

Program Delivery Schedule - May'22



PGP - Data Science & Business Analytics

Orientation Session

7-May-2022

| Structured Modules | | | | | | | |
|------------------------------------|---|--|--------------------------------------|----------------------------------|---------------------------|--------|--------|
| M # | Module | Course | Content Release Date | Assessment Deadline | Mentored Learning Session | | |
| 0 | Peworkk | Programming Basics and Intro to Python | Available on enrollment | -- | 14-May | | |
| 1 | Python - Foundations | Introduction to Python | Available on enrollment | 22-May | 21-May | | |
| | | Python for Data Science | 12-May | 29-May | 28-May | | |
| | | Data Visualisation with Python | 19-May | 5-Jun | 4-Jun | | |
| | | EDA | 26-May | 12-Jun | 11-Jun | | |
| | | Support Session | -- | -- | 18-Jun | | |
| | | Project 1 | 2-Jun | 24-Jun | 25-Jun | | |
| | | 2 | Business Statistics | Break | Independence Day Break | | |
| Inferential Statistics Foundations | 23-Jun | | | 10-Jul | 9-Jul | | |
| Estimation and Hypothesis Testing | 7-Jul | | | 17-Jul | 16-Jul | | |
| Common Statistical Tests | 14-Jul | | | 24-Jul | 23-Jul | | |
| Break | Break | | | | | | |
| Project 2 | 14-Jul | | | 5-Aug | 6-Aug | | |
| 3 | Supervised Learning - Foundations | | | Linear Regression | 4-Aug | 14-Aug | 13-Aug |
| | | Linear Regression Assumptions | 11-Aug | 21-Aug | 20-Aug | | |
| | | Data preparation for modeling | 18-Aug | 28-Aug | 27-Aug | | |
| | | Break | Labor Day Break | | | | |
| | | Project 3 | 18-Aug | 9-Sep | 10-Sep | | |
| | | 4 | Supervised Learning - Classification | Logistic Regression | 8-Sep | 18-Sep | 17-Sep |
| Hackathon* | 16-Sep | | | 20-Sep | NA | | |
| Decision Trees | 15-Sep | | | 25-Sep | 24-Sep | | |
| Project 4 | 15-Sep | | | 30-Sep | 1-Oct | | |
| 5 | Ensemble Techniques | | | Ensemble Methods - Random Forest | 29-Sep | 9-Oct | 8-Oct |
| | | | | Boosting - GBM, XGBM, Adaboost | 6-Oct | 16-Oct | 15-Oct |
| | | Break | Diwali Break | | | | |
| | | Project 5 | 6-Oct | 28-Oct | 29-Oct | | |
| 6 | Model Tuning | Feature Engineering & Handling Imbalanced Data | 27-Oct | 6-Nov | 5-Nov | | |
| | | Regularization & Hyperparameter Tuning | 3-Nov | 13-Nov | 12-Nov | | |
| | | Project 6 | 3-Nov | 18-Nov | 19-Nov | | |
| 7 | Unsupervised Learning | Break | Thanksgiving Break | | | | |
| | | K means Clustering | 17-Nov | 4-Dec | 3-Dec | | |
| | | Hackathon* | 2-Dec | 6-Dec | NA | | |
| | | Hierarchical Clustering | 1-Dec | 11-Dec | 10-Dec | | |
| | | Project 7 | 1-Dec | 16-Dec | 17-Dec | | |
| Self Paced Modules | | | | | | | |
| 8 | Data Visualization with Tableau | Released post Unsupervised Learning | NA | NA | | | |
| 9 | Time Series Forecasting | Released post Unsupervised Learning | NA | NA | | | |
| 10 | Marketing & Retail Analytics | Released post Unsupervised Learning | NA | NA | | | |
| 11 | Finance & Risk Analytics | Released post Unsupervised Learning | NA | NA | | | |
| 12 | Web & Social Media Analytics | Released post Unsupervised Learning | NA | NA | | | |
| 13 | Supply Chain & Logistics Analytics | Released post Unsupervised Learning | NA | NA | | | |
| NOTES >> | | | | | | | |
| 1 | This schedule might change in future as and when the design of the program is improved upon. | | | | | | |
| 2 | The assessment deadlines here mean end of the day. Exact deadline time will vary for different timezones, but it will always be beyond end of the day for the dates mentioned here. | | | | | | |
| 3 | Capstone schedule will be shared with those who opt for it, post 6th Module. | | | | | | |
| 4 | Assessment here could mean either a quiz or a project. | | | | | | |
| 5* | Hackathons are optional, non graded and fun learning competitions. | | | | | | |