greatlearning
Learning for Life

Overview of PGP-Data Science & Business Analytics Program PGPDSBA

Agenda

Structure of the Program

Grade Policy and Certification

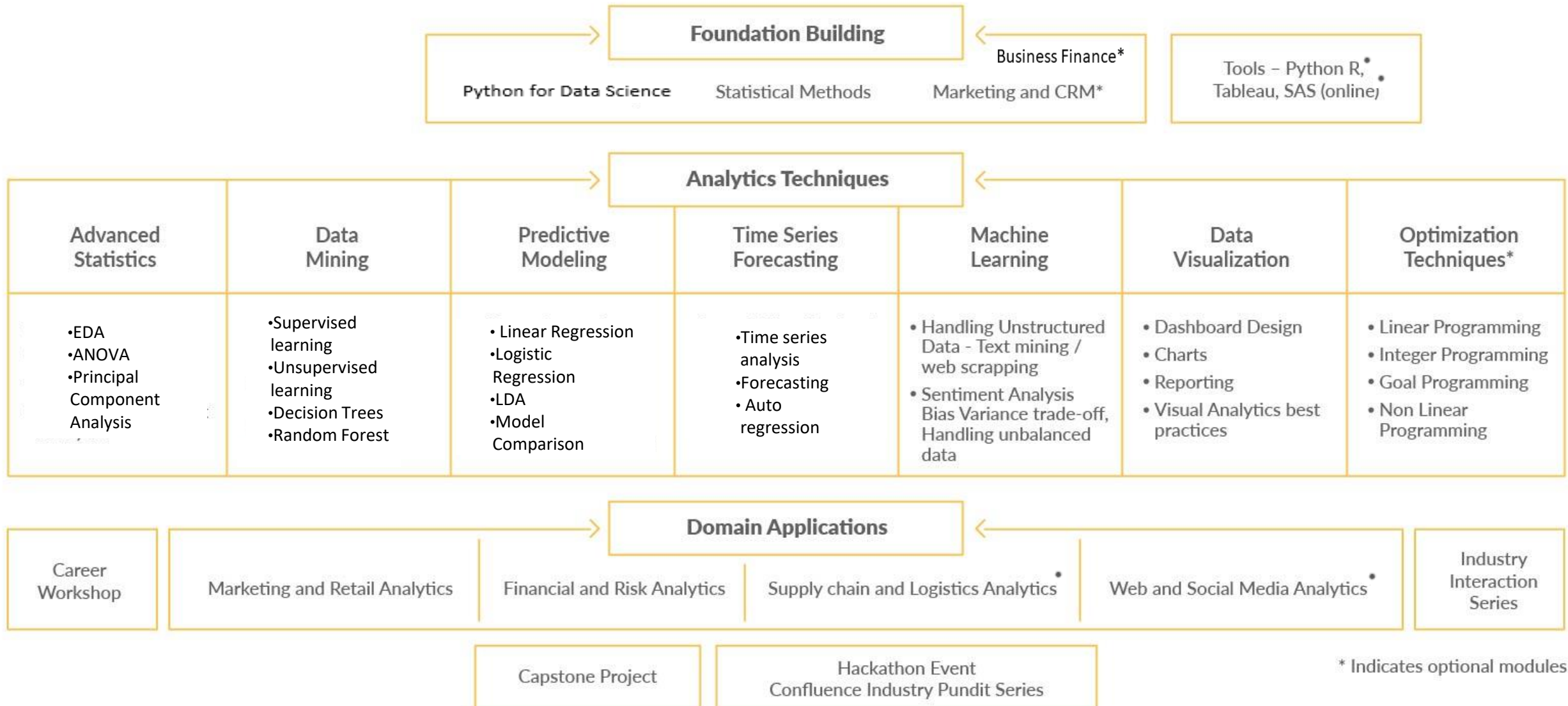Mentored Learning Sessions

Hackathon

Capstone Project

Program Structure / Curriculum

Program Structure

Foundation Building

Python for Data Science Statistical Methods Business Finance*

Marketing and CRM*

Tools – Python R, Tableau, SAS (online)

Analytics Techniques

Advanced Statistics	Data Mining	Predictive Modeling	Time Series Forecasting	Machine Learning	Data Visualization	Optimization Techniques*
•EDA •ANOVA •Principal Component Analysis	•Supervised learning •Unsupervised learning •Decision Trees •Random Forest	• Linear Regression •Logistic Regression •LDA •Model Comparison	•Time series analysis •Forecasting • Auto regression	• Handling Unstructured Data - Text mining / web scrapping • Sentiment Analysis Bias Variance trade-off, Handling unbalanced data	• Dashboard Design • Charts • Reporting • Visual Analytics best practices	• Linear Programming • Integer Programming • Goal Programming • Non Linear Programming

Domain Applications

Career Workshop	Marketing and Retail Analytics	Financial and Risk Analytics	Supply chain and Logistics Analytics	Web and Social Media Analytics	Industry Interaction Series

Capstone Project Hackathon Event Confluence Industry Pundit Series

* Indicates optional modules

3

Delivery Schedule

S.No.	Courses	Duration	Videos Duration	Industry Sessions / Live Virtual Classrooms	No. of Mentoring Session	Self Study	Total
1	Python for Data Science	4 week	8 hours	-	2* 2 = 4 hours	4 hours	18 hours
2	Statistical Methods for Decision Makinhg	5 weeks	8 hours	1*2 = 2 hours	3* 2 = 6 hours	11 hours	25 hours
3	Advanced Statistics	5 weeks	8 hours	-	3* 2 = 6 hours	11 hours	25 hours
4	Data Mining	5 weeks	8 hours	-	3* 2 = 6 hours	11hours	25 hours
5	Predictive Modeling	5 weeks	8 hours	-	3* 2 = 6 hours	11 hours	25 hours
6	Time Series	5 weeks	8 hours	-	3* 2 = 6 hours	11 hours	25 hours
7	Machine Learning	4 weeks	8 hours	-	3* 2 = 6 hours	11 hours	25 hours
8	Visualization Techniques	3 weeks	8 hours	1*2 = 2 hours	2* 2 = 4 hours	13 hours	25 hours
9	SQL	3 weeks	8 hours	-	2* 2 = 4 hours	13 hours	25 hours
10	Marketing & Retail Analytics	3 weeks	8 hours	-	2* 2 = 4 hours	13 hours	25 hours
11	Financial and risk analytics	3 weeks	8 hours	-	2* 2 = 4 hours	13 hours	25 hours

Weekly operating Procedure

Month	Courses	Videos Duration	Fri	Sat	Sun	Mon	Tus	Wen	Thu	Fri	Sat	Sun	Mon	Tus	Wen	Thu	Fri	Sat	Sun	Mon	Tus	Wen	Thu	Fri	Sat	Sun
October 2019	Statistical Methods	1								▲																
		2																▲								
		3																			▲					
		P																								

Month	Courses
(blue)	Video content - learn
(green)	Mentoring Session
▲	Deadline for quiz
(purple)	Project week

Mentored Learning Sessions

Delivery of Mentored Learning Sessions

Mentoring Sessions:

- Group Size of 10 to 15 students
- 2 hours of Online Sessions over the weekend either on Saturday or Sunday
- Walk through the dataset example given in the video
- Working on Python with another dataset example

Live Virtual classes:

- Conducted for the Program Batch on Sunday
- Industry Sessions, Doubt clearing and End to End case studies
- Domain Application, DVT and SQL.

Capstone Mentoring Sessions:

- Group Size of 10 to 15 students

Pre -requisites of Mentored Learning sessions

- Python, Jupyter Notebook up and running

- Mandatory to watch the videos

- Practice the datasets/practice questions shared for that week

- Use the personalised link shared to join the session

Activities

All time information shown below are in IST format. To change, please click here

| UPCOMING | ONGOING | COMPLETED |

Online Mentorship
LVC1- Python for Datascience section 1
Starts At: May 10, 10:00 AM (2.5h)   Join Session

Quiz
Python for Data Science   Time remaining: **2w 15h**
From: May 08, 8:00 AM   Due: May 24, 11:59 PM

Grade Policy

Assessments

- **First 3 weeks of each module will have an assessment**

- **Last week of each module will involve a project**

  You will work on 11 projects in total across domains, however 9 are compulsory

  This will serve as a body of work you can show

  Capstone Project

- **Types of assessments**

  Multiple choice questions

  Questions / problem statements and numerical to solve

Grade Policy

- The evaluation of academic performance in each course is based on the following components.

- Points for each component, out of 100, are also mentioned below.
    1. Weekly assessments - 10 x 3 = 30
    2. Project - 60
    3. Attendance Mentoring Sessions - 10

- Completion Status
    - IC - Incomplete (Score less than 60)
    - C - Complete (Score between 60 to 79)
    - E - Excellent (Score 80 & Above)

- Successful completion of capstone is mandatory. Minimum of 9 out of 11 modules is mandatory to be eligible for certificate with 60% marks

– **Plagiarism: At Great Learning, we take this with utmost seriousness and disapprove such behavior. We follow a zero tolerance policy towards this. If any such incidence is found, we will award zero marks. If it happens more than once then strict disciplinary actions will be initiated. Kindly refrain from such activities**.

Capstone Projects

- Integrated project experience tying it all together

- Demonstrates ability to solve a real world business problem

- Completed in the last 3 months of the program

- Mentored by experts and evaluated by industry and faculty

- Adds to body of work

- Choose domain and select project from the list (datasets and project brief will be provided by Great Learning)

Hackathon

- Real time problem solving competition

- Apply Machine Learning techniques to solve problem at hand

- Compete with your batch members

- Real time leader-board to rank model submissions

- Unlimited submissions allowed

- Prizes and certification of appreciation for winners

Program Feedback

Feedbacks are very important to us as an organization and also for you as the end-users. Our teams work around the clock to make your experiences best and journey fruitful. We will ask 4 feedbacks from you in your whole journey with us:

Live virtual class feedbacks- This will be asked on your LMS after every live session you have. This will give us a good idea of how your sessions are proceeding and teaching is done

Quarterly program feedback- This feedback will be taken after you complete your first 2 months of the program

Mid program feedback - This feedback will be taken after you complete your half of the program.

End program feedback- This feedback will be triggered at the end of your program.

Please make sure you take out 5 minutes of your time to provide these feedbacks with proper comments. Our program manager will be following up with you after gathering your feedback to correct the issues.

Key Do's and Don'ts

Do's:

✓ Be serious about the Program and take responsibility and ownership for your success or failure at the Institute.

✓ Actively participate in peer discussions and concentrate in sessions to broaden your horizons and make the most of the program.

✓ Maintain consistency throughout the program in terms of the studies and assessments. Learners are expected to take up all assignments, tests, and examinations of this Institute seriously and try to perform the best.

✓ Do take time to review your current studying strengths and weaknesses. By understanding yourself better, you'll be able to maximize your strengths while overcoming your weaknesses.

✓ Do finish the readings that are assigned for each session so you can be better prepared for understanding and questioning the lectures and participating in discussions.

✓ Do develop a good note-taking system both for reading assignments and for session lectures.

✓ Do read announcements/circulars displayed on the Website/Olympus - LMS.

✓ Use only courteous and polite language and behave with decorum with the faculty, staff, and students.

Key Do's and Don'ts

Don'ts:

o   Don't get in the habit of skipping sessions. Attending sessions is a critical component of learning the material and session notes are often a key part of understanding.

o   Don't panic if your grades are not where you hoped or expect them to be, but do develop a plan of action to improve your grades.

o   Don't use unfair means to clear the assessments. This will hamper your learning process and will result in strict disciplinary actions.

o   Don't talk or act in any manner in a way that would bring disrepute to the Institute

@ Contact us for support

- **Program Related Queries :**

  Use Centralised Support system -- Click on **"Support"** from your dashboard menu bar, locate **"raise request"** in the centre of the screen. Select the **"area of concern"** from the drop down menu, add subject, mention the concern in the **"Description"** section and click on **"Raise request"**

- **Fee/ Loan Related Queries:**

  Email Address: admissions_support@greatlearning.in

  Phone Number: +91-9560967999

Thanks.
Happy Learning:)