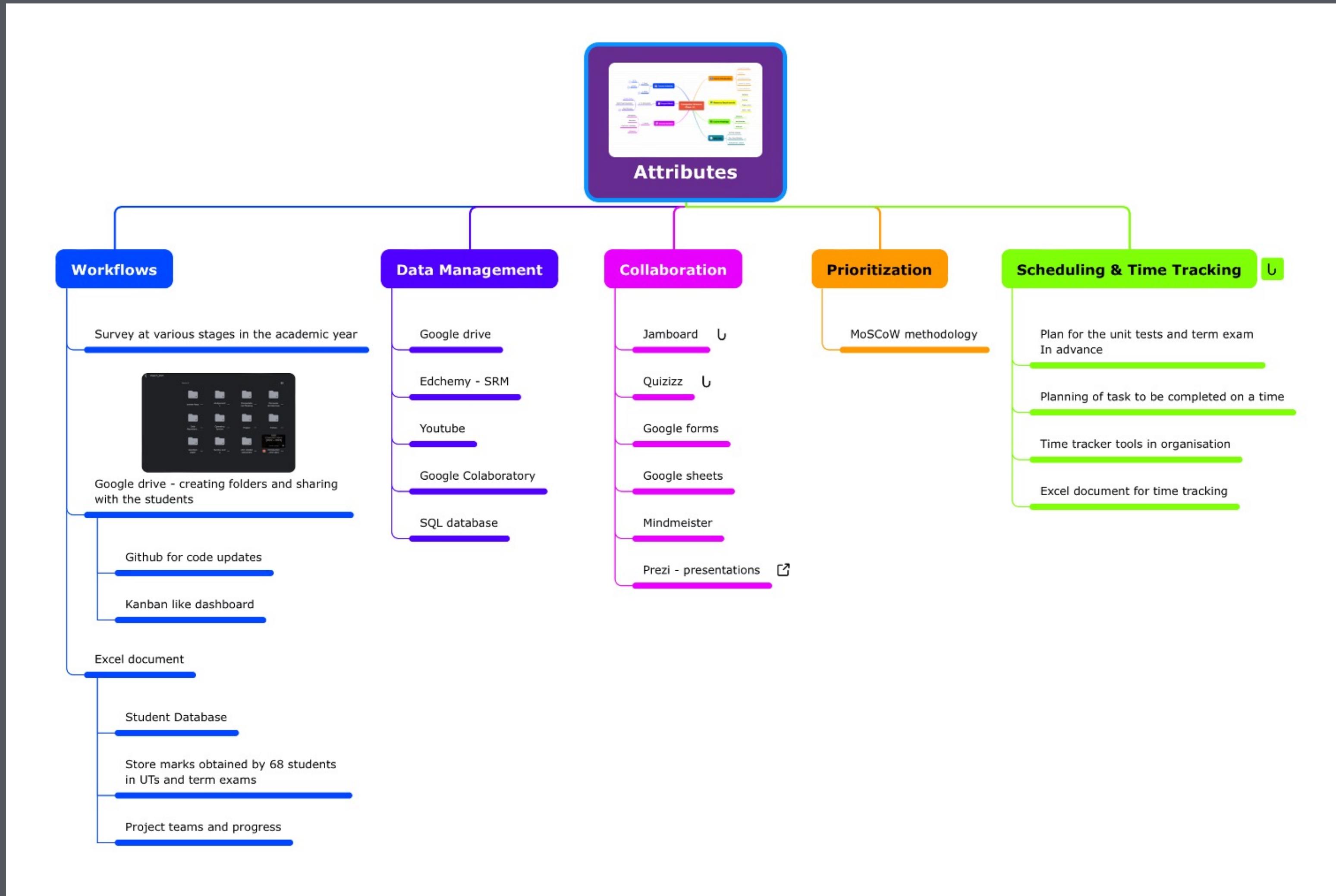
Automate tasks and processes with Jira 

Jira Scrum Project 

Roadmaps in Jira 



Communication and Collaboration

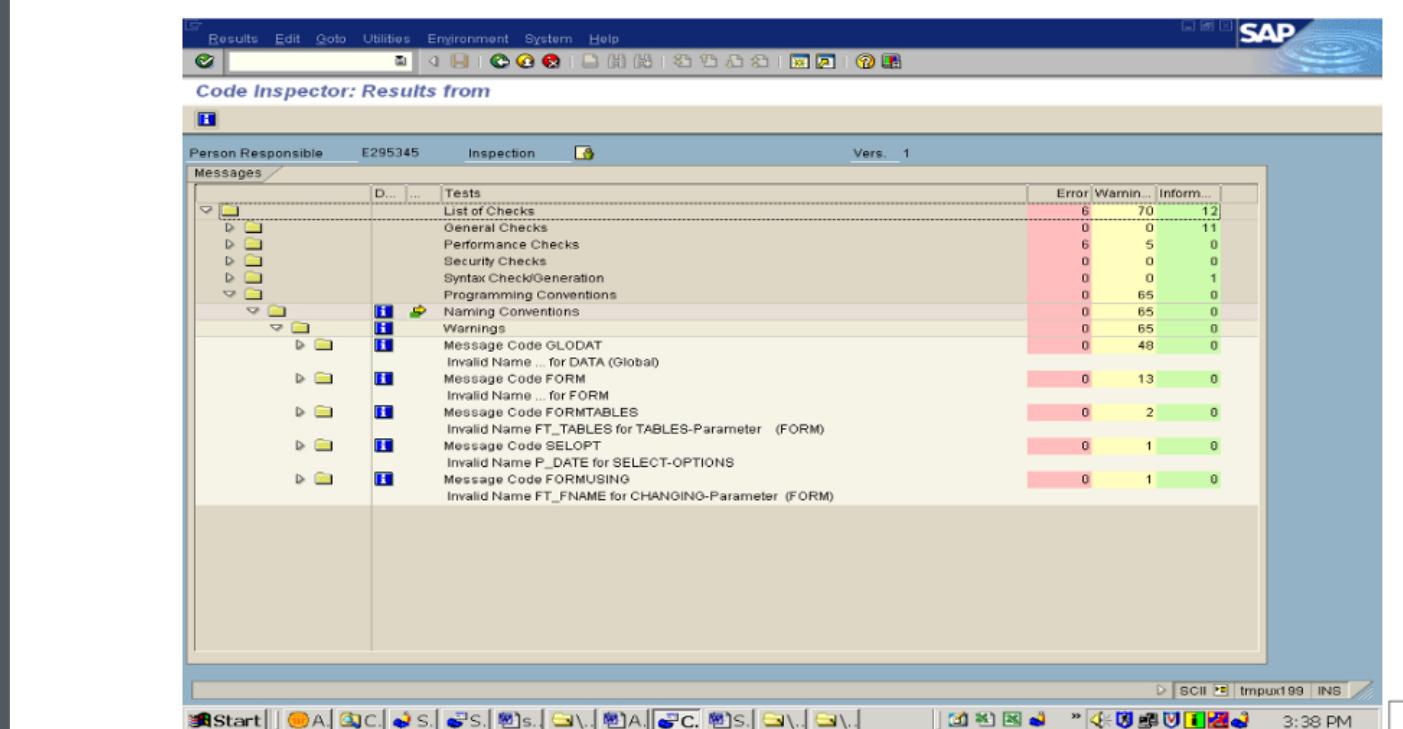


SAP-ABAP/4 Quality Assurance



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 a Microsoft Excel spreadsheet titled "PRCA report.xls - Compatibility Mode". The ribbon menu is visible at the top, with "Home" selected. The main content area displays a report header "Keane" and "Project Root Cause Analysis Report" followed by a table structure. The table has columns for ID/Phase, Defect type, Root cause, Phase of Origin, Preventive Actions, Target date for closure, Revised date, Actual date, Person responsible, Closure evidence, and Remarks. Row numbers 1 through 10 are listed on the left. A status bar at the bottom indicates "PA -Fatal defect" and "PA -Major defect".

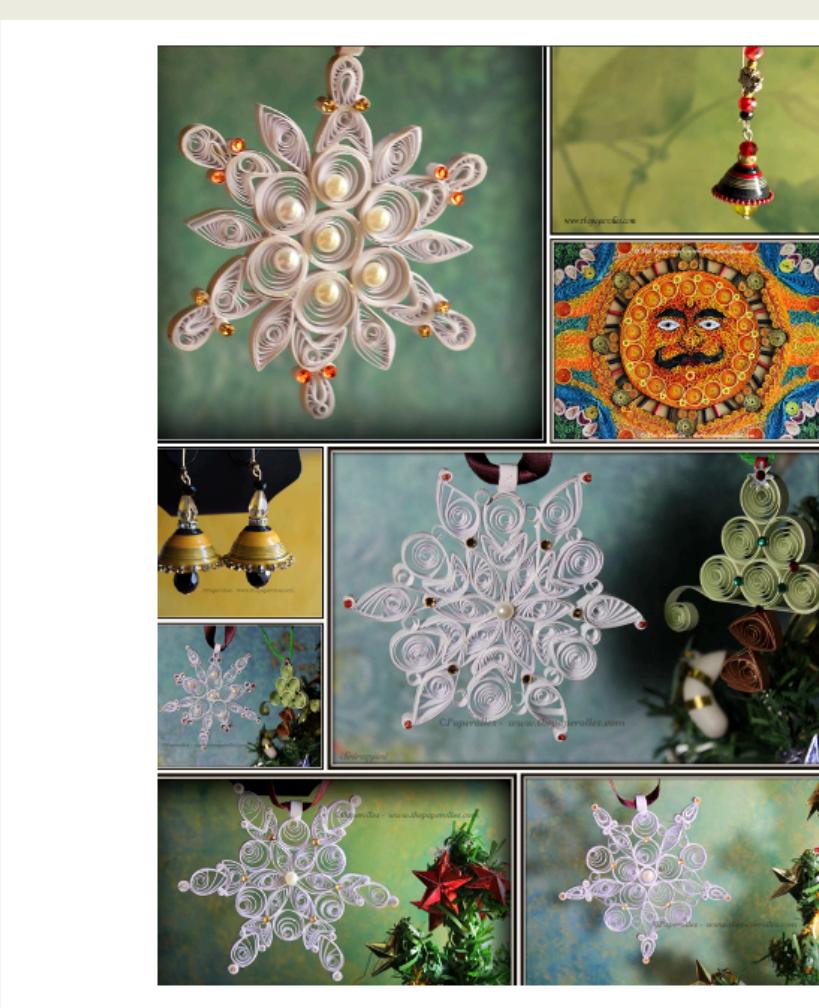
Defects grouped based on severity:

- Fatal

- Major

- Minor & Cosmetic

Entrepreneurial and Volunteering



The Paperolles - 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.



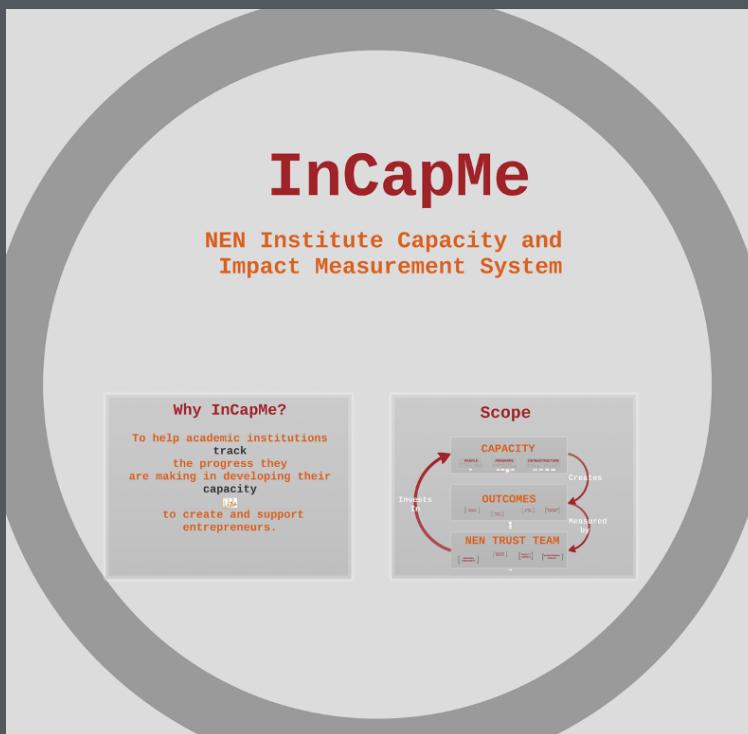
Sustainability
Advisory Board
Member- West Linn



Training and Development



Computer Architecture course creation



Web based InCapMe system training
document to consultants

