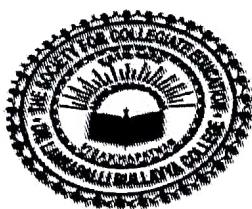




## **LONG-TERMINTERNSHIP**



**Dr. LANKAPALLI BULLAYYA COLLEGE  
VISAKHAPATNAM**

# *PROGRAM BOOK FOR LONG-TERM INTERNSHIP*

**Name of the Student** : *R. Mohan Sujith*

**Name of the College** : *Dr Lankapalli Bullayya College, Visakhapatnam*

**Registration Number** : *121128807078*

**Period of Internship** :

**Name & Address of Intern Organization:**

**Name of the University** : *Andhra University*

**Year** : *2024*

An Internship Report on

Data Analytics

Submitted in accordance with the requirement for the degree of

Bachelor of Business Administration  
Under the Faculty Guideship of

Department of

Management - U.G

Dr Lankapalli Bullayya College: Visakhapatnam

Submitted by

R.Mohan Sugith

Reg. No.

121128807078

Dr. Lankapalli Bullayya College  
Visakhapatnam-13

## Declaration

I R.Mohan Sujith student of B.B.A Program, Reg. No. 121128807078 of the Department of Management Studies (U.G), College do hereby declare that I have completed mandatory Long-Term Internship Under the Faculty Guideship of \_\_\_\_\_ Department of Management studies (U.G) Dr.L.Bullayya College, Visakhapatnam.

R.Mohan Sujith  
Signature of the student

## **Official Certification**

This is to certify that R.JUshan swith

Reg. No. 121128807078 has completed Internship in

Data analytics on videos games & sales trends

Under my supervision as part of a partial fulfillment of the requirement for  
the Degree of Bachelor of business in Department of  
Administration

Dr. Lankapalli Bullayya College, Visakhapatnam.

This is accepted for evaluation.

Signature with Date and seal

### **Endorsements**

Faculty Guide :

Head of the Department :

Principal :

## Project Report Format

### **1. INTRODUCTION**

- a. Overview - A brief description about your project
- b. Purpose - The use of this project. What can be achieved using this.

### **2. LITERATURE SURVEY**

- a. Existing problem - Existing approaches or method to solve this problem
- b. Proposed solution - What is the method or solution suggested by you?

### **3. THEORITICAL ANALYSIS**

- a. Block diagram - Diagrammatic overview of the project.
- b. Hardware / Software designing
  1. Hardware and software requirements of the project

### **4. RESULT**

Final findings (Output) of the project along with screenshots.

### **5. ADVANTAGES & DISADVANTAGES**

List of advantages and disadvantages of the proposed solution

### **6. APPLICATIONS**

The areas where this solution can be applied

### **7. CONCLUSION**

Conclusion summarizing the entire work and findings.

### **8. FUTURE SCOPE**

Enhancements that can be made in the future.

### **9. Weekly Reports (8 Weeks Report)**

### **10. Student Self Evaluation of the Short-Term Internship**

1. Evaluation by the Supervisor of the Intern Organization
2. EVALUATION
3. MARKS STATEMENT

## Acknowledgements

I would sincerely like to thank JPSJET for providing me with this corporate internship which helped me gain practical experience & knowledge on "accounting & "data analytics"

I thank our respected sir Dr. G.S.K. Chakravarthy for giving me wonderful opportunity.

I would also like to thank our head of department Mr. M.K. Mahesh Department of BBA and our guide Mr. Murali Krishna for being a wonderful mentor throughout my project.

I thank almighty God . My parents and my friends without whose help this project would not have been completed.

## Milestone:

## Contents

- 1) Data collection & extraction from database
- 2) Data preparation
- 3) Data visualization
  - 3.1) JVO - of unique visualizations
  - 3.2) JVO - of accidents - Year wise
  - 3.3) Gender count - Employee or third party
  - 3.4) Gender count - accident level
  - 3.5) Top 3 accident problems
  - 3.6) Sectorwise - number of accidents
  - 3.7) Monthwise - number of accidents.
- 4) Dashboard
- 5) Story
- 6) Performance testing
- 7) web integration
- 8) Project demonstration & documentation.

### ACTIVITY LOG FOR THE FIRST WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day -1	Introduction to BI & Tableau	Learned how the course is helpful for students' importance	P
Day -2	Introduction to tableau & installation	Learned how to create tableau & installation	P
Day -3	Data extraction & introduction to SQL	Learned how to extract file & SQL	P
Day -4	SQL basics & operations	Learned how does the SQL works, to do operations	P
Day -5	SQL operation	Learned how to operate SQL	P
Day -6	Architecture of tableau	Learned how to operate architecture of tableau.	E

## WEEKLY REPORT

WEEK - 1 (From Dt..... to Dt.....)

Objective of the Activity Done:
Detailed Report: On the first day of week we learned about overview of Introduction part of BI and BA in data analytics. On second day we learned about overview of the introduction part to tableau & installation of data analytics. On the third day we learned about how to create extract file & SQL in data analytics. On the PostgreSQL, Microsoft SQL Server, MySQL, IBM DB2. On the fourth day we have learned about SQL operations in data analytics (SELECT, UPDATE, INSERT, SUM, AVG, MAX, MIN). On the fifth day we have learned about SQL operation & basics. On the sixth day we have learned about architecture of tableau in data analytics, & used to collect, store, & analyze data.

## ACTIVITY LOG FOR THE SECOND WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	Data visualization	Learned about data visualization	P
Day - 2	Data visualization with tableau	Learned how to do data visualization with tableau	P
Day - 3	Customization of charts	Learned how to customize charts	P
Day - 4	Tableau metadata	Learned how to create tableau metadata	P
Day - 5	Tableau data types	Learned how the types of tableau	P
Day - 6	Advanced data manipulation	Learned how to get advanced data manipulation	P

## WEEKLY REPORT

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

**Objective of the Activity Done:**

**Detailed Report:** On the first day we have learned about overview of the data visualization in data analytics. On the second day we have learned about overview of data visualization with tableau in data analytics the graphical representation of information & data. On the third day we have learned about customization of charts in data analytics to double click a chart virtually. On the fourth day we have learned about tableau metadata in data analytics. On the fifth day we have learned about tableau data types string, values, date & time, numeric values, cluster. On the day six we have learned about advanced data manipulation in data analytics.

### ACTIVITY LOG FOR THE THIRD WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	Learned about Types of Tableau Data	By this we learned about Types of Tableau Data	P
Day - 2	Learned about Advanced Data Manipulation	By this we learned about Data Manipulation	P
Day - 3	Learned about Tableau Bins & Hierarchies	By this we learned about Tableau Bins.	P
Day - 4	Learned about Working with Filters, Organizing Data & Visual Analytics	By this we learned about Visual Data Analytics.	P
Day - 5	Learned about Tableau Public	By this we learned about Tableau Public.	P
Day - 6	Totally Learned about Tableau	By this we learned fully about Tableau.	P

## WEEKLY REPORT

WEEK - 3 (From Dt..... to Dt.....)

**Objective of the Activity Done:**

**Detailed Report:**

Day:-1 we have Explained about Types of Tableau Data and we have learned about By Doing it.

Day:-2 They have Explained about Advanced Data Manipulation & we learned about advanced Techniques.

Day:-3 They have Learned Explained about Tableau Bins & Hierarchies in Zoho Books.

Day:- 4 They have Explained about How to work with filters, Organizing Data & visual Analytics.

Day:- 5 They have Explained about Briefly about Tableau Public.

Day:- 6 They have Explained about how to work on Tableau Public & Tableau data.

## ACTIVITY LOG FOR THE FORTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	Learned about loading Data & Calculations Fields.	By this we have learned about Data calculations fields.	<input checked="" type="checkbox"/>
Day - 2	Learned about Quick Table Calculations	By this we have learned about Quick Table calculations.	<input checked="" type="checkbox"/>
Day - 3	Learned about Quick Table sheet	By this we have learned about Quick Table sheet.	<input checked="" type="checkbox"/>
Day - 4	Learned about LOD Expression	By this we have learned about LOD Expression.	<input checked="" type="checkbox"/>
Day - 5	Learned about location Visualization.	By this we have learned about location visualization.	<input checked="" type="checkbox"/>
Day - 6	Totally learned about Data & location visualization	By this we have learned about Data & location visualization	<input checked="" type="checkbox"/>

## WEEKLY REPORT

WEEK - 4 (From Dt..... to Dt.....)

**Objective of the Activity Done:**

**Detailed Report:**

Day:- 1 They have Explained about loading Data & calculations Fields on Zoho books.

Day:- 2 They have learned about Quick Table calculations in Zoho books.

Day:- 3 They have Explained about How to Create Quick Tableau sheet on Zoho books.

Day:- 4 They have Explained about LOD Expressions on Zoho books.

Day:- 5 They have Explained about location visualization. Briefed about it.

Day:- 6 They have Explained about Data & location visualization and Briefed about this Topics.

## ACTIVITY LOG FOR THE FIFTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day -1	Parameter in tableau	By this we have learned about parameter in tableau	✓
Day -2	Briefly explained about parameter in tableau	By this we learned parameter in tableau	✓
Day -3	Creating dashboard using tableau	By this we learned about creating dashboard using tableau	✓
Day -4	Briefly explained about creating dashboard using tableau	By this we have learned creating dashboard using tableau	✓
Day -5	Final dashboard	By this we have learned how to do final dashboard	✓
Day -6	Introduction to flask	By this we have learned for introduction to flask.	✓

## WEEKLY REPORT

WEEK - 4S(From Dt..... to Dt.....)

<b>Objective of the Activity Done:</b>
<b>Detailed Report:</b> Day-1 they have explained about parameter in tableau and we learned about it by doing it. On Day-2 they have explained briefly about parameter in tableau and we have learned about parameter in tableau. On Day-3 we know they have explained about creating dashboard using tableau we have learned about creating dashboard in it. On Day-4 they explain briefly about creating dashboard using tableau we have learned briefly creating dashboard. On Day-5 we have learned about final dashboard and to create dashboard on it. On the day-6 they explained introduction to flask and we have learned about introduction to flask.

### ACTIVITY LOG FOR THE SIXTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	Hands on practise flask	By this we learned about hands on practise flask.	P ✓
Day - 2	Tableau public	By this we learned about tableau of public.	P ✓
Day - 3	Businesses need support for decision	By this we learned about Businesses need support for decision	P ✓
Day - 4	Knowledge session on github	We have learned about knowledge session on github	P ✓
Day - 5	Data analytics & use-cases	We have learned about data analytics use-cases	P ✓
Day - 6	Hands on practise data analytics use-cases	We learned about hands on practise data analytics use-cases.	P ✓

## WEEKLY REPORT

WEEK - 6 (From Dt..... to Dt.....)

**Objective of the Activity Done:**

**Detailed Report:**

Day-1 - The topic explained about hands on practise flask and we learned about it. on the Day-2 -The topic is explained tableau public and we have learned about tableau public. Day-3 on that day they have explained about business need support for decision and we have briefly learned about it. Day-4 on this knowledge session on github they have explained and they we have learned about it. on Day-5 we have learned explained about data analytics & use-cases and we have learned about to move forward. On the Day-6 they have explained about hand on practise data analytics use-cases. we have learned about how to do hands on practise data analytics use-cases

## ACTIVITY LOG FOR THE SEVENTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	Mentoring sessions	Introduction of BI & BA	P
Day - 2	Mentoring sessions	SQL basics & operations	X
Day - 3	Mentoring sessions	Data visualization with tableau	X
Day - 4	Mentoring sessions	Customization of charts	P
Day - 5	Mentoring sessions	Advanced data manipulation	P
Day - 6	Mentoring sessions	Working with filters, organization	X

## WEEKLY REPORT

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

Objective of the Activity Done:

Detailed Report: Day -1 the monitoring session we have learned about introduction of J3F & J3A on it and Day -2 the monitoring session have explained and we have learned about SQL basis & operations on it and it was based on it. Day -3 the monitoring session we have explained about data visualization with tables and we have learned about it on day -4 the monitoring session they have explained customisations of charts and we have learned about it on Day -5 the monitoring have explained about advanced data manipulation and we have learned about it on Day -6 the monitoring and explain working with filters, organization we have learned about it.

## ACTIVITY LOG FOR THE EIGHTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	Mentoring sessions	Loading data and calculated fields	P✓
Day - 2	Mentoring sessions	Quick table sheet	P✓
Day - 3	Mentoring sessions	Parameters in tableau	P✓
Day - 4	Mentoring sessions	Creating dashboard with tableau	P✓
Day - 5	Mentoring sessions	Hands on practice task	P✓
Day - 6	Mentoring sessions	Business need support for decision.	P✓

## WEEKLY REPORT

WEEK - 8 (From Dt..... to Dt .....)

Objective of the Activity Done:

Detailed Report: On the Day -1 the mentor has explained about loading data and calculated fields with an brief explanation on the Day -2 the mentor has explained about quick table sheet how to handle in it. On the Days the mentor has explained about parameters in tableau and we have learned about it briefly. On the Day -4 the mentor has explained about creating dashboard with tableau we have learned about it briefly in it. On the Day -5 the mentor has explained about hands on job practise task we have practised on it. On Days with the mentor have explained business need support for decision. we have learned about it.

### ACTIVITY LOG FOR THE NINETH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	Detailed explanation of the remaining projects	Learn about the Project	R ✓
Day - 2	we were given by the database of projects	our dataset was not received	R ✓
Day - 3	clarified doubts about the not receiving the datasets	doubts were clarified	R ✓
Day - 4	detailed explanation about creating a tableau students	tableau installed	R ✓
Day - 5	Detailed explanation of Projects	doubts were clarified	R ✓
Day - 6	Holiday.	holiday.	R ✓

## WEEKLY REPORT

WEEK - 9 (From Dt ..... to Dt .....

**Objective of the Activity Done:**

**Detailed Report:**

Detailed explanation of the remaining projects of long term internships. The data sets of projects were given to some who have their projects assigned.

We clarified our doubts about not assigning the project and datasets

Detailed explanations about installing the tableau student or tableau public for those who have not installed yet

Explained about how to sign in the tableau public and how to use the tools for creating visualization.

### ACTIVITY LOG FOR THE TENTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	we were assigned by a project	Learn about the Project	
Day - 2	Live sessions on clarifying of doubts	Doubts were clarified	
Day - 3	they issued the remaining data sets of projects	The data set was received	
Day - 4	The live sessions were held.	studied about the data set	
Day - 5	The live sessions were held	Doubts were clarified.	
Day - 6	Holiday		

## WEEKLY REPORT

WEEK - 10 (From Dt ..... to Dt ..... )

**Objective of the Activity Done:**

**Detailed Report:**

The project was assigned and we took the ~~keras~~ video games analysis project from all the other project of long term internship.

The data set was given to us and we started analysing about data sets

And the project was assigned in assigned project we checked our smart interview protocol and the project was assigned we accessed the resources.

The project format was given in the assigned project . The project format showing downloading the datasets . studying about datasets and making unique visualizations to created .

## ACTIVITY LOG FOR THE ELEVENTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	The live sessions were held and explained about visualizations	Learn about the visualization & created	
Day - 2	The live sessions were held.	We created the unique visualization as per project	
Day - 3	The live sessions were held	clarified our doubts about some visualizations	
Day - 4	The live sessions were held	Learn about the dashboard	
Day - 5	The live sessions were held and doubts were clarified	Created the required dashboard using visualizations	
Day - 6	Holiday	-	

## WEEKLY REPORT

WEEK - 11 (From Dt ..... to Dt .....

**Objective of the Activity Done:**

**Detailed Report:**

The live sessions were held and explained about visualization .created the unique way of visualization as per the project that was assigned in smart intensive. The doubts were clarified about some of remaining visualization.

After creating all the visualization that are unique like barchart ,Piechart ,Box and scatter plot ,rectangular bars etc.

By combining visualization we have created the dashboards required.

we have created a three dashboard assigning three visualilition to each of dashboard . The dashboard was created.

## ACTIVITY LOG FOR THE TWELFTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	Live hand sessions were held	We created story by showing the visualisation site by side	
Day - 2	The live sessions were held and the doubts were clarified	We created the tableau cloud	
Day - 3	The live sessions were held and the doubts were clarified	Signed in into the tableau cloud & started web integration	
Day - 4	The live sessions were held	We did our web integration by using visual studio code	
Day - 5	The live sessions were held	We completed the web integration.	
Day - 6	Holiday	-	

## WEEKLY REPORT

WEEK - 12 (From Dt ..... to Dt ..... )

Objective of the Activity Done:

Detailed Report:

We created story we assigning the unique visualizations side by side. By clicking on name of visualization we can see the visualization.

By clicking on the share button we can proceed to next process of web integration and created tableau cloud and created flask. And by clicking on the link we got we completed our web integration. It has some about dashboard, story, team and contact details. We should change code as per our project.

We did our demo link or demo video by using snipping tool which records the screen and audio.

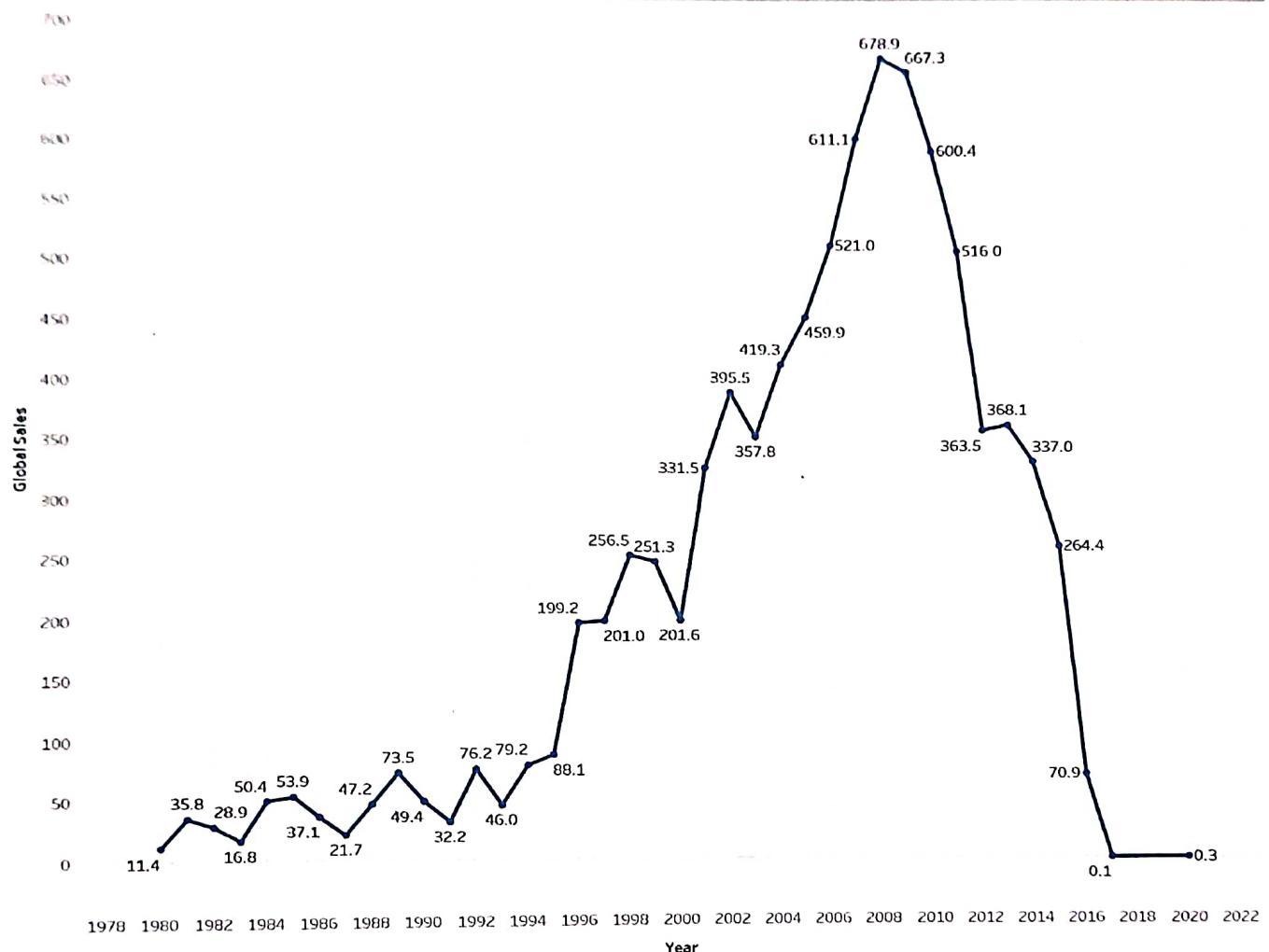
We created a repository on name of our project and submitted our project.

## video games sales story

SALES BASED ON PLATFORM: THIS TREE MAP ANALYSIS IS BASED ON THE GAMES SOLD GLOBALLY BY THE PUBLISHER OVER THE YEAR HERE NINTENDO IS

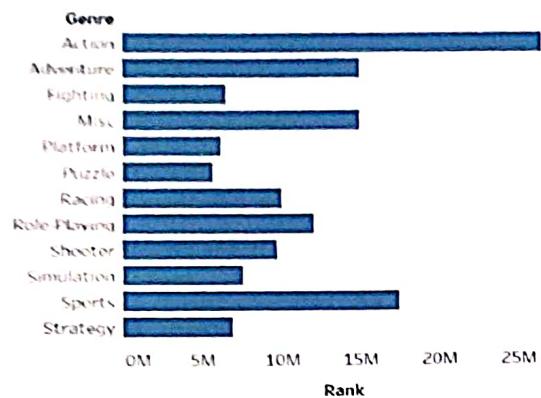
SALES PER GENRE: THIS BUBBLES CLEARLY SHOWS US THE SALES COUNT IN EACH GENRE OF GAMES ACTION BEING THE TOP PERFORMER FOLLOWED BY S

TOTAL SALES: THIS LINE GRAPH HERE REPRESENT THE OVER ALL SALES OF VIDEO GAMES OVER THE YEARS AND THE YEAR 2008 SEEMS TO BE THE PEAK

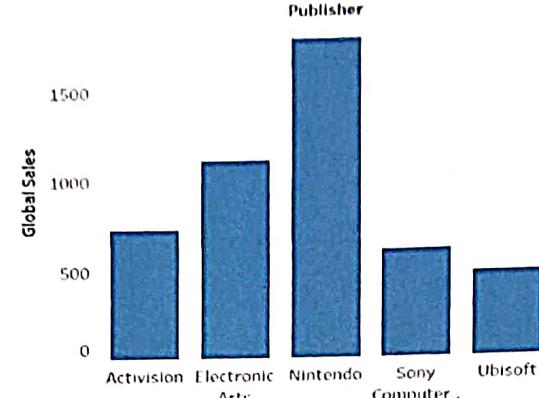


## video game sales dashboard

### Genre With Rank Analysis



### Top 5 Publishers Analysis

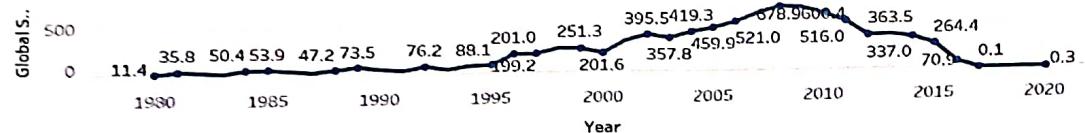


### Top 10 Japan Selling Video Games Analysis



- Name**
- Animal Crossing: Wild Wor..
  - Dragon Quest VII: Warlor..
  - New Super Mario Bros.
  - Pokemon Black/Pokemon ..
  - Pokemon Diamond/Pokem..
  - Pokemon Gold/Pokemon Sl..
  - Pokemon Red/Pokemon Bl..
  - Pokemon Ruby/Pokemon S..
  - Super Mario Bros.
  - Tetris

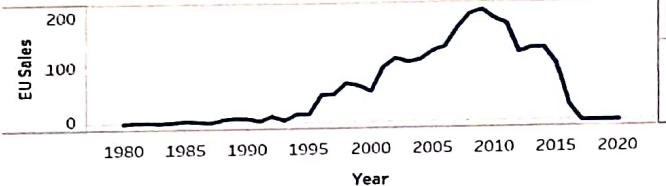
### Total Sales Analysis



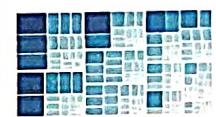
### Top 10 NA Selling Video Games



### Sales In Different Region



### Sheet 6

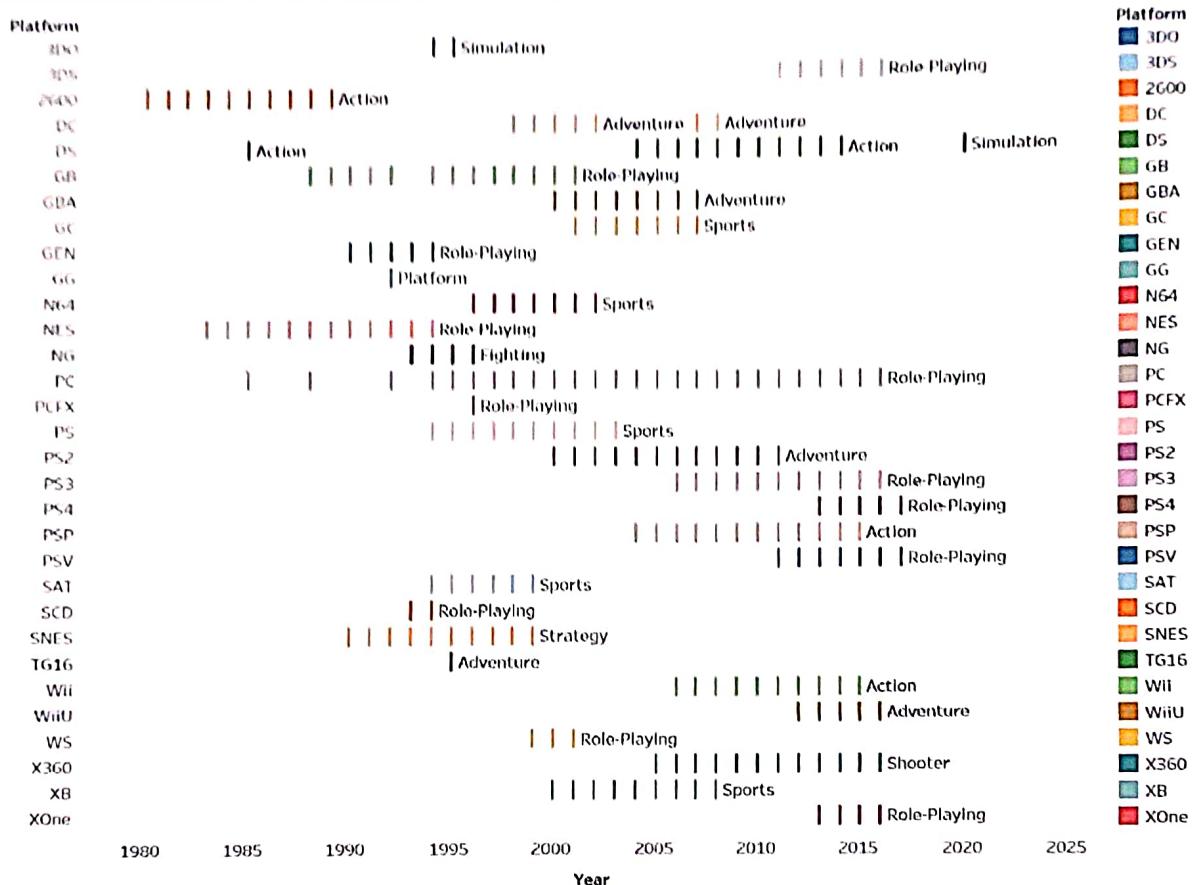


## video games sales story

PUBLIC VS PLATFORM: THIS CHAT SHOWS ABOUT THE DETAILS OF GAMES PUBLISHED ON EVERY PLATFORM SINCE 1980. THE HIGHEST GAMES ARE BEING PUBLICLY SOLD.

SALES BASED ON PLATFORM: THIS TREE MAP ANALYSIS IS BASED ON THE GAMES SOLD GLOBALLY BY THE PUBLISHER OVER THE YEAR. HERE NINTENDO IS

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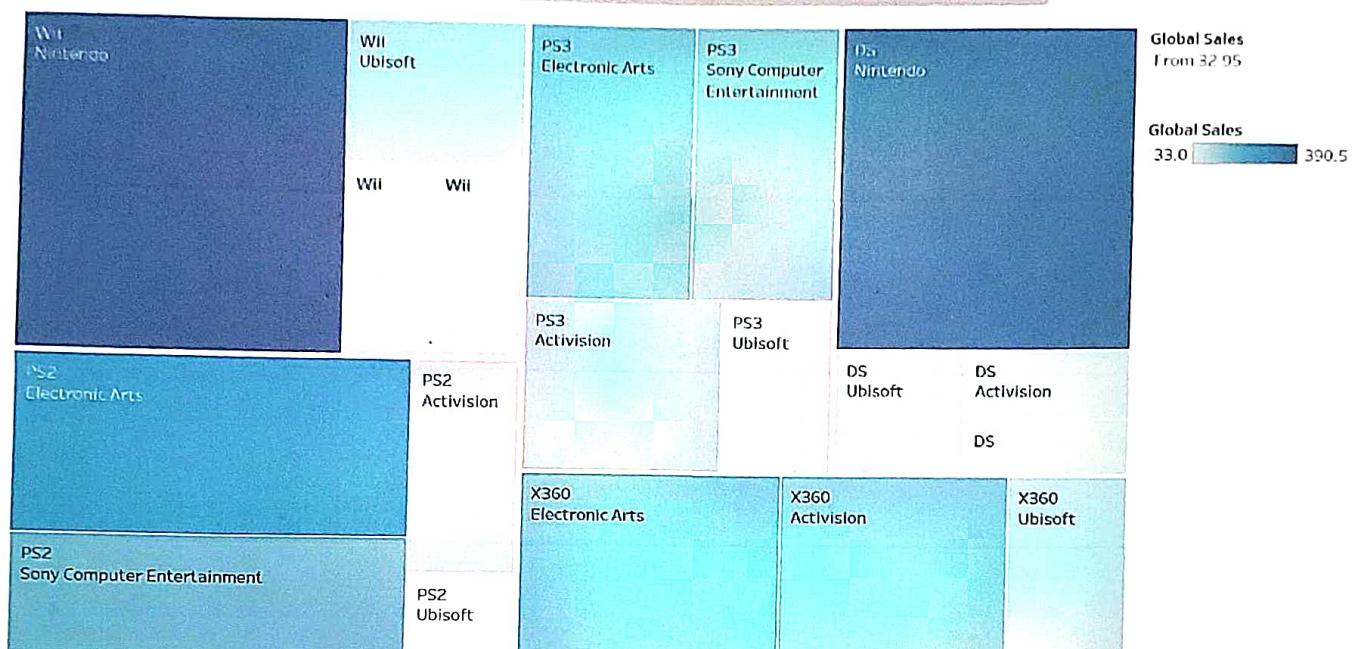


## video games sales story

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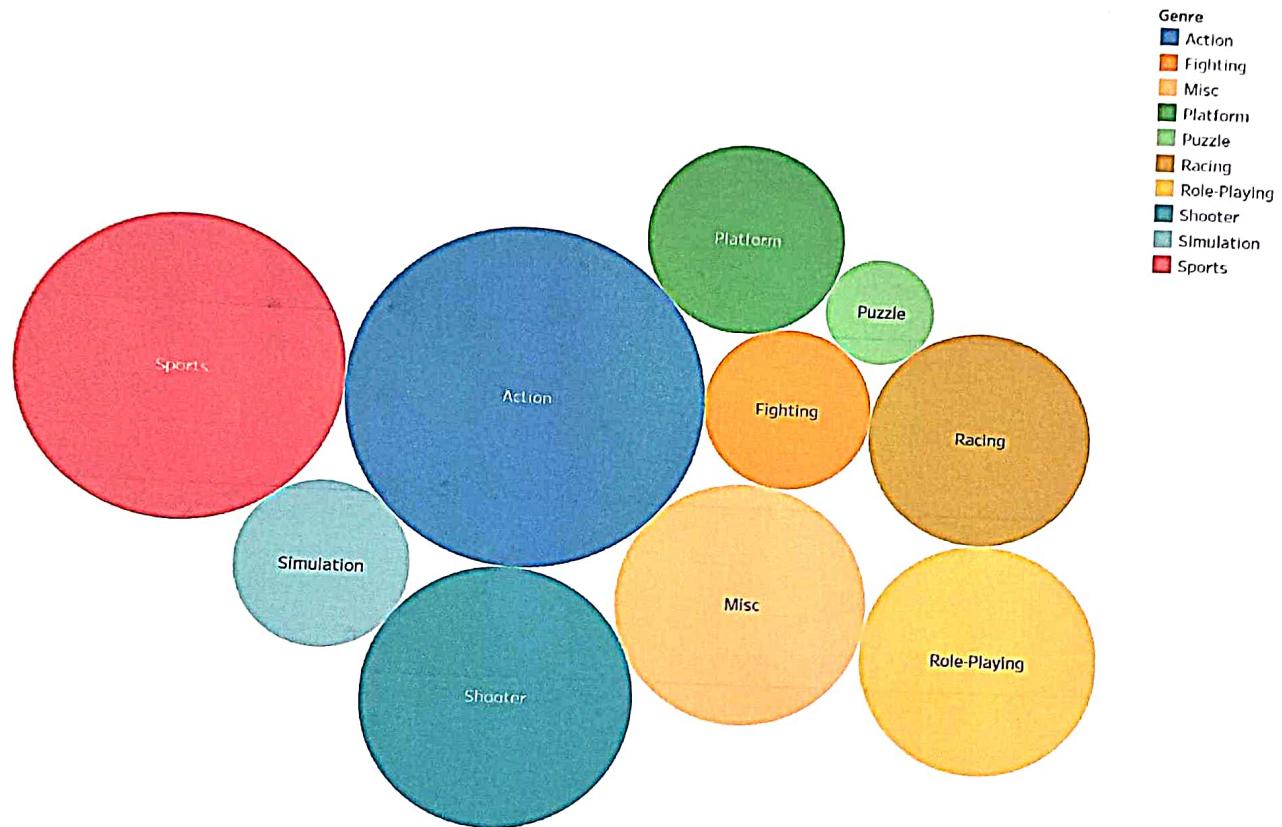


## video games sales story

SALES BASED ON PLATFORM. THIS TREE MAP ANALYSIS IS BASED ON THE GAMES SOLD GLOBALLY BY THE PUBLISHER OVER THE YEAR HERE NINTENDO IS

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TOTAL SALES: THIS LINE GRAPH HERE REPRESENTS THE OVER ALL SALES OF VIDEO GAMES OVER THE YEARS AND THE YEAR 2008 SEEMS TO BE THE PEAK



***Student Self Evaluation of the Long-Term Internship***

Student Name: *R-Mohan Sujith*

Registration No: 1212880 7079

Term of Internship: From:

To :

Date of Evaluation:

Organization Name & Address:

Please rate your performance in the following areas:

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	5
5	Positive Attitude	1	2	3	4	5
6	Self-confidence	1	2	3	4	5
7	Ability to learn	1	2	3	4	5
8	Work Plan and organization	1	2	3	4	5
9	Professionalism	1	2	3	4	5
10	Creativity	1	2	3	4	5
11	Quality of work done	1	2	3	4	5
12	Time Management	1	2	3	4	5
13	Understanding the Community	1	2	3	4	5
14	Achievement of Desired Outcomes	1	2	3	4	5
15	OVERALL PERFORMANCE	1	2	3	4	5

*Evaluation by the Supervisor of the Intern Organization*

Student Name: *R.Moham sujith*

Registration No: *12112880  
7078*

Term of Internship:

Date of Evaluation:

Organization Name & Address:

Please rate the student's performance in the following areas:

Please note that your evaluation shall be done independent of the Student's self-evaluation

Rating Scale: 1 is lowest and 5 is highest rank

	1	2	3	4	5
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	5
5 Positive Attitude	1	2	3	4	5
6 Self-confidence	1	2	3	4	5
7 Ability to learn	1	2	3	4	5
8 Work Plan and organization	1	2	3	4	5
9 Professionalism	1	2	3	4	5
10 Creativity	1	2	3	4	5
11 Quality of work done	1	2	3	4	5
12 Time Management	1	2	3	4	5
13 Understanding the Community	1	2	3	4	5
14 Achievement of Desired Outcomes	1	2	3	4	5
15 OVERALL PERFORMANCE	1	2	3	4	5

### ASSESSMENT STATEMENT

Name Of the Student: R.Moham sujith  
Programme of Study: Bachelor of bussines administration  
Year of Study: 3<sup>rd</sup> year  
Group: BJBA  
Register No/H.T. No: 12112880 7078

Name of the College: Dr. Lankapalli Bullayya College

University: Andhra University

Sl.No	Evaluation Criterion	Maximum Marks	Marks Awarded
1.	Activity Log	10	
2.	Internship Evaluation	30	
3.	Oral Presentation	10	
	<b>GRAND TOTAL</b>	<b>50</b>	

Date:

Signature of the Faculty Guide:

Signature of the Head of the Department:

Signature of the Principal with Seal