

Business Process Support Guidelines – 2023 A

- Overview of the Scenario – explain everything that you are going to perform for the company incorporate activity 1 & 2. Also mention your role in the company and explain what you are going to achieve through activity 1 and activity 2.

Activity – 1

- Introduction
- Information and Data Role in Business – explain what is data and information, how they are generated in an organization. Also explain their differences
 - Data Role in Business – explain how data are generated in modern digital era, and also explain how data's are important for Pixel Device Solution. Write in context of Pixel Device Solution.
 - Identifying Current Trend
 - Pattern identification
 - Trend Analysis
 - Forecasting and more
 - Competitive Advantages
 - Add few more into this.
 - Information Role in Business – few lines of what is information
 - Making strategies
 - Decision Making
 - Streamlining marketing and Operations
 - Add more into this
- Data Generation – few lines on data generation and what are the methods of generating data's for Pixel Device Solution.
 - Sources of Data – explain sources of data generation for Pixel Device Solution. Briefly pinpoint few methods of collecting data's for Pixel Device Solution.
 - Customer Feedback/communication
 - Transition Details
 - Surveys
 - Maintenance Logs
 - Dummy Data Generation Tools – explain few
 - Data Preparation/Cleaning
 - Tools used for the manipulation of data

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- Power BI
- Excel/Python/Tableau
- SQL and more if you can add.
- Implication of Using Data – explain in each terms how social, legal and ethical aspects should be considered and affected.
 - Social Effects.
 - Legal Effects -
 - Ethical Effects -
- Data Security – define data security and explain security measure required in data of Pixel Device Solution. Explain all types of threats to data
 - Data Breaches
 - Physical Damage's and Risk.
 - Unauthorized access of Data
 - Malwares
 - Cybersecurity risk / Hackers/ Social Engineering in Social medias
 - Unauthorized and Pirated Software's usages
 - Outdated Operating system
- Mitigation Measures- explain few lines how we can mitigate these kind of data security threats.
 - Personal Level – what can employees or individuals do to be safe from losing the organizational data
 - Organization Level – what can organization do to mitigate these kind of security threats in data – be specific and write in points.
- *Transformation of Data into information*
 - *Generating Insights that help Business*
 - *Evaluate Data and Information – how it can help their individual clients? And how it can help an organization to meet the organizational goals?*
 - *Individual Prospective*
 - *Organizational Prospective – helps in planning/operations/productivity/add more if you can.*
- *Real World Business Process Support*
- *Impact Case Study: - explain in context to the case, how Business Process Management and Business Information system help to better perform i.e. the impact study.*
 - *Explain the measurable advantages to the case study performed.*
- Conclusion

Activity – 2

- Introduction – part 2 , what are you going to do in this activity, according to scenario.(We are going to build data science solution for Pixel Device Solution and so on)
- Data Science
 - Tools and Techniques used for Data Science (use pictures and put captions for all the tools available and write in a paragraph)
 - Advantages/Benefits of using Data Science for solving Real World Problems.
- Data Science Solution
 - Case Study (any example case for mobile Sales company)
 - Objective
 - Architecture
 - Main Components of Analysis – (inventory, marketing, sales, feedback, maintenance logs)
 - Data Collection – (data sets required for analysis also show all tables with few rows in the table, example: sales data, inventory, purchase timeline, marketing data , feedbacks, maintenance data, inquiry data which so ever required for your analysis.)
 - Tools Used (start with the tools that you have selected explaining why you selected based on the data sources you have, show all the graphs and figures of your analysis with proper caption. Write in a paragraph)
 - Conclusion of the analysis – (explain the insights and suggestion that can be drawn and overall performance of the analysis that you are performing)
- Implementation of the Designed solution.
- *Recommendation for Pixel Device Solution.*
- *Evaluation*
 - *Stockholders*
 - *Requirements*
 - *Stockholders*
 - *Company*
 - *Users*

Write in paragraph does the business/users and stockholders requirements align with the data science solution/technique
- Conclusion