# **Data Science Intern at Data Glacier**

**Project: Customer Segmentation**

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**Specialization: Data Science**

**Project Plan**

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| **Weeks** | **Date** | **Plan** |
| Week 7 | 12/09/2022 | Group Creation, Problem Statement, Understanding the Project, Project Plan |
| Week 8 | 20/09/2022 | Data Collection, Understanding the Data, Finding out any challenges with the data |
| Week 9 | 27/09/2022 | EDA |
| Week 10 | 04/10/2022 | Feature Engineering |
| Week 11 | 11/10/2022 | Model Building |
| Week 12 | 18/10/2022 | Model Evaluation |
| Week 13 | 30/10/2022 | Final Presentation |

**Problem Statement**

XYZ bank wants to roll out Christmas offers to their customers. But Bank does not want to roll out same offer to all customers instead they want to roll out personalized offer to particular set of customers. If they manually start understanding the category of customer, then this will be not efficient and also they will not be able to uncover the hidden pattern in the data (pattern which group certain kind of customer in one category). Bank approached ABC analytics company to solve their problem. Bank also shared information with ABC analytics that they don't want **more than 5 group** as this will be inefficient for their campaign.