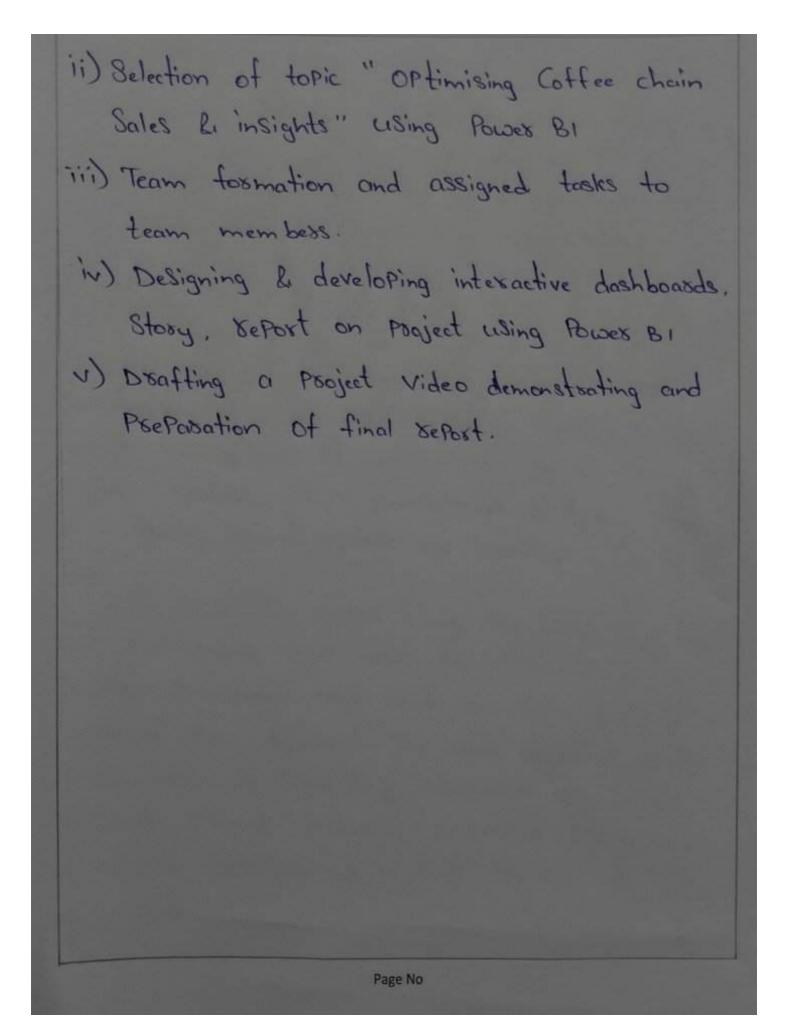


This power B. II presentation on tiple Acknowledgements " Godustoial safety and Health analytics" we acknowledge the power Bill community for their valuable resources, Futorials and forms that alded in our project development we think for creating a power ful and invotive plat form for classa visualization and analysis, we thome for their expertise in Enclositation safety and Health analytics, in the Snowstries and Health field which informed our predentive model. we thome our tean members for their contributions to date analize and viscalization and insights. finally, we thank our team members for their hard world and dedication to this project.

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- 3: INTERNSHIP PART
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- 7: Student Self Evaluation of the Short-Term Internship
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- 9: PHOTOS & VIDEO LINKS
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CHAMER! : EXECUTIVE SUMMARY Description of the Sector of business Intern Organization Smoot bridge operators in the data analytics Sector Providing innovative Solutions to enhance business intelligence. The organization Leverages Power. with actionable insights, enable data - driven decision - making. learning Objectives de outlomes 1) Understand Power BI fundamentals 2) Data Modeling 3) Proficiency in Power B1 tools 4) Data Cleaning and transformation 5) Data Visualization 6) Report design and shaving. Summary of internship activities i) Attending live tocining Sections and Projects monitoring Sessions.



CHAPTER 2 : OVERVIEW OF THE ORGANIZATION

Smast bridge is a Platform that offers a Virtual internship to the Students. The Platforms Soal is to Prepare students for the job marketing by establishing a Comparative relationship.

Organization's Objective

Smast bridge main Objective is to bridge the existing gaps between Prevailing industry standard, and what the academics offers to the graduates while Passing out of universities. Smast bridge Offers Suitable Skills development & training to the young talent before on boarding their first job.

He here by work along the line to offer best Pertormance that helps the students to gain Practical Knowledge and hands on training to learn Skills of these future... The main objectives of the Smoot bridge is Providing internship for every Student Promot industry approved Protessional Collectives becomes a talent factors of india by 2026.

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 analytics	-Analysis of the topic	
Day - 2 4-7-24	Agenda and understanding Customers	Clear View of Business problems and Solution	
Day - 3 5-7-24	-Analysting and implementing data	Putting the data In Visual form	
Day - 4	Data analytics took and technology	learned about different tooks and insights	
Day-5	Data analytics applications	Where it is Used in different Sector	
Day-6	Rosearched the additional information online	-Additional impermation about DA	

WEEKLY REPORT WEEK-1 (From Dto 3/2/12/10 Dt 05/2/24)

Objective of the Activity Done: What is data - Industrics ?	
Detailed Report: The improve involved in the limited in the limit	
first land I have involved in data analytics i	n Ch
-first loaned about the definition, Agenda and steps	to
orcherstand about the data malytics also discard	the
problems and solutions to Analyse the data and	
based on steps as	
- Comparing the data	
putting the data in Visual	
Breaking the data	
Also conderstand the Concept of t	ool
in obtained analytic, which helps to store the o	lata
in efficient and Secure manner	(IIVO
- Sqc	
- NO SQL	
DA technologies like	MI
Data Management 1840	
. Data Management Ilke, data Visualisation	
predictive model.	
the also learned about whome this do	ta
the tred on applied is the local	
(9ke finance letail landing, Agriculture and	74
Companies like ober 1100 and	
Companies like ober use DA for growth	

Page No

ACTIVITY LOG FOR THE SECOND WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In- Charge Signature
Movolary Day -1 8	Data analytics application	learned about different tooks and insight	
Day - 2	Data analytics application	Where it is Used in different Soction	
wednes olary Day - 3	Data analytis forecess and steps in DA	loarned about data clearing and processing	
Thurs Day - 4	Data analytics process and steps is DA	learn about data clearing and processing	
Ariday Day - 5	Types of Analytics	offerent types in both in Cloud way	
Naturday Day -6	Revision on given topics	Revised about DA	

WEEKLY REPORT WEEK-2 (From Dt. 98 17 124 to Dt. 12 17 124

OL: WEEK-2 (From Dt. 98 1+12 (to Dt. 12 1 + 124)
Objective of the Activity Done:
Objective of the Activity Done: Detailed Report: Objective of the Activity Done: Oata Analytics process & Structure
Report.
the Second week learned about the
different distributions
process that is required in data
analytics data Cleaning and processing the d
e and processing the d
in a detailed manner and also no 14 A
in a detailed manner and also this data type
of DA into 's Catogories
-> Descent
-> Descriptive analytics
Diagnostic analytics
Predictive analytics
Mescriptive analytics
in the analytics
Also lained about the challenges
Laced in the area is
faced in the organisation with the solutions,
with power bi in action walled
with power bi in action which gives visible
insight and sales farce forecasting also about
the steachers of the
the structure of the data analytics mainly
teaches about DWH that is data were housing
data Were housing
and data basas
Colloct - Inles +n1
Collect - integratells - Store - analysis
Distribute and read will ETL tools.
will ETL tooks.

ACTIVITY LOG FOR THE THIRD WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In- Charge Signature
Day - 1	Business problems and the solutions (protriese)	Challenges faced in organisation	,
Day - 2	Business problems and the Solutions Corractice)	Challenges faced in Organisation	
Day - 3	power B1 in action	Visible insight 8 sales for Coast	
Day - 4	BI Orchitecture	larned about Structure	
Day - 5	BI Architecture	learned about Structure	
Day -6	Revision on given	Revised about DA	

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

Objective of the Actuvity Done: Data insights and flow PET Detailed Report: The third wheeks learned about the insight of data flow in power by which which the insight of data flow in power by which will be insight of data flow in power by which is commended and data merge and table in Columness and source with join kind in Columness and souly in first and contever full outer for only matching rows only in Second) Also learned about ETL tool in power also learned about the data and transform also learned about the data and transform also learned about the the data will out the Model View for data modelling to generate Report and insights also bearned about the
about the ineight of data flow in power by which helps to extract the data and transform lead in power by which which helps to extract the data and transform also learned about the tree data and transform also learned about the tree data used and transform also learned about the tree data used and transform also learned about the tree data used and transform also learned about the tree data used and transform also learned about the tree data used and transform also learned about the tree data used and transform also learned about the tree data used and transform also learned about the tree data used and transform also learned about the tree data used and transform also learned about the tree data used and transform also learned about the tree data used and transform also learned about the tree data used and transform also learned about the tree data used and transform also learned about the tree data used and transform also learned about the tree data used and transform also learned about the tree data used and transform also learned about the tree data used and transform also learned about the tree data used and transform also learned about the tree data used and transform also learned used the tree data used and transform also learned used the tree data used and transform also learned used the tree data used and transform also learned used used the tree data used and transform also learned used used the tree data used and transform also learned used used the tree data used and transform also learned used used used used used used used us
about the ineight of data flow in power b) which holps to extract the data and transform also learned about the transform and transform also learned about the tree data und transform also learned about the tree da
about the ineight of data flow in power b) which holps to extract the data merge and table visit from kind is extract the data and transform also learned about the the data and transform also learned about the the data will and the model view for data modelling to generate
Viewed the model and data merge and table in Columnes and cource with join tand in Left outer Right outer Timer (only mothing rows) left anti (rows only in first) Right anti (rows only in Jewand) - Also loarned about ETL tool in power avery that is extract transform load (ETL) which helps to extract the data and transform also learned about the the data wiew and the Model View for data modelling to generale
Teft outer Right outer Full outer Inner (only matching rows) left anti (rows only in first) Right anti (rows only in Second) -tlso loaned about ETL tool in power army that is extract transform load (ETL) which helps to extract the data and transform also learned about the the data and transform also learned about the the data view and the Model View for data modelling to generate
Right outer Full outer Jonner (only motching rows) left anti (rows only in first) Right anti (rows only in Second) Also loarned about ETL tool in power army that is extract transform load (ETL) which helps to extract the data and transform also learned about the the data wirew and two model view for data modelling to generate
Right outer Full outer Inner (only motching rows) left anti (rows only in first) Right anti (rows only in Jeward) -7/so learned about ETL tool in power average that is extract transform load (ETL) which helps to extract the data and transform also learned about the the data wiew and two Model view for data modelling to generate
Inner (only motching rows) left anti (rows only in first) Right anti (rows only in Second) - Also loarned about ETL tool in power arverry that is extract transform load (ETL) which helps to extract the data and transform also learned about the the data wide and transform also learned about the the data view and the Model View for data modelling to generate
Inner (only motching rows) left anti (rows only in first) Right anti (rows only in Second) - Also loarned about ETL tool in power are in that is extract transform load (ETL) which helps to extract the data and transform also learned about the the data wiew and the model view and the model view for data modelling to generate
left anti (rows only in first) Right anti (rows only in Second) - Also learned about ETL tool in power avery that is extract transform load (ETL) which helps to extract the data and transform also learned about the the data view and the Model View for data modelling to generate
Right antl (rows only in Second) -Also loarned about ETL tool in power avery that is extract transform load (ETL) which helps to extract the data and transform also learned about the the data view and the Model View for data modelling to generate
That is extract transform load (ETL) which helps to extract the data and transform also learned about the the data view and true Model View for data modelling to generate
also learned about the the data und transform also learned about the the data view and the Model View for data modelling to generate
also learned about the the data view and the Model View for data modelling to generate
woodel view for data modelling to generate
Model View for data modelling to generate
Report and invite to
I ghis also bearing about The
Overload Orderleve in the process of
analysis in BI research about as an
ETL tool.
(000

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ACTIVITY LOG FOR THE FORTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In- Charge Signature
Day - 1	Data to insight flow in Power BI	learned about deta and model View	
Day - 2	tobbs and merges	learned about the Kluds in merge	
Day - 3	-tables and merges	leasned about the Kruck in mange	
Day - 4 2412174	Eth tools'm Nower Querry	While pover BI data flows	
Day - 5	ETL tools in power Querry	While power BI dota	
26/3/24 Day -6	Research the additional information oullne	additional information about BI	

Page No:

WEEK-4 (From Dt22) - 2/24 To Dt.26(7/24)

Oh:
Objective of the Activity Done: Data analytics exporession
Detailed Report: In fourth Weak, I learned
about the Concept of DAX (date analytics expression)
in Dax
Different DAX, function
- Aggregate function & is blank is number, is tost
text function & lover / Max, average, sum
Data function - lower (upper, Roplace)
logical function - Date, data, -Add, difference
Counting function + and, or, not
information function & Count, distinct Count
in the end of the faints well Berised
all the topics that were Thought from the first day
of the interniship programme. which helped me to
attend the grand assessment test after prepairing
for the assessment lest will gave assessment
test on al the topics we learned
In this fourth week we make
appropriate database eventually making the
data analytics ETL. In

ACTIVITY LOG FOR THE FIFTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In- Charge Signature
	Data Sources	learned how	
Day - 1	dash board and	there are used	
9912124	Inx white	en BT	
	Data Collection and	learned about	
Day - 2	clata cleaning	The process	
30/3/24		in DA	
	Data Collectron and	learned about	
Day - 3	data Cleaning	the process in	
31/2/24	O	DA	
	Data analytics	larged about	
Day - 4	expressions (GAX)	the process in	
01124		· DA	
	Data analytics	learned about	
Day - 5	expressions (DAX)	the process in	
० ये भी भ		DA.	
	Discussion	discussed	
Day -6	Regarding moject	abent	The state of
02/2/21	3 - 1 - 1/20	abent project	

WEEKLY REPORT
WEEK-5 (From Dt. 29/7/24... To Dt. 02/8/24

WEEK-5 (From Dt. 2917/24 To Dt. 02/8/24)
Objective of the Activity Done: Powler BI and Collaboration
Detailed Report:
The fifth in m C 1 15
The fifth Week Covered the
Power BI Service and its Collaboration features
We learned how to push reports
to the Power BI Service, chare dashboards and
Collaborate with team members in red time. The
Sessions emphasized data Security, row-level
C. 1- Car
Security (RLS) and managing workspace
We also explored power BI integral
int of the patter is a megral
with Others microsoft took like exel, team
and share point making it easier to
Collaborate and showe insight across the
organisation
3, 3, 4, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7,

Page No

ACTIVITY LOG FOR THE SIXTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In- Charge Signature
	Filter fundrons	different filters	
Day – 1	in DAX	in NAX	
5/8/24			
	Alter function in	different filter	
Day - 2	DAX	m DAY	
6/8/24			
	preparation for	preparation for	
Day - 3	grand assement	assessment test	
6/8/24	test		
	preparation for	preparation for	
Day - 4	grand assessment	assemment test	
7/8/24	test	lest	
	grand assessment	gave the grand	
Day - 5	test.	ansensment test	
8 (8 24			
	Researched thre	additional	
Day -6	additional information	information about BI	White the second
918124	online	32	,

WEEKLY REPORT to Dt. 9/8/29)

WEEK-6 (From Dt5./8/.29 to Dt
Objective of the Activity Done: Best practice and industry
Detailed Report:
In the final week of internship
Detailed Report: In the final week of internship Classes we focused on best practices in data
analytics and realworld applications of
Power BI, across various industry
we discussed key strategies
ter aptimisting data & models, enhancing
report Performance and maintaining data
gavernance
The Geseponal also included case
studies showcasting how Companies use
Power B. Jer Business inblugence
Series, analysis, financial report
and Operational efficiency the week wrapped
up with an orienview of the apcoming
project works.

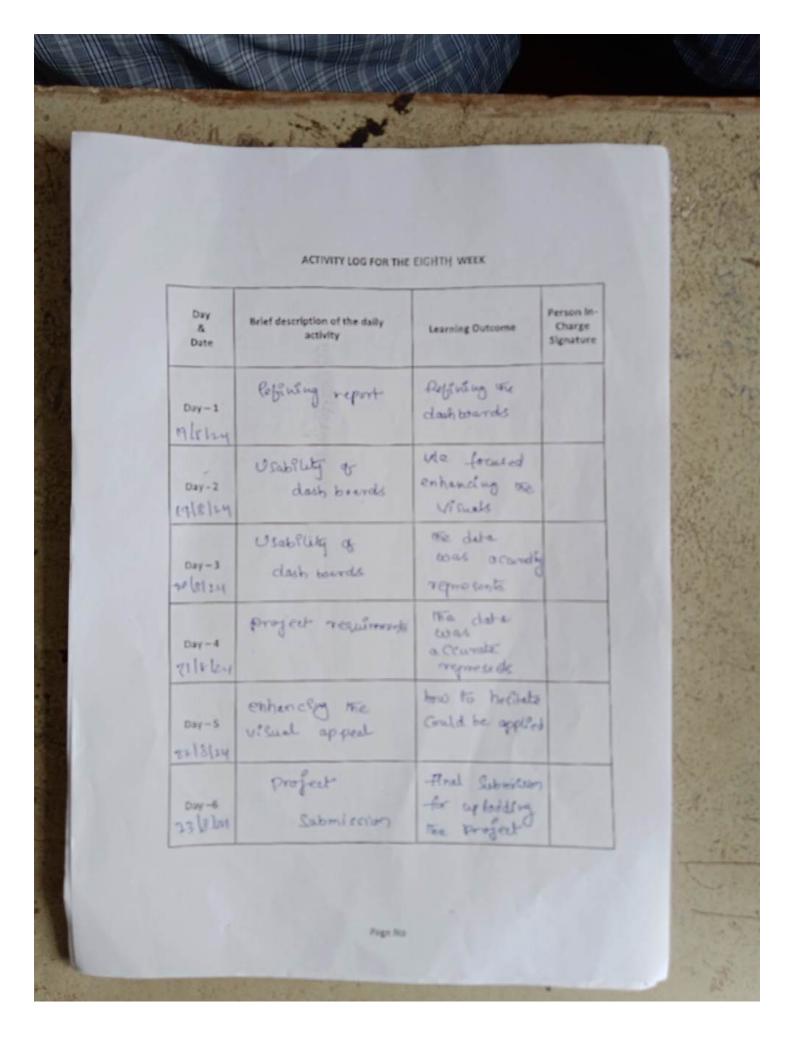
ACTIVITY LOG FOR THE SEVENTH WEEK

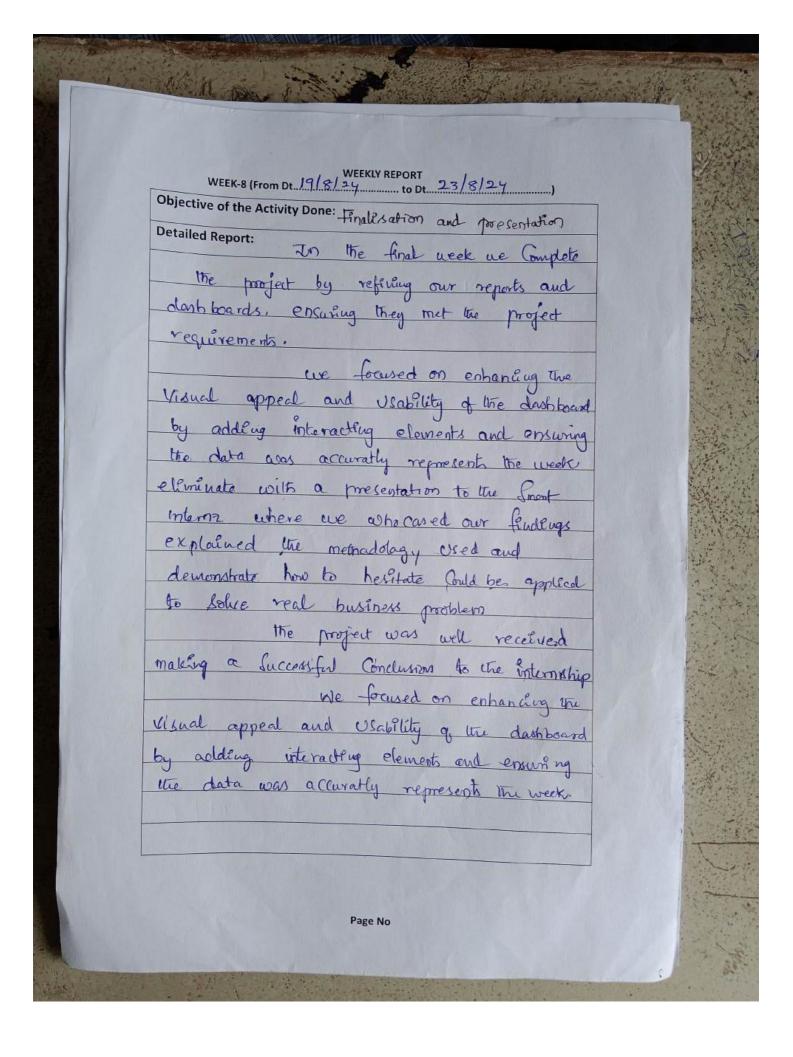
Day & Date	activity Learning Outcome		Person In- Charge Signature	
Day-1	Data analytics Visualisation analysis	He started defining the mofeet scope		
Day-2 13/8/24	Data avalysis and Ursualisation	Started the Beginning of profect		
Day-3	analysiug a data set	data set provides Smarf interna		
Day-4 14/8/24	analysing a data set	data dashbaanks are Created		
Day-5 15/8/24	Analysing a deta set	Visualise The skills and techniques		
Day-6 16 (8/24)	Building a data model.	techniques learned over part six weeks		

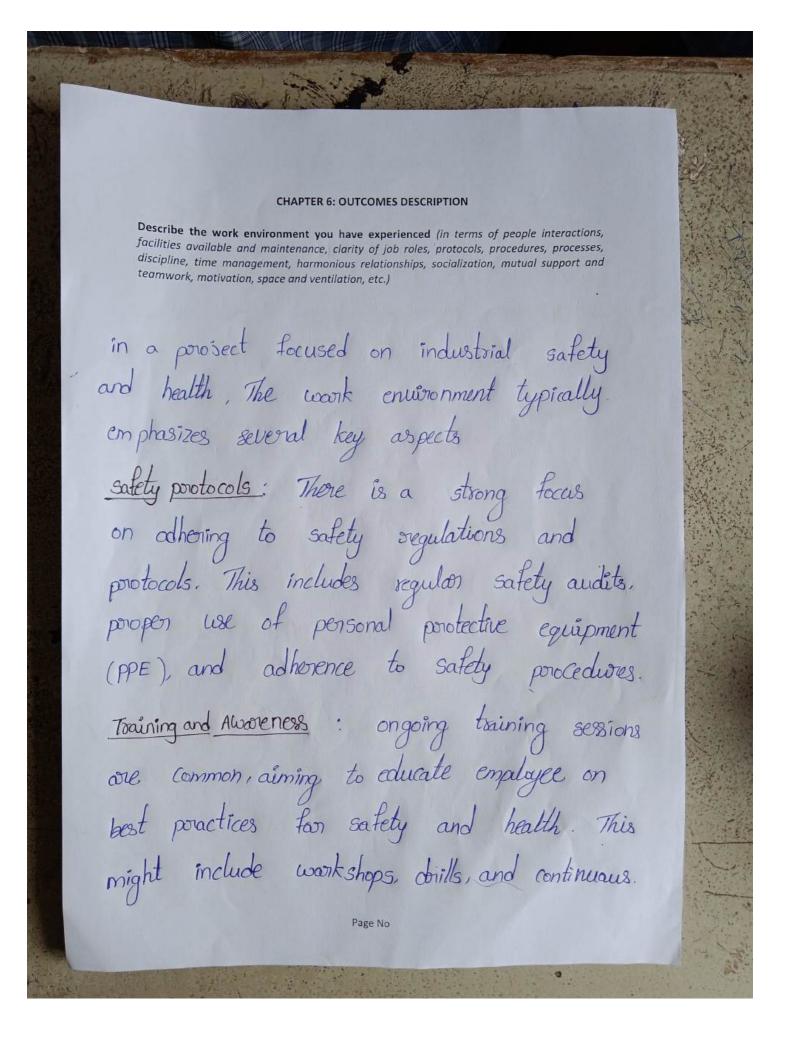
WEEK-7 (From Dt1218129 to Dt10151)
Objective of the Activity Done: Project Work -data analysis & Detailed Report:
Detailed Report:
the Sevents week parked the
begining of the project phase.
we started by defining the
project Pape, Objectives and deliverable.
The project involved analysing a
data Cat
data Set provided by smart intening cleaning
and transferming the data and building a data
and transforming the data and building a data
model.
Our town focused on inclentifying
Key amatrics 1 trends and pattern that Could
de la de de como
drive business decision
the instial neposts and
dash boards where created to visualize the
Cost water to civilante the
skills and techniques learned Over the past
Stal weeks.
the project involved analysing a
data cet perviding by front it
data set providing by smart interna chanting
and transforming the data and building a data model.
I de la company
auta model.

honzords, and provide real-time. data to enhance safety. wearable sensons: Track worker movements expascore to hazardans conditions, and provide alterts to prevent insuries. online learning plat forms: offers flexible training options with interactive content, quizzes, and assessments That can be. accessed from any where, at any time. mobile learning: Allows employees to access Safety training materials and updates wia smortphones and tablets, improving accessibility and convenience horzandaus. porouides after to present with interactive content access from any where any time in The measurement of at The options with The persolity of all The whome.

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updates on safety standards. Risk Assessment: Regular risk assessments and horzard analyses one conducted to identify potential risks and implement controls to mitigate Them. collaboration: Team work and communi - cation one councial safety and health projectets often involve collaboration between vorious deportments, including safety officers, engineers, and management, to ensure a compre-- hensive apporoach to risk management. occumentation: meticulaus documentation of safety produces, incidents, and compliance records is maintained to track performance and impordements. Page No

Describe the real time technical skills you have acquired (in terms of the job- related skills and hands on experience) In "industrial safety and Health" porosect real-time technical skills typically involve using mono analyzing data from sensons an. applying real-time risk assessment techniques. Descoribe The real time technical skills you have acquired in The porosect industrial safety and health. in The industrial safety and Health porosect, real time techincal skills typically invalue using monotooning tools for safety compoliance analyzing data from sersons on oreports to identify hazords and applying oreal-time risk assessment techniques skills might also include The implementation of emergency response systems and The use of software.

satety monitoring systems proficiency in using real-time safety monitoring systems, such as Environment Health and safety (EHS) software on indus internet of Things (110T). Sensors, to track encorn--mental conditions and detect hazards. pata Analysis and visualization: skills in analy--zing real time data from vorious sources data, accident reports) and using visualization tools to interpoet trends and identify potential risks. incident management software: Experience with software for logging, tracking, and managing safety incidents, including tools for auto mating notifications and updates. Risk Assessment tools: using real-time risk assessment took to evalute and mitigate potential harzands based on accoment data, such as dynamic risk.

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. Risk management: reveloping The ability to identify, assess, and mitigate risks associated with industrial processess. This includes imple--menting safety porotocols and emergency response plans. compliance and Regulation: understanding and ensuring atherence to relevant safety regul--ations and standards, such as OSHA or local oregulations, and staying updated on changes in legislation. Team leadenship: leading and motivating a team to posionitize safety, ensuring That all members understand and follow safety porcedures and fastering a culture of safety. Page No

communication: Effectively communicating Safety policies and porocerdives to staff, conducting safety training sessions, and address.

-ing safety concerns or incidents poriomptly. Training and revelopment: Designing and develoring safety training programs for employees to raise auxoreness and promote safe incident investigation: Analyzing Accidents and near-misses to identify root cause and implement corrective actions to powent recurrence. pata Analysis: utilizing safety metonices and incident data to track performance, identify trends, and make informed decisions for continuos. im praement. Page No

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.,) clean messaging: use simple jargon-frée language to ensure That safety industions one easily understood of Their back ground. Training and Education: conduct regular training gosions on safety procedures and ensure That The material is engaging and relevant Tailor training to different roles and learning styles. Feed back mechanisms: Implement systems for employees to report safety hazords and suggestions anonymously if needed. Act on This feedback to show That it is valued. Page No

Regular apartes: keep communication channels open for updates on new safety protocols on changes in procedures. Regular updates help maintain awareness and compliance. cultional sensitivity: se aware of cultival different and ensure That safety communications one suspectful and inclusive of all employees. Visual Aids: use diagrams, charts and signage to Supplement verbal instructions. Visual aids can make complex information more accessible. Active listening: pay attention to feedback and concerns from works. This helps in Identifying potential safety issues and undorstanding Theor perspectives.

Describe how could you could enhance your abilities in group discussions, participation in teams, contribution as a team member, leading a team/activity. Active Listening and communication: practice active listening to understand different percepted-- tives and porovide Throughtful responses costiculate your points. Team porticipation: Engage in open communi and ask donifying questions to ensure mutual understanding. The voles and strengths of other team members to complement Their efforts effectively. group Discussions: Adbers disagreements constructively by focusing on Their on The issue rather Than personal conflicts. seeks to find common ground and comp - romise when necessary.

Describe the technological developments you have observed and relevant to the subject area of training (focus on digital technologies relevant to your job role) AR Training: overallys digital information onto The physical world, helping trainees interact with real equipment while receiving guidance and safety instructions. simulation Tools: coneale realistic sennovious for training including emergency response and equipment handling. These tools help train--els experience and manage complex situtions safety. Gramification: Incorposates game-like elements into training programs to engage users and imposore learning outcomes it can make. safety training more interactive and enjoyable smoot Helmets and Glasses: Equipped with sensors to monitar uital sings, detect encommental Page No







Student Self Evaluation of the Short-Term Internship

Student Name:		Registration No:	
Term of Internship:	From:	To:	
Date of Evaluation:			
Organization Name & Ad	dress:		12 (11)
	ance in the following a		

Rating Scale: Letter grade of CGPA calculation to be provided

1	Oral communication	1	2	3	4	5
2	Written communication	1	2	3	4	5
3	Proactiveness	1	2	3	4	5
4	Interaction ability with community	1	2	3	4	Wat I State of
5	Positive Attitude	1	2	3	4	5
6	Self-confidence	1	2	3	4	5
7	Ability to learn		2	3	4	2
8	Work Plan and organization	1	2	3	4	5
9	Professionalism	100	2	3	4	5
10	Creativity	1	2	3	4	5
11	Quality of work done	1	2	3	4	5
12	Time Management	NEWS HELDER	2	3	4	5
13	Understanding the Community	1	2	3	STATE STATE	2
14	Achievement of Desired Outcomes	1	2	3	4	5
15	OVERALL PERFORMANCE		2	3	4	5
					2 (48) St. 310 -	8

Date: Signature of the Student .

MARKS STATEMENT (To be used by the Examiners) ASSESSMENT STATEMENT

Name Of the Student:

Programme of Study:

Year of Study:

Group:

Register No/H.T/No:

Name of the oliege:

University:

SI.No	Evaluation Criterion	Maximum Marks	Marks Awarded
7	Activity Log	10	
	Internship Evaluation	30	
. 184	Oral Presentation	10	
	GRAND TOTAL	50	

Date:

Signature of the Faculty Guide