**OUTLINE FOR INTERNS (PROJECT BASED) FOR 3 MONTHS**

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| Month | Week | Task/Engagement | Expected Outcome |
| 1 | 1 | Introductions and Onboarding | * Be in the spirit of Data Analytics, Get familiar with the necessary tools, terms and languages through online webinars and presentations on key concepts and best practices. * Review interns Rules and Regulations |
|  | 2 | Crash course on Excel (Beginner to Advanced) | * Understand basics concepts of excel like using various excel data processing tools, basic calculations, excel functions, conditions, etc. * Grasp excel advanced concepts like excel tables, Pivot tables, Power Query Editor, Plotting Pivot Charts, Advanced Excel Functions. |
|  | 3 – 4 | Excel Project (Case Study Project) | * Deliverables(Milestone 1): A dashboard solution for the given case study using Excel |
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| 2 | 1 | Crash Course on SQL (Basic and Advanced Concepts) | * Get Familiar with SQL on multiple databases like Azure, MsSQL, MySQL and PostgreSQL * Query Database, understand relationships, and perform data aggregation. * Basic and Advanced SQL Functions. |
|  | 2 | Power BI and Tableau Crash Course | * Get familiar with Tableau and Power Bi environment (Power Query and Dax). * Connecting to Azure, MySQL, MsSQL Database from Tableau and Power BI |
|  | 3 – 4 | Power BI Project (Case Study Project) | * Deliverable (Milestone 2): Case Study Dashboard solution using Power BI. |
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| 3 | 1 | Python for Data Analytics | * Understand advanced Analytics using python * Python crash course, get familiar with python environment, syntaxes and best practices |
|  | 2 | Python for Data Analytics Contd. | * Get familiar with basic python libraries for data analysis (pandas, numpy, matplotlib and seaborn). * Connect SQL Database to python environment. |
|  | 3 - 4 | Python Data Analytics Project (Case Study) | * Full report on case study analytics as a markdown file. * Final Presentation |