SHORT-TERMINTERNSHIP

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VISAKHAPATNAM

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I would like to thank your principal sir Dr G.S.K chakravarthy for giving me this wonderful opportunity

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I thank my lectures, mentors and my friends who helped me to do this project. without them this project would not have been completed

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chapter 1 :- executive summary

Description of the sector of business & intern organitation

smart bridge operates in the data analytics sector providing innovature solution to enhance business intelligence the organization leverage power BI to empower limts with actionable insight. Enabling data-driven decision-making.

learning obective and outcomes

(1) understand powerBI fundamentals (2) bata modling
(3) praficcency in power BI tools (4) bata claming transformation
(5) bata visulalization (6) Report design and sharing

summary of internship activities

1. Attending have training sessions and project-mentoring sessions
(2) selection of topic - "comprehensive analysis of house price using power bi" and gathering cleaning and analyzing if mulated dataset in Excel
(3) Team information and assignment of tasks to team membrs
(4) Designing & Developing interactive dashboards, story, report on project using power BI
(5) Drafting a project video demonstration and preparation of final report.

chapter-2: overview of the organization

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 cooperative relationship between industry & Academic smart bridge partners with companies such as google to offer virtual intership the interships provide students with hands on experince with the latest technologies, and enable project based learning program" the program develops student skill in emerging technologies i.e (1) Artificial intelligince (2) machine learning (3) internet intelligence of things

organizations objective:

Smart Bridg main objective is to bridge the existing gaps between preveting industry standards and what the academics offer to the graduates while passing out of university. smart Bridge offer suitable skill development of training to the young tatent before n boarding their first job their skill development programs are designed considering the present is demand skill in the industry. we there by work among the line to offer best programs that help the students to gain machin practical knowledge and hands on training. to learn skill of the futhor therefore. The main objective of smart bridge is providing internship for every student, promote industry approved proffessional elective & become a talent factory of India by 2026

chapter-3 Internship part

Description of the activities / responsibilities undertaken

(1) Registering with APSCHE smartinternz & enrolling for Smartbridge data analytics, course i.e have training sessions as per scheduled training calender

(2) participating weekly Quiz & completing weekly assignments with respect to data analytics

(3) Team formation & selection of project comprehensive analyis of house price using power bi

4 Gathering, cleaning & analyzing the excel data set of the project topic - travel insurance using power bi

(5) Attending project - mentoring sessions and designing with team webpa and developing interactive dashboard report on the project topic using power BI

(6) web integration of above project deliverable with team's webpage using visual studio code, drafting a project video demonstration and preparation of final project report

(7) submission to team project via uploading the project files in Github repository of the team.

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.)*

For a project like "optimizing strategies for used car sales Analysis using powerBI", here's a description of a typical work environment that could be expected:

*people Interactions: Regular interaction with team members, including data analysts, sales managers, and IT support.
communication often happens through meetings email, and collaborative tools.

*Facilities Available and maintenance: well - maintained office spaces with acess to necess- ary facilities such as high-speed internet computers with powerBI installed, computer and data storage solutions. offices are often equipped with comfortable workstations and meeting rooms.

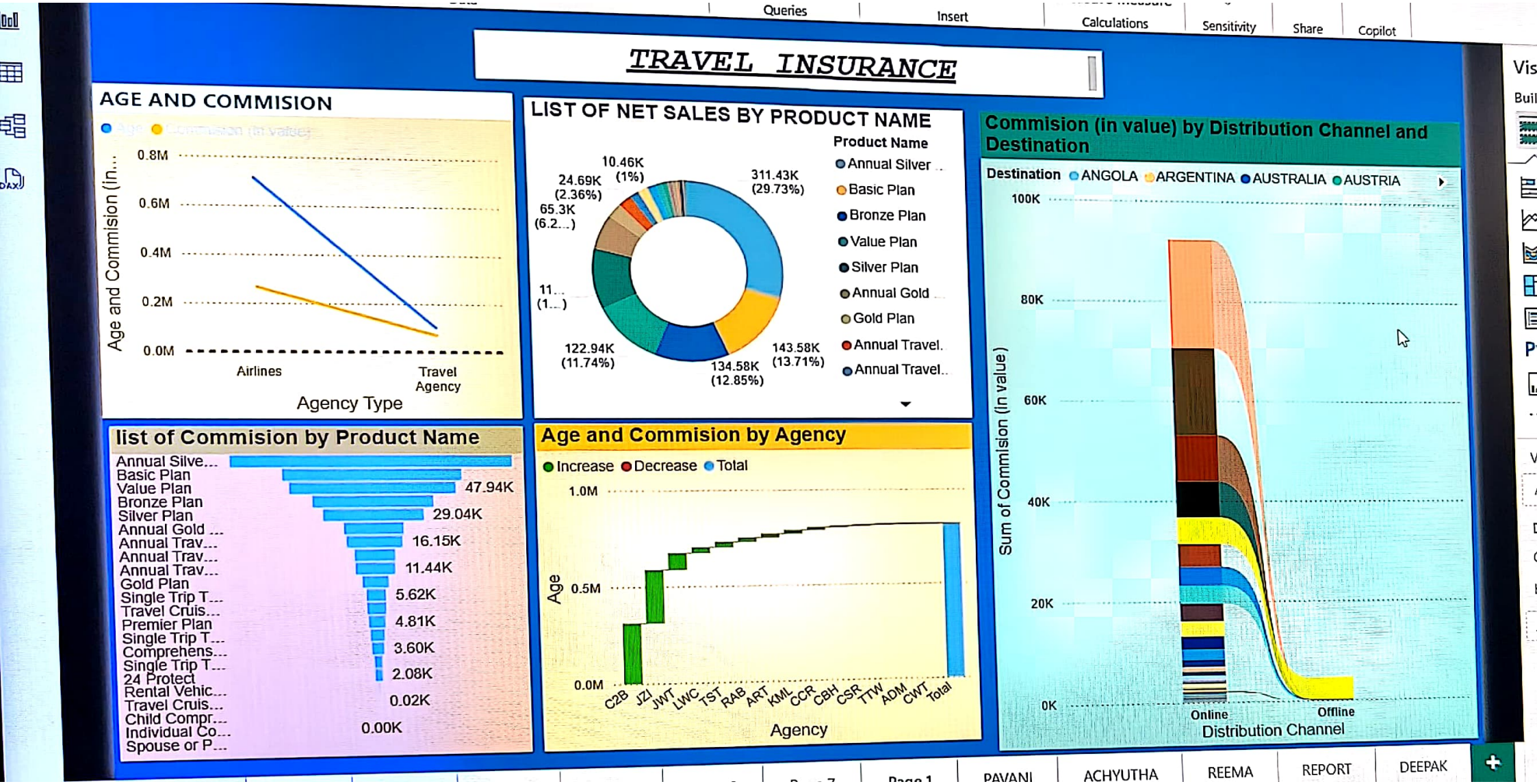
*clarity of Job Roles: Job roles are generally well-defined, with clear responsibilities for data collection, analysis report creation, and strategy optimization. project managers and team lead provide direction and ensure alignment

* protocols, procedures and processes : standardized protocols for data handling analysis, and reporting are followed. procedures are in place for data validation, report generation, and presentation to stakeholders.

*Discipline and Time mangement:
Adherence to deadlines and efficient time mangement are crucial. Team follow project timeline and use tool like Gantt charts or project management software to track progress

* Harmonious Relationship
A collaborative environment where team members supports each other. conflicts are resolved through effective communication and mediation, fostering a positive work atmosphere.

*Mutual support and Teamwork:
Emphasis on teamwork with regular check-ins and collaborative sessions. team members share expertise and assist each other in problem solving.

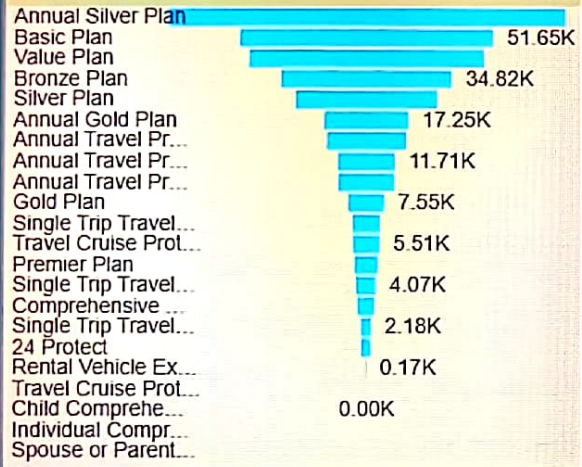

TRAVEL INSURANCE
AGE AND COMMISION
Age and Commision (in...
0.8M
0.6M
0.4M
0.2M
0.0M
Airlines
Travel Agency
Agency Type
LIST OF NET SALES BY PRODUCT NAME
10.46K (1%)
24.69K (2.36%)
65.3K (6.2...)
311.43K (29.73%)
122.94K (11.74%)
134.58K (12.85%)
143.58K (13.71%)
Product Name
Annual Silver ..
Basic Plan
Bronze Plan
Value Plan
Silver Plan
Annual Gold ...
Gold Plan
Annual Travel..
Annual Travel..
Commision (in value) by Distribution Channel and Destination
Destination ANGOLA ARGENTINA AUSTRALIA AUSTRIA
Sum of Commision (in value)
100K
80K
60K
40K
20K
0K
Online
Offline
Distribution Channel
list of Commision by Product Name
Annual Silve...
Basic Plan
Value Plan
Bronze Plan
Silver Plan
Annual Gold ...
Annual Trav...
Annual Trav...
Annual Trav...
Gold Plan
Single Trip T...
Travel Cruis...
Premier Plan
Single Trip T...
Comprehens...
Single Trip T...
24 Protect
Rental Vehic...
Travel Cruis...
Child Compr...
Individual Co...
Spouse or P...
47.94K
29.04K
16.15K
11.44K
5.62K
4.81K
3.60K
2.08K
0.02K
0.00K
Age and Commision by Agency
Increase Decrease Total
Age
1.0M
0.5M
0.0M
C2B JZI JWT LWC TST RAB ART KML CCR CBH CSR TTW ADM CWT Total
Agency
Queries
Insert
Calculations
Sensitivity
Share
Copilot
PAVANI
ACHYUTHA
REEMA
REPORT
DEEPAK

Format painter | Get data | Excel workbook | OneLake data hub | SQL Server | Enter data | Dataverse | Recent sources | Transform data | Refresh | New visual | Text box | More visuals | New measure | Quick measure | Sensitivity | Publish | Copilot

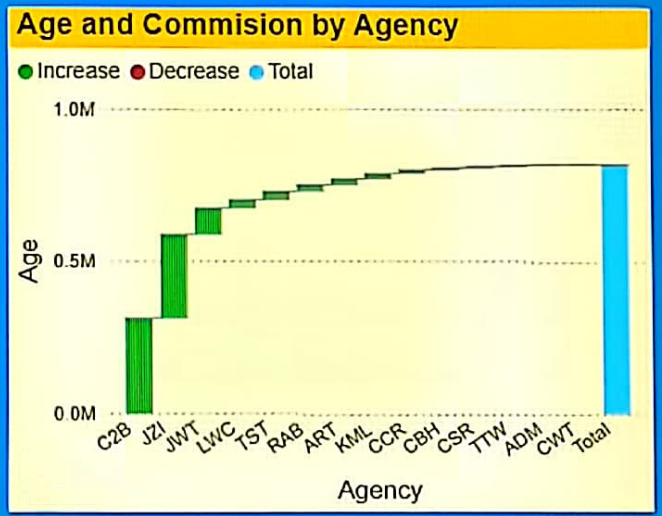
Clipboard | Data | Queries | Insert | Calculations | Sensitivity | Share | Copilot

TRAVEL INSURANCE REPORT

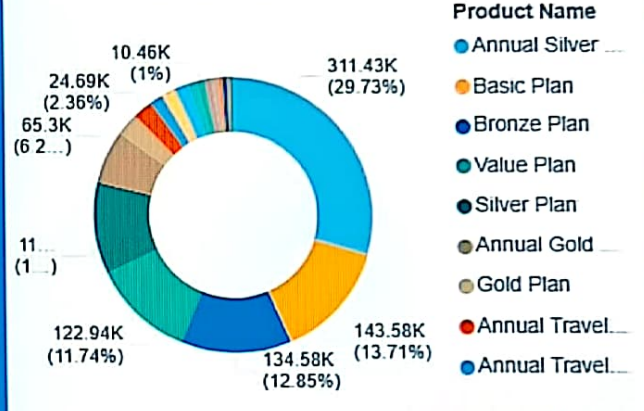
Commision by Product Name



Age and Commision by Agency



LIST OF NET SALES BY PRODUCT NAME



REPORT :- This dataset has information of travel insurance .Travel insurance consists of age, agency type , claim , commission , destination, distribution duration, gender net sales and product name.

A third-party travel insurance servicing company that is based in Singapore.

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ACTIVITY LOG FOR THE FIRST WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day – 1 03/07/24	Introduction of data Analysis	Analysis of the topic	
Day - 2 04/07/24	Agenda and understanding courtumers	clean view of business problem and solutions	
Day – 3 05/07/24	Analysing and implementing data	putting the data in visual form	
Day – 4 05/07/24	data Analytics tools and technologies	learned about different tool and insights	
Day – 5 05/07/24	Data Analytics Application	where it is used in diff sectors	
Day – 6 06/07/24	Researched the additional information online	additional information about DA	

WEEKLY REPORT

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

Objective of the Activity Done: Introduction to Data Analytics and Power BI

Detailed Report: In the first week, we were introduced to the fundamentals of data analytics, emphasizing the role of data-driven decision-making in modern businesses. The sessions covered the basics of data analysis, different types of data, and the important of data visualization

We also explored power BI understanding its interface, features, and how it integrates with other microsoft products

The week conducted with a hands-on session on loading and transforming data in power BI.

ACTIVITY LOG FOR THE SECOND WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1 08/07/24	oala Analytics application	learned about different toule and insights	
Day - 2 09/07/24	Data Analytics application	where it is used in diff sec	
Day - 3 10/07/24	data Analytics process and step in DA	learned about data clearing and processing	
Day - 4 11/07/24	data Analytics process and step is DA	learned about data clearing and processing	
Day - 5 12/07/24	Types of data Analytics	different types in DA in clear way	
Day - 6 13/07/24	Revision on given topics	Revised about DA	

WEEKLY REPORT

WEEK – 2 (From Dt. 8/7/24 to Dt. 12/7/24)

Objective of the Activity Done: Data transformation and modeling

Detailed Report: The second week focused on data transformation and modeling within power BI

we learned 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 modeling concepts such as relationship, cardinality, and data hierarchies.

The practial sessions helped reinforces these concepts by allowing us to create and manage data models effectively

ACTIVITY LOG FOR THE THIRD WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day – 1 15/07/24	buiBness problems and the solutions practise	challenges faced in organization	
Day - 2 16/07/24	buisness problems and the colution practise	challenges faced in organization	
Day – 3 18/07/24	power BE in Action	visible insight a sales for cost	
Day – 4 19/07/24	BI Architeture	learned about structure	
Day – 5 19/07/24	BI Architecture	learned about structure	
Day –6 20/07/24	Revision on given topics	Revised about DA	

WEEKLY REPORT

WEEK – 3 (From Dt:15/7/24 to Dt:19/7/24)

Objective of the Activity Done: Data visulization Techniques

Detailed Report: In the third week, the emphasis was on data visualization techniques using power BI

we explored various type of charts graphs, and map that can be created in power BI to visualization insights

The sessions included best practices for selecting the right visualization based on the type of data and the message we want to convey we also learned about customizing visual elements, using themes, and enchancing reports with interactive features like slicers and drill - throughs.

ACTIVITY LOG FOR THE FORTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1 22/07/24	data to insights flow in power BI	learned about data and model view	
Day - 2 23/07/24	tables and merges	learned about the kind in merge	
Day - 3 24/07/24	tables and merges	learned about the kind in merge	
Day - 4 25/07/24	ETL tool in power Query	while power BI data flows	
Day - 5 26/07/24	ETL tool in power Query	while power BI data flows	
Day - 6 27/07/24	Researched the additional informa-tion	additional information about BI	

WEEKLY REPORT

WEEK – 4 (From Dt 23/12/24 to Dt 26/12/24)

Objective of the Activity Done: Advanced Analytics and DAX

Detailed Report: week four delved into advanced analytics and data analysis expression (DAX) in power BI

we learned how to create calculated columns, measures, and custom tables using DAX. The training covered complex DAX functions such as time intelligence filtering and aggregation

we also explored advanced analytical techniques like trend analysis forecasting, and what if scenarios

The week ended with exercises to build dynamic reports using DAX-driven insights.

ACTIVITY LOG FOR THE FIFTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1 29/07/24	filter functions in DAX	different filteres in DAY	
Day - 2 30/07/24	filter function in DAX	different filters in DAX	
Day - 3 31/07/24	preparation for grand assesment test	preperation for assesment test	
Day - 4 01/08/24	grand assesment test	gave the grand assoment test	
Day - 5 02/08/24	data Analytics . esepressions DAX	learned about the espress ion and function	
Day - 6 03/08/24	discussion Regarding project	discused about projed	

WEEKLY REPORT

WEEK – 5 (From Dt.29/7/24.. to Dt.2/8/24.)

Objective of the Activity Done: power BI service and collaboration

Detailed Report: The fifth week covered the power BI service and its collobriations features.

we learned how to publish reports to the power BI service, share dashboards and collaborate with team member in real time. The session, emphasized data security, row-level security (RLS), and managing workspace

we also explored power BI's integrations with other microsoft tool. like excel, Teams and share point, making it easier to collaborate and share insight across the organitation.

ACTIVITY LOG FOR THE SIXTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1 05/08/24	filter function in DAX	different filters in DAX	
Day - 2 05/08/24	filter function DAX	different filters in DAX	
Day - 3 06/08/24	preparation for grand assesment test	preperation for assement test	
Day - 4 06/08/24	preparation for grand assesment test	preperation for assesment test	
Day - 5 07/08/24	grand assesment test	gave the grand assesment test	
Day - 6 09/08/24	Researched the additional informa-tion online	additional information about BI	

WEEKLY REPORT

WEEK – 6 (From Dt. 5/8/24 to Dt. 9/8/24.)

Objective of the Activity Done: Best practise and industry application

Detailed Report:

In the final week of internship classes, we focussed on best practices in data analytics and realworld application of power BI accross various industries

we discussed key strategies for optimiting data models, enchancing report performance, and maintaining data goverance

The sessions also include case studies showcasing how companies use powerBI for Business intelligence, sales analysis, financial reporting and operational efficiency. The week wrapped up with an overviews of the upcoming project work

ACTIVITY LOG FOR THE SEVEN WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day – 1 18/08/24	Formation of team	clear view on team	
Day - 2 13/08/24	project scope and objectivies	clear viewon project assigned	
Day – 3 14/08/24	Aggregation of public reports	seggergation of data analysis	
Day – 4 15/08/24	configured public refreshes	Reviewed self on dataset	
Day – 5 16/08/24	feedback on accessibility with published report	clearview on outcome off reports	
Day –6			

WEEKLY REPORT

WEEK-7 (From Dt.....12/8/24..... to Dt.....16/8/24.....)

Objective of the Activity Done: visualisatio
Project work data analysis and

Detailed Report: The seventh week marked the begining of the project phase

we started by defining the project scope, objectives and deliverables.

The project involved analyzing a dataset provided by smartintern3 cleaning and transforming the data, and building a datamodels

our team focused on identifying key matrics, trends and patterns that could drive business decisions

The intial reports and dashboards were created to visualize thes insights, using the skill and techniques learned over the past six weeks.

ACTIVITY LOG FOR THE EIGHTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day – 1 19/08/24	Formation of team presenting actionable insights	clear vieco on team/pictorial representation	
Day - 2 20/08/24	presenting the dash-boards and reports	Representing the final output	
Day – 3 21/08/24	collaborations, file uploading	Alloting work to all members in team	
Day – 4 22/08/24	Reviewing on dashboard, report	clear view on workdone in DA	
Day – 5 23/08/24	submission of project	submitted to mentors	
Day – 6			

WEEKLY REPORT

WEEK-8 (From Dt.....12/8/24..... to Dt.....23/8/24.....)

Objective of the Activity Done: finalization and Presentation

Detailed Report:

In the final week, we completed the project by refining our reports and dashboards, ensuring they met the project requirements.

We focused on Enhancing the Visualsappeal and usability of the dashboards by adding interactive elements and ensuring the data was accurately represented. the week Culminated with a presentation to the Smart Intern3 Team where we showcased our findings, Explained the methodologies used, and demonstrated how the insights could be applied to solve real business problems

The project was well receiv-ed, making a successful conclusion to be the intership.

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 advancements have significantly transformed the travel insurance industry, especially with the integration of digital technologies. Here are some key developments relevant to your job role in a travel insurance project:

1. AI and Machine learnings
- Risk Assessment: AI algorithms can analyze vast amount of data to predict risk more accurately, leading to better pricing model for travel insurance policies
- Relevance: This technology reduces manual work, accelerates claim resolution, and enhances customer satisfaction by providing faster and more accurate claim outcomes.

2. Big Data Analytics
- Development: Big data allows companies to analyze vast amount of customer data to identify trends, personalize offorings, and manage risks better.

2. participation in Teams:

- collaboration: Emphasize working closely with team members, sharing ideas, and helping other to achieve common goals. offer your support when needed and encourage open communication.

- Adaptability: Be flexible and willing to take on different roles within the team. This shows your commiment and enhances your understanding of various aspects of the project.

- problem-solving: Develop your ability to analyze issues, propose solution, and participate in troubleshooting efforts durning the project.

By focusing on these area, you can significantly improve your effectiveness improve your effectiveness in group discussions, teamwork, and leadership roles, leading to the successful completion of the travel insurance project.

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.,)*

improving communication skills, especially within the context of a travel insurance project, requires a strategic approach across various area

1. oral communication:

- practice active listenings: pay attention to the speaker, acknowledge their point, and respond thoughtfully. This will help you understand clients needs better and improve your responses
- Engage in Regular Discussions: participate in meeting and discussion about the project which will allow you to practice conveying your thought clearly and confidently
- seek Feedback: After presentations or discussions, ask for feedback on your clarity and delivery to identify area for improvement.

2. written communication

- concise and clear writing: Focus on writing emails, reports, and other documentation in a clear, concise manner, avoiding jargon This will help in communicating effectively with clients and stakeholders.

4. Behaviour :

- Skill Acquired : cultivated a professional attitude, consistently demonstrating respect, empathy and understanding in all interactions.

5. Workmanship :

- Skill Acquired :

Refined my attention to detail and commitment to quality, ensuring that all work met or exceeded expectations.

Example : Delivered high-quality work that was recognized by management for its accuracy and thoroughness.

6. productive Use of Time :

Skill Acquired : Developed time mangement skills to prioritize tasks effectively and make the best use of available time.

Example : Implemented a time-tracking system that reduced wasted time and increased productivity by 15%.

These examples illustrate how you applied and developed your managerial skill within the specific contex of a travel insurance project, demonstrating your ability to lead and manage complex initiatives.

Describe how could you could 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 within a travel insurance project can be achieved through a combination of self-awareness practice, and strategic actions.
Here's how you could develop these skill:

1. Group Discussions

- Active listening: improve your ability to listen activity to other viewpoints ensuring that you understand their perspectives before responding. This fosters a more inclusive discussion and can lead to better decision making

- Effective communication
work on articulating your thought clearly and concisely. practice summarizing point, asking relevant questions, and providing constructive feedback.

- staying informed: Regularly update yourself on the latest trends, regulation, and challenges in the travel insurance industry. This will enable you to contribute valuable insights during discussions.

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

For a travel insurance project, the real time technical skill and hand-on experience you might acquire include:

Data Analysis: proficiency in analyzing large data-sets related to travel claims, customer demographics and policy usage skill in tool like excel, SQL, or python for data manipulation and analysis

Insurance Industry knowledge:
understanding of travel insurance product, policy structures, risk assessment and claim processes. Familarity with industry regulations and compliance requirements.

powerBI and Data Visualization:
expertise in using powerBI to create interactive dashboard and reports. skills in designing and reports. skill in designing visualization that convey insight about claim trends, customer behavior, and policy performance.

Database mangement:
experience in working with database, including data extraction, transformation, and loading (ETL) process Familiarity with database mangement system such as SQL server or mySQL.

- Relevance: In travel insurance, this technology help in understanding customer behavior predicting risk, and designing more tailored insurance products

3. Blockchain Technology

- Development: Blockchain is being adopted for secure and transparent data management particularly in handling policy enforcement and claims settlement

Relevance to Training

- Secure Training Records: Blochain ensures that integrity and security of training records making it easier to track employee progress and certification

These technologies have not only enhanced operational efficiency but also revolutionized the way customers interact with travel insurance products, making the process more seamless, secure, and customer-centric