



## SHORT-TERM INTERNSHIP



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## Acknowledgements

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**This page content gives an idea only, which topics have to write.**

## **1: EXECUTIVE SUMMARY**

The internship report shall have a brief executive summary. It shall include five or more Learning Objectives and Outcomes achieved, a brief description of the sector of business and intern organization and summary of all the activities done by the intern during the period.

## **2: OVERVIEW OF THE ORGANIZATION**

### **Suggestive contents**

- A. Introduction of the Organization
- B. Vision, Mission, and Values of the Organization
- C. Policy of the Organization, in relation to the intern role
- D. Organizational Structure
- E. Roles and responsibilities of the employees in which the intern is placed.
- F. Performance of the Organization in terms of turnover, profits, market reach and market value.
- G. Future Plans of the Organization.

## **3: INTERNSHIP PART**

*Description of the Activities/Responsibilities in the Intern Organization during Internship, which shall include - details of working conditions, weekly work schedule, equipment used, and tasks performed. This part could end by reflecting on what kind of skills the intern acquired.*

## Executive Summary

This summary presents all about my internship experience focused on prediction of plant growth stages with environmental and management data with Power BI. The goal of this internship was to know the basic need and factors for predicting a plant growth. Simply this was all about check on the every factor required for the growth of a plant. Every factor varies depending on other factors. I gained Industry knowledge acquisition, skill development, Application of academic knowledge, professional networking and self-reflection and growth. These were five learning objectives for internship report.

During this internship period, I have discovered and achieved many outcomes such as Enhanced industry insight, improved skill set, successful project completion, expanded professional network and Increased confidence. And the summary of all the activities done during this internship is Research and data analysis, Policy development support, organizing workshops and seminars, Communication and outreach and finally Monitoring and evaluation. These not only provided hands on experience but also skills, analytic, event management and communication

## Overview of the organisation

Smart Bridge is a platform that offers virtual internship to the students. The platform goal is to prepare students for the job market by establishing a co-operative relationship between industry and academic.

Smart bridge partners with companies such as google to offer virtual internships.

These internships provide students with hands on experience with the latest technologies and enable project based learning.

Smart Bridge's flagship event is the summer internship program. The program develops student skills in emerging technologies i.e.,  
1, Artificial Intelligence  
2, Machine Learning  
3, Internet of things.

## Organisation Objective :-

Smart Bridge's main objective is to bridge the existing gap between prevailing industry standards and what the academic offers to graduates while passing out of university. Smart Bridge's offer suitable skill development and training to the young talent before on boarding their first job. Their skill development programme are designed considering the

Present in demand skills in the industry. We thereby work along the line to offer best programs that helps the students to gain practical knowledge and hands on training to learn skills of these future.

Therefore the main objectives of the Smart Bridge is providing internship for every student promote industry approved professional elective become a talent factors of India by 2026.

## Internship Part

During my internship at APACHE, my activities and responsibilities included :-

### \* Working conditions :-

- Worked in a dynamic, professional environment with a team of education professionals.
- Flexible working hours, with core hours from 10am - 5pm, Monday - Saturday.
- Access to modern equipment, software and tools.

### \* Weekly work Schedule :-

- Monday : Team meeting, goal setting and planning
- Tuesday - Thursday : Research, data analysis and report preparation
- Friday :- Stakeholder engagement, event planning and coordination.
- Saturday :- Review, documentation and preparation for the next week.

### Equipment used :-

- Computer with Microsoft Office, Statistical software (e.g., SPSS) and data analysis tools.
- Smartphone for communication and documentation.
- Printer, scanner and other office equipment.

## \* Tasks Performed

- Conducted research and data analysis on higher education trends and policies.
- Prepared reports, presentations and documents for stakeholders.
- Assisted in event planning, co-ordination and execution.
- Engaged with stakeholders, including universities, colleges and government officials.
- Contributed to the development of policies and programs for higher education.

## \* Acquired Skills ↗

- Research and data analysis.
- Report writing and presentation.
- Event planning and management.
- Stakeholder engagement and communication.
- Policy development and implementation.
- Team collaboration and co-ordination.

Overall, my internship experience at APSHE provided me with valuable skills and knowledge in higher education policy, research and management. I developed a range of skills that will benefit me in my future areas of career in education policy, research or administration.

## ACTIVITY LOG FOR THE FIRST WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1 3/7/24	Introduction of data analysis and Interpreted data visualization	Analysis of the topic	
Day - 2 4/7/24	Agenda and understanding consumers	clear view of business problem and its solutions.	
Day - 3 5/7/24	Types of analytics, process and download of power BI	Clear analysis on DA tools and process regarding it	
Day - 4			
Day - 5			
Day - 6			

## WEEKLY REPORT

WEEK - 1 (From Dt. 3/7/24 to Dt. 5/7/24.....)

Objective of the Activity Done: Introduction to PowerBI, Data Analytics

Detailed Report: Agenda of Data Analytics includes,

introduction to data analytics and Business intelligence, Business problems and solution, Power BI in action, Introduction to Power BI, Power BI architecture, Data to insight flow in Power BI. Explained about the data analytics, Data analytics tool and technologies. Explanation of data management and data visualization and the data analytics application.

Business Intelligence and its Tools. Type of Business Analytics. Explanation of how to download Power BI. Explained about difference between Business analytics and Data analytics. Introduction to Power BI and its architecture. Explained how to load data and clean data. Creation of data visualization and its types. Power BI visualizes the graphs dashboards and pie charts. It facilitates reports, etc.

## ACTIVITY LOG FOR THE SECOND WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day -1 8/7/24	features and components of Power BI	clear view on every component required.	
Day -2 9/7/24	Power BI in action and its architecture	visible insights and sales format	
Day -3 10/7/24	Power query and transformation Operations	clarify about ETL tools.	
Day -4 11/7/24	Tools present in Power BI Desktop	clear view on each and every tool present.	
Day -5 12/7/24	Analyzing the data in different types.	Learned about practicality on data usage.	
Day -6			

## WEEKLY REPORT

WEEK - 2 (From Dt..8.7.24.. to Dt..12.7.24..)

Objective of the Activity Done: Data Importing and Modelling

Detailed Report: Data modelling is a process of creating a conceptual representation of data objects and their relationship between tables by using the primary keys.

- \* Data insight flow in Power BI : Data sources, data view and model view for modelling.
- \* Explored different data connectors available in Power BI such as Excel, SQL, database.
- \* Learned about the ETL (Extract, Transform, Load) process with Power BI.
- \* We learned how to clean, reshape and prepare data using power query editor.
- \* The training covered essential functions like filtering, merging and appending datasets. Additionally we were introduced to data modelling concepts such as relationships, cardinality and data libraries.
- \* Practical data modelling techniques, including creating relationships between tables using DAX functions and designing calculated columns.

### ACTIVITY LOG FOR THE THIRD WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1 15/7/24	Data collection and date cleaning	Learned about the process in DA	
Day - 2 16/7/24	Differentiation between storyboard, Dashboard and report	Learned the differences about contents to represent.	
Day - 3 17/7/24	Data structuring and its usage with Power BI	Learned the usage of data structure.	
Day - 4 19/7/24	Revised on topics as far completed	Clear view with the usage of PowerBI	
Day - 5			
Day - 6			

## WEEKLY REPORT

WEEK - 3 (From Dt..15/7/24... to Dt..19/7/24...)

Objective of the Activity Done: Data Visualization using Power BI

Detailed Report: Learned about various visualization

options available in Power BI, including Power charts, advanced charts, maps and custom visuals.

- Studied choosing appropriate visualizations for different data types and insights.
- The tools present in the Power BI desktop are remove columns, reduce rows, sorting, split column, group by, replace value, transpose, reverse rows, count rows, rename etc.
- There are two ways for analysing data. They are visualisation and structural.
- In this third week, the emphasis was on data visualization technique on Power BI.
- We explored various types of charts, graphs and maps that can be created in Power BI to visualize data insights. We also learned about customizing visual elements.
- The sessions include best practice for selecting the right visualization based on the type of data.

## ACTIVITY LOG FOR THE FORTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day -1 22/7/24	Researched the additional information	additional info about Power BI	
Day -2 23/7/24	Revised about data collection and data cleaning	Learned about starting process in DA	
Day -3 24/7/24	Revised about the data visualization	clear view on visualisation part	
Day -4 25/7/24	DAX and DAX functions	clear view on DAX functions	
Day -5 26/7/24	All the functions present in Power BI	Learned about the functions to apply	
Day -6			

## WEEKLY REPORT

WEEK - 4 (From Dt. 22/7/24.. to Dt. 26/7/24..)

Objective of the Activity Done: Advanced Data Analytics with DAX

Detailed Report: This week was dedicated to

Deepening our understanding of DAX for advanced data analytics.

\* Completed advanced DAX training modules covering topics such as time intelligence, advanced filtering, and content management.

\* Worked on a case study that required creating complex measures to calculate year-over-year growth and rolling averages.

\* Collaborated with peers to troubleshoot DAX-related issues in our data models.

\* Developed proficiency in writing complex DAX expressions.

\* Applied time intelligence functions to analyze trends over time.

\* Improved the accuracy and optimizing efficiency of data models using advanced DAX.

## ACTIVITY LOG FOR THE FIFTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day -1 29/7/24	Explained more factors in DAX	Learned about expressions and functions in DAX	
Day -2 30/7/24	More about filter functions in DAX	Clear view on different views	
Day -3 31/7/24	Preparation for grand assessment	Prepared for test	
Day -4 1/8/24	Preparation for grand assessment	Prepared for test	
Day -5 2/8/24	Grand assessment test	Gave the assessment	
Day -6			

## WEEKLY REPORT

WEEK - 5 (From Dt. 29/7/24. to Dt. 03/8/24.)

Objective of the Activity Done: functions and Power BI Service.

Detailed Report: The function of Power BI includes

All, All NO BLANK Row, calculate, filter, Match

By, Order By and calculate table

\* Sales analysis - It provides valuable insights into customer behaviour, sales performance and areas where process can be improved.

\* Defined key performance indicators (KPI's) such as sales growth, customer acquisition and product performance.

\* Built a sales dashboard to visualize the KPI's and identify trends, outliers and areas for improvement.

\* Created a comprehensive sales dashboard that highlighted crucial business insights.

\* Used data story telling techniques to communicate findings effectively.

\* Received positive feedback from mentor on the practical application of Power BI skills.

\* Finally the focus of this week was on applying Power BI skills to real world sales.

## ACTIVITY LOG FOR THE SIXTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day -1 5/8/24	Optimising PowerBI report	Clear view on optimisation	
Day -2 6/8/24	Implementation of incremental data.	Learned about DA with huge dataset	
Day -3 7/8/24	Application in business scales	Clear view on real-time applications	
Day -4 8/8/24	Application of techniques to size data models	Learned about sizing data models	
Day -5 9/8/24	Learned about User information with reports.	Clear view on report based data.	
Day -6			

## WEEKLY REPORT

WEEK - 6 (From Dt. 5/8/2024... to Dt. 9/8/2024..)

Objective of the Activity Done: Report optimisation & Performance

Detailed Report: This week focused on optimising

Power BI report for performance and scalability. Learned about Power BI report optimization techniques including data reduction, efficient use of DAX, and query optimisation.

- \* Implemented incremental data reports to improve report load times.
- \* Explored best practices for managing large data sets and reducing memory usage.
- \* This session also included case studies about use of Power BI in companies for sales, financial and operational analysis.
- \* Optimised existing reports to load faster and handle large data sets.
- \* Applied techniques to reduce the size of data models without losing critical information.
- \* Improved the overall performance and user experience of power BI reports.

## ACTIVITY LOG FOR THE SEVEN WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1 10/8/24	Formation of Team	Clear view on team	
Day - 2 11/8/24	Project scope and objectives	clear view on project assigned	
Day - 3 12/8/24	Aggregation of Public reports.	Segregation of data analysis	
Day - 4 13/8/24	Configured public refresher.	Reviewed self on dataset	
Day - 5 14/8/24	feedback on accessibility with published reports.	clear view on outcome of reports	
Day - 6			

## WEEKLY REPORT

WEEK - 7 (From Dt.12.1.2024 to Dt.16.1.2024)

Objective of the Activity Done: Assignment of Project work

Detailed Report:

Data Analysis and Visualization.

This week was dedicated to learning how to publish and share Power BI reports with stakeholders.

\* I started by defining the project scope, objectives and deliverable

\* The project involved analyzing a dataset provided by smartintenz, cleaning and transforming the data, building a data model.

\* Published reports to Power BI service and configured scheduled refresh.

\* Created and shared an app in Power BI that aggregates multiple reports into a single, easy-to-access passage for stakeholders.

\* Successfully published reports to the Power BI Service and shared them with internship team

\* Configured role-based security to control access to sensitive data

\* Received feedback on the accessibility and usability of the published reports.

## ACTIVITY LOG FOR THE EIGHT WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1 19/8/24	Presenting actionable insights	clear view on pictorial representation	
Day - 2 20/8/24	Presenting the dashboard and reports	Representing the final output	
Day - 3 21/8/24	Collaborations, file uploading	Allotting work to all members in team.	
Day - 4 22/8/24	Reviewing on dashboard, report	clear view on work done in DA	
Day - 5 23/8/24	Submission of project	Submitted to mentor	
Day - 6			

## WEEKLY REPORT

WEEK - 8 (From Dt: 19/12/24.. to Dt: Dt: 03/01/25.)

Objective of the Activity Done: finalization of Project Work

Detailed Report: finalization and Presentation

This final week was focused on completing a capstone project and presenting it to the internship supervisors. Worked on a final project that involved analyzing a complex dataset and presenting actionable insights to a mock client. Developed a comprehensive Power BI report that included data exploration, advanced visualization, and key recommendation. Presented the final report to the internship supervisors, showcasing the skills and knowledge gained throughout the internship. Successfully completed the capstone project, demonstrating a strong understanding of data analytics using Power BI. Received positive feedback on the quality of analysis and presentation skills. Concluded the internship with a deeper appreciation for data analytics and Power BI as a business intelligence tool.

## CHAPTER 6: OUTCOMES DESCRIPTION

Describe the work environment you have experienced (In terms of people interactions, facilities available and maintenance, clarity of job roles, protocols, procedures, processes, discipline, time management, harmonious relationships, socialization, mutual support and teamwork, motivation, space and ventilation, etc.)

Collaborative Team Setting :- Our team shared ideas, expertise, and feedback in collaborative and dynamic environment. We together developed a predictive model using Power BI.

Data - Driven Culture :- Our workspace was filled with datasets, reports and visualizations. We encouraged data exploration, experimentation, and learning from failure.

Power BI centric tools :- Our primary tool was Power BI Desktop and Microsoft Excel. We utilized these tools to connect data sources, build models, create visualizations and share insights.

Iterative Development :- We adopted an agile approach, iterating through cycles of data preparation, model development, testing, and refinement. This allowed us to refine our predictions and improve the model's accuracy.

Cross-functional knowledge sharing :-

Plant growth experts shared their knowledge of agricultural processes, while data

analysts and IT professionals contributed their expertise in data modelling and visualization. This cross-functional exchange enriched our understanding and improved the model's effectiveness.

Fast-paced and Dynamic :- The project required quick adoption to new data, changing requirements, and emerging insights. We worked in a fast-paced environment, responding to challenges and opportunities as they arose.

#### Supportive Leadership :-

Our leadership encouraged innovation, learning and experimentation. They provided resources, guidance and feedback, fostering a supportive environment for our project's success.

This work environment enabled our team to effectively develop and refine a predictive model for plant growth using Power BI, driving insight and informed decision making in plant growth and agriculture.

Describe the real time technical skills you have acquired (in terms of the job-related skills and hands on experience)

### Technical skills Acquired :-

1. Data Analysis :- Utilized Power BI to analyze the plant growth data, identifying trends, patterns and correlations.
2. Data Visualization :- Created interactive dashboards, reports and charts to present insights effectively.
3. SQL :- Extracted and manipulated data from databases using SQL queries.
4. Data modelling :- Designed and implemented data models to optimize growth data analysis.
5. Data mining :- Applied techniques to discover hidden patterns and relationships in growth analysis data.
6. Machine learning :- Implemented predictive models to forecast growth data and identify opportunities.
7. Data story telling :- Communicated complex insights and recommendations to stakeholders through clear narratives.

### Hands on Experience

1. Data preparation :- cleaned, transformed and formatted large datasets for analysis.
2. Data exploration :- Performed exploratory data analysis to understand sales trends and patterns.

3. Report Development :- Created dynamic reports and dashboards for real time sales monitoring.
4. Stakeholder Collaboration :- Worked closely with business stakeholders to understand requirements and present findings.
5. Insight Generation :- Identified opportunities for sales growth, optimized pricing and in-growth plant analysis.
6. Technical Troubleshooting :- Resolved data discrepancies, query issues and tool limitations.
7. Continuous Learning :- Stayed updated with growth analysis trends, tools and methodologies to enhance skills.

#### Job-related Skills :-

1. Business Acumen :- Developed understanding of retail sales dynamics and market trends.
2. Communication :- Effectively presented complex data insights to non-technical stakeholders.
3. Problem solving :- Applied analytical skills to address business challenges and opportunities.
4. Time management :- Managed multiple tasks, deadlines and priorities in fast-paced environment. By working on the plant growth data analysis project, I acquired valuable technical skills, hands-on-experience and job related skills, enabling me to drive plant growth through data driven insights.

Describe the managerial skills you have acquired (in terms of planning, leadership, team work, behaviour, workmanship, productive use of time, weekly improvement in competencies, goal setting, decision making, performance analysis, etc.

### Managerial Skills Acquired :-

#### \* Planning :-

- Developed project plans, timelines and resource allocation strategies.
- Co-ordinated with stakeholders to gather requirements and define project scope.

#### \* Leadership :-

- Led cross-functional teams to achieve project goals and objectives
- Mentored junior team members in data analysis and visualisation techniques.

#### \* Team work :-

- Collaborated with data analyzing, and operations teams to integrate insights.
- Fostered open communication, active listening and constructive feedback.

#### \* Behaviour :-

- Demonstrated adaptability, resilience and continuous learning mindset
- Embraced diversity, inclusivity and empathy in team interactions.

#### \* Workmanship :-

- Ensured high quality deliverables, attention to detail and precision.

- Implemented best practices in data analysis, visualization and reporting.

#### \* Productive use of time :-

- Prioritized tasks, managed deadlines and optimized time allocation
- Minimized procrastination, distractions and time-wasting activities.

#### \* Weekly Improvement in competencies :-

- Set aside dedicated time for learning new tools, techniques and methodologies.
- Applied new skills and knowledge to enhance project outcomes.

#### \* Goal setting :-

- Established key performance indicators (KPI's) to measure progress
- Defined SMART Goals.

#### \* Decision Making &

- Analysed data-driven insights to inform strategic decision.
- Weighed options, assessed risks, and chose optimal solutions.

By working on the prediction of plant growth analysis project, I acquired a range of managerial skills, enabling me to effectively lead, collaborate and drive business growth through data driven insights.

Describe how you could improve your communication skills (In terms of improvement in oral communication, written communication, conversational abilities, confidence levels while communicating, anxiety management, understanding others, getting understood by others, extempore speech, ability to articulate the key points, closing the conversation, maintaining niceties and protocols, greeting, thanking and appreciating others, etc.,)

\* Oral communication :-

- Practice public speaking and presentations.
- Engage in debates and discussions
- Record and analyze personal speech patterns.

\* Written communication :-

- Write regularly (articles, journals)
- Edit and proofread work
- Learn concise and clear writing techniques.

\* Conversational Abilities :-

- Engage in diverse social interactions
- Practise active listening
- Ask open ended questions.

\* Confidence levels :-

- Prepare thoroughly for presentations and conversations.
- Focus on strengths and accomplishments
- Visualize successful interactions.

\* Anxiety Management :-

- Practice relaxation techniques (meditation)
- Reframe negative thoughts
- Develop positive self talk.

## \* Getting Understood :-

- Articulate thoughts clearly.
- Use simple language
- Check for understanding

## \* Extempore Speech :-

- Practice thinking on feet
- Prepare for common questions
- focus on key message.

## \* Articulating Key Point :-

- Identify main ideas
- Organise thoughts logically
- Use clear and concise language.

## \* Closing Conversations :-

- Summarize key points
- Set clear actions or next steps
- Express gratitude

## \* Maintaining Niceties and Protocol :-

- Learn culture and professional etiquette
- Use appropriate greetings and closure
- Show appreciation and gratitude

By implementing these strategies, I aim to enhance my communication skills, becoming a more effective, confident and empathetic communicator.

→ Seek feedback from others, observe effective communications, develop a growth mindset and embrace continuous improvement.

Describe how could you enhance your abilities in group discussions, participation in teams, contribution as a team member, leading a team/activity.

-Enhancing abilities in group discussions, Team participation and leadership:

\* Group discussions :-

- 1, Active listening : focus on others perspective, ask clarifying questions
- 2, Prepare thoroughly : Research topic, organize thoughts
- 3, Encourage others : Invite quieter members to contribute.
- 4, Respectful dialogue : Foster constructive debate, avoid conflicts.
- 5, Summarize and Synthesize : clarify key points, connect ideas.

\* Team participation :-

1. Collaborative mindset : Embrace diverse perspectives, build on others' ideas.
2. Clear communication : Share thoughts, ask questions and clarify expectations.
3. Flexibility and Adaptability : Adjust to changing dynamics, priorities.
4. Reliable and Accountable : Meet commitments, take ownership.

\* Contribution as a team member :-

1. Identify strengths :- Leverage individual skills, expertise.

- 1, Support colleagues :- offer assistance, guidance.
  - 2, Creative problem solving : share innovative ideas.
  - 3, Open mindedness : Embrace new approaches, perspectives.
  - 4, Celebrate successes : Recognize team achievements.
- \* Leading a team effectively :-
1. Clear vision : Define objectives, expectations.
  2. Empower Team members : Delegate tasks, encourage autonomy.
  3. Effective communication : set goals, prioritize tasks.
  4. Strategic planning : Regular updates, active listening.
  5. flexibility : Adapt to changing circumstances
  6. Motivation and Encouragement : foster positive team culture
  7. Accountability : Take responsibility, lead by example.
  8. Celebrate success : Acknowledge team achievements
  9. Continuous Improvement : solicit feedback, refine strategies.

By implementing strategies, I aim to enhance my abilities in group discussions, team participation and leadership, becoming a more effective collaborative and inspiring team player and leader.

Describe the technological developments you have observed and relevant to the subject area of training (focus on digital technologies relevant to your job role)

## Technological Developments Relevant to training

1. Learning management system (LMS) :- Enhanced user experience, mobile accessibility and analytics.
2. Artificial Intelligence (AI) :- Personalized learning, adaptive assessments and intelligent tutoring.
3. Virtual and Augmented Reality + Impressive simulations, Interactive training, and enhanced engagement.
4. Cloud computing & Scalable infrastructure, Collaborative tools and remote access.
5. Big Data Analytics & Insights -driven training, performance training, and predictive modelling.
6. Mobile learning (m learning) :- Bite sized content, just-in-time learning, and offline access.
7. Social learning platforms :- collaborative learning, discussion forums and community building.
8. Gamification & Engaging learning experiences, rewards and competition.
9. Video-based learning & Interactive videos, 360-degree views and live streaming.
10. Automation and Robotics & Process automation, robotic process automation (RPA) and workflow optimization.

11. Natural language Processing (NLP) :- Chatbots, voice assistants and sentiment analysis

12. Internet of Things (IoT) :- Connected devices, sensor-based learning and real-time data.

13. 3D printing and modelling & Interactive simulations prototyping, and experimental learning. These technological advancements and have transformed the training landscape, enabling.

- Personalised learning experiences
- Increased engagement and interactivity
- Improved accessibility and scalability
- Enhanced analytics and insights
- Streamlined processes and automation
- Collaborative and social learning
- Embracing these technologies enhances my job role by:

- Developing engaging training content
- Leveraging data-driven insights
- Implementing efficient processes
- Fostering collaborative learning environments
- Staying up-to-date with industry trends and advancements.

## PHOTOS & VIDEO LINKS

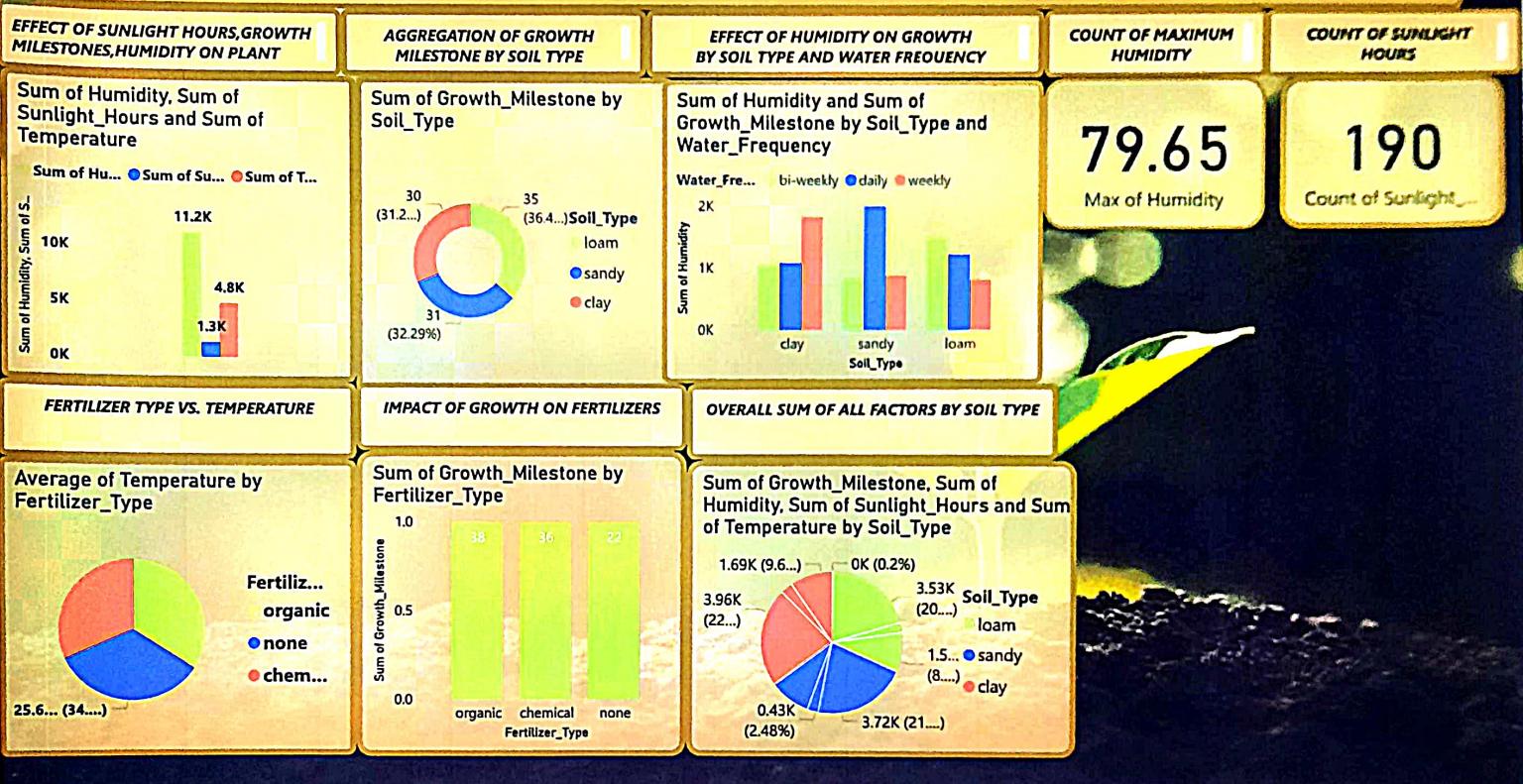
### VIDEO LINK :-

<https://drive.google.com/file/d/1IVstPFVDD8sHoumF4oxI4vDbs50oLxDQ/>  
view?usp=drivesdk.

### Photos :-

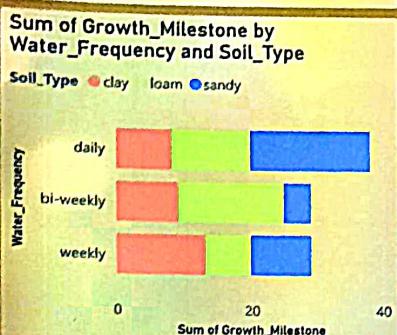
Photos of the overall presentation are as follows :-

## PREDICTING PLANT GROWTH STAGES WITH ENVIRONMENTAL AND MANAGEMENT DATA



## PREDICTING PLANT GROWTH STAGES WITH ENVIRONMENTAL AND MANAGEMENT DATA

WATER FREQUENCY EFFECTING GROWTH BY SOIL TYPE



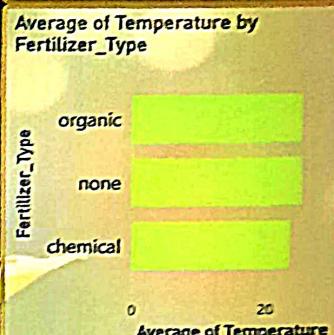
79.65  
Max of Humidity

1  
Count of Growth\_Milestone

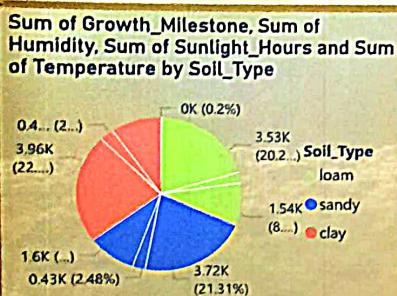
190  
Count of Sunlight\_Hours

189  
Count of Temperature

AVERAGE TEMPERATURE TO EACH FERTILIZER TYPE



OVERALL SUM OF ALL FACTORS BY SOIL TYPE



TOTAL DESCRIPTION ABOUT THE FACTORS NEEDED FOR PLANT GROWTH

**Soil Type:** Types include loam, sandy, clay.  
**Sunlight Hours:** Number of hours of sunlight the plants receive.  
**Water Frequency:** How often the plants are watered (daily, bi-weekly, weekly).  
**Fertilizer Type:** Type of fertilizer used (organic, chemical, none).  
**Temperature:** Temperature during the plant growth period.  
**Humidity:** Humidity level during the plant growth period.  
**Growth Milestone:** Indicator if the growth milestone was achieved (1 for yes, 0 for no).

EFFECT OF HUMIDITY AND GROWTH BY SOIL TYPE, WATER FREQUENCY

