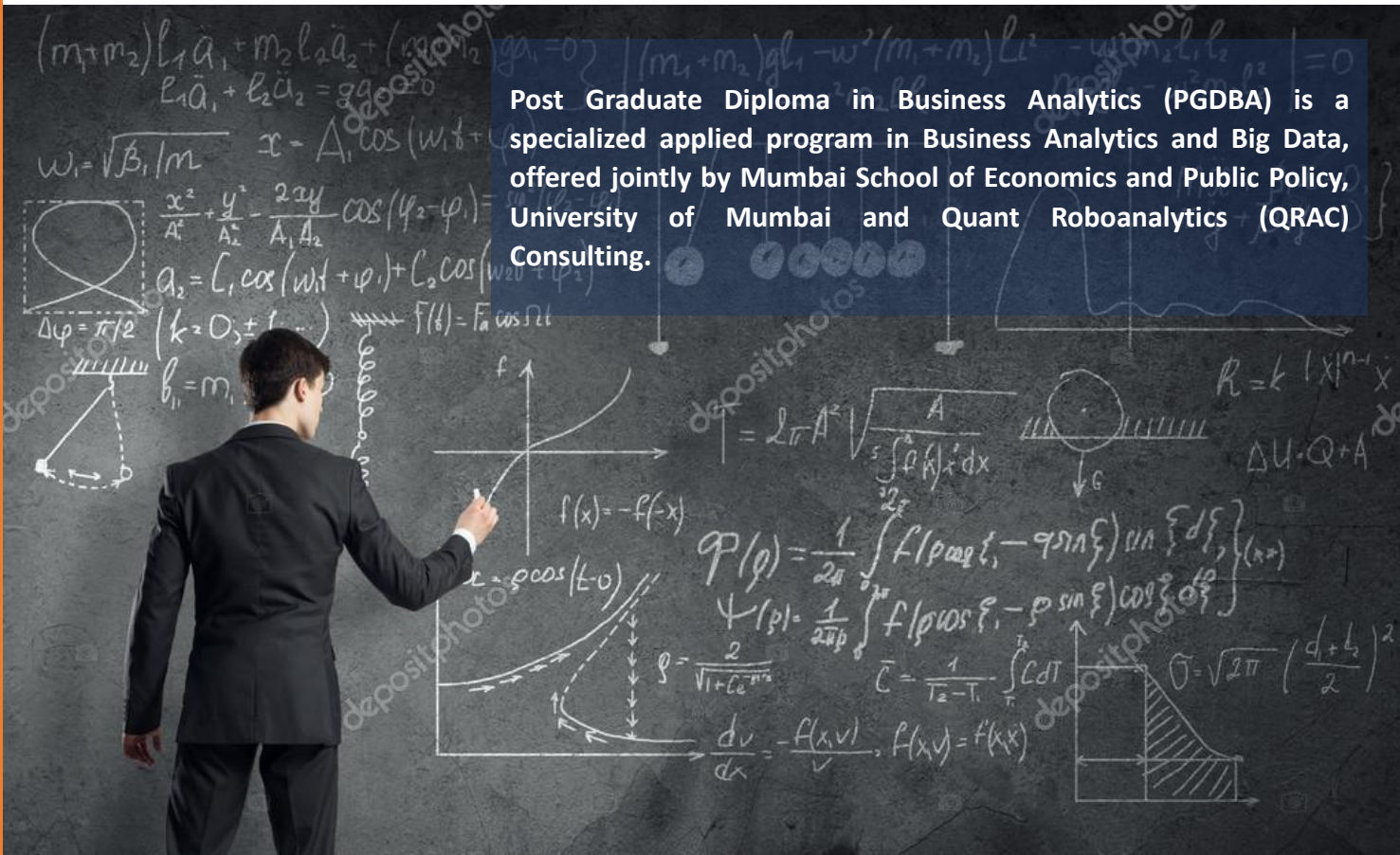


MUMBAI SCHOOL OF ECONOMICS AND PUBLIC POLICY (MSE-PP)  
UNIVERSITY OF MUMBAI

(IN ASSOCIATION WITH QUANT ROBOANALYTICS (QRAC) CONSULTING )



Post Graduate Diploma in Business Analytics (PGDBA) is a specialized applied program in Business Analytics and Big Data, offered jointly by Mumbai School of Economics and Public Policy, University of Mumbai and Quant Roboanalytics (QRAC) Consulting.

POST GRADUATE DIPLOMA IN BUSINESS ANALYTICS (PGDBA)

Mumbai School of Economics and Public Policy (MSE - PP) is the oldest Economics school, housed within the oldest university of India, University of Mumbai.

MSE – PP, now an autonomous school, provides cutting-edge teaching, research and consulting in the areas of Applied Economics, Quantitative Finance, Data Science and Business Analytics.



Quant Roboanalytics (QRAC) Consulting envisions a catalytic role in promoting long & short term education, training, analytics, consulting to corporate and government, and research.

QRAC establishes close interface with corporate partners through continuous knowledge creation and dissemination and serving as a role model for other institutions in and outside India to enhance the quality of interaction in the field of quant & analytics

# PROGRAM CURRICULUM

## TRIMESTER 1

<b>BA101</b>	Introduction to Python & R for Big Data
<b>BA102</b>	Statistics for Analytics
<b>BA103</b>	Mathematical Methods for Data Science
<b>BA104</b>	Basics of Financial Analytics

## TRIMESTER 3

<b>BA301</b>	Data Mining and Machine Learning II
<b>BA302</b>	Advance Financial Analytics
<b>BA303</b>	Big Data: Cases & Projects

## TRIMESTER 2

<b>BA201</b>	Data Mining and Machine Learning I
<b>BA202</b>	Econometrics & Time Series Modeling
<b>BA203</b>	Hadoop & Applications
<b>BA204</b>	Principals of Marketing Science

## TRIMESTER 4 (ANY 2 ELECTIVES)

<b>BA401</b>	Marketing & Retail Analytics
<b>BA402</b>	Media & Movie Analytics
<b>BA403</b>	Pharmaceutical & Healthcare Analytics
<b>BA404</b>	Big Data for Public Policy

# PROGRAM ADVANTAGES

## GLOBAL CERTIFICATIONS

Google Analytics

Moody's Analytics

Bloomberg Markets Certification

## CORPORATE CONNECT

Speakers Series

Industry Interface

Networking Events & Placement Assistance

## PEDAGOGY

Applied Assignments

Workshops/Lab Sessions

Case Studies

## FACULTY

Industry Professional

Leading Academic Pedigree

International Exposure

## INTERSHIPS/LIVE PROJECTS

Integrated Internship

Live Projects with Corporates

Capstone Project

## INFRASTRUCTURE

Financial Analytics and Research Lab

Bloomberg/Reuters Terminal Access

Library

# MESSAGE FROM PROGRAM CHAIR

In recent times, Businesses across the globe have become extremely data driven. Right from the inception of a business i.e. conceptualization of a business idea to its actual execution entrepreneurs, intrapreneurs and business professionals rely on their single most valuable asset for concrete decision making i.e. data.

With data being in so much abundance, the need for right information becomes critical for meaningful decision making ensuring long term viability of business. The PGD – Business Analytics program helps you develop the necessary skills to extract most valuable data trends from a heap of Big Data generated. This applied program has been specially designed to build core technical and analytical skills in the participants by disseminating relevant, industry-oriented and applied information. Our underlying objective is to not only educate but also nurture our participants into becoming successful professionals in the field of Business Analytics. The applied program provides opportunities to participate in live/applied projects across the domain of Business Analytics.

I anticipate to provide the best-in-class training and extended support to all our participants while welcoming you on board for an exciting year-long journey through this applied program.

Cordially,  
**Dr.Akhlaque Ahmad** (Ph. D., M. Phil., M.Sc., PGDFE)  
Fellow – Ministry of Science and Technology, Govt. of India  
Program Chair and Director – QRAC Consulting

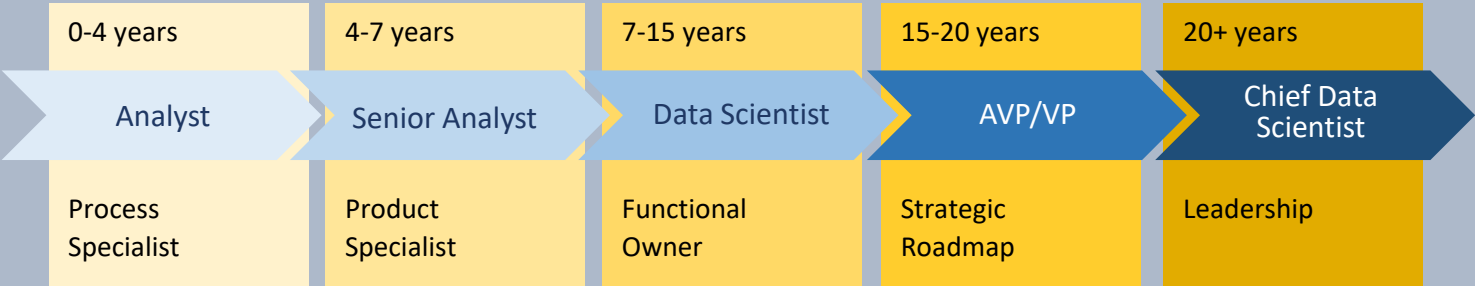
A recent survey undertaken by Bloomberg revealed that Business Analytics has been effective for decision-making in three out of four enterprises making it one of the most demanded skill set, especially in times of the protruding jungle of Big Data.

The applied PGD – Business Analytics program prepares you to develop the required skill sets in Business Analytics through its meticulously designed curriculum offered in collaboration with University of Mumbai. Furthermore, the rigorous training and domain expertise delivered by our industry expert faculties strengthened by hands-on experience is sure to help you imbibe the much needed technical knowledge and practical know-how of concepts like Data Mining, Predictive Modelling, Data Visualisation techniques, Statistical Data Analysis techniques etc. In a nutshell, the program would help you explore and master the complexities of Business Analytics.

We firmly believe that this applied program would help you build a solid foundation for a successful career in Business Analytics as we look forward to deliver the program to global quality standards and hope that you make the most of it.

Cordially,  
**Prof. Harjeet Singh** (MS – Stanford University, CFA, FRM, CAIA, CMT)  
Consultant – Department of Economic Affairs, Ministry of Finance (Govt. of India)  
Managing Director – EduEdgePro Pvt. Ltd., Director – QRAC Consulting

# CAREER TRAJECTORY



# CAREER ROLES & RECRUITING FIRMS

## CAREERS

- |                                       |  |                                       |
|---------------------------------------|--|---------------------------------------|
| <i>Data Analytics</i>                 | <i>Business Systems Analyst</i>                  | <i>Fraud Analyst</i>                  |
| <i>Insight Development Consultant</i> | <i>Global Markets Roles</i>                      | <i>Clinical Analyst</i>               |
| <i>Consulting</i>                     | <i>Derivatives Modeling &amp; Strategist</i>     | <i>Algorithm Design</i>               |
| <i>Business Strategy</i>              | <i>Retail Sales Analyst</i>                      | <i>Data Design</i>                    |
| <i>Quant Finance Analysts</i>         | <i>Credit Analysis, Modeling &amp; Analytics</i> | <i>Modelling Expert</i>               |
| <i>Financial Data Scientists</i>      | <i>Risk Management &amp; Analytics</i>           | <i>Big Data Technologies</i>          |
| <i>Financial Engineers</i>            | <i>Equities, FI &amp; FX – Globagists</i>        | <i>Machine Learning and Analytics</i> |
| <i>Consulting Analytics</i>           | <i>Fund Analysts and Strategists</i>             | <i>Senior Programming</i>             |
| <i>Marketing Analytics Manager</i>    | <i>Pricing Analyst</i>                           | <i>Supply Chain Analyst</i>           |
| <i>Portfolio &amp; Fund Analytics</i> | <i>Financial Analysts</i>                        | <i>HR Analytics</i>                   |
| <i>Systems Analyst</i>                | <i>Business Process Analyst</i>                  | <i>Algorithmic Trading</i>            |
| <i>Web Analytics</i>                  | <i>Analysts at Investment Banks</i>              | <i>Functional Architect</i>           |

## FIRMS THAT HIRE FOR BUSINESS ANALYTICS

- |                                      |                          |                              |                            |
|--------------------------------------|--------------------------|------------------------------|----------------------------|
| <i>Google</i>                        | <i>Amazon Web Series</i> | <i>Forrester Research</i>    | <i>Cognizant Analytics</i> |
| <i>IBM</i>                           | <i>Tata iQ</i>           | <i>Hfs Research</i>          | <i>TCS Analytics</i>       |
| <i>Microsoft</i>                     | <i>Dell</i>              | <i>IDC</i>                   | <i>Genpact Analytics</i>   |
| <i>SAS</i>                           | <i>Sisense</i>           | <i>KPMG</i>                  | <i>HCL Technologies</i>    |
| <i>Absolutdata</i>                   | <i>Crayon Data</i>       | <i>Deloitte</i>              | <i>LatentView</i>          |
| <i>BRIDGEi2i Analytics Solutions</i> | <i>Flytxt</i>            | <i>Frost and Sullivan</i>    | <i>Mu-Sigma</i>            |
| <i>Cartesian Consulting</i>          | <i>Hansa Cequity</i>     | <i>McKinsey Analytics KC</i> | <i>SAP</i>                 |
| <i>Convergatics</i>                  | <i>Oracle</i>            | <i>Wipro Analytics</i>       | <i>Fractal Analytics</i>   |
| <i>Hewlett-Packard</i>               | <i>Gartner</i>           | <i>Accenture</i>             |                            |
| <i>InsightSquared</i>                | <i>Goldman Sachs</i>     | <i>Billio</i>                | <i>And many more...</i>    |

## CONTACT US

### Quant Roboanalytics (QRAC) Consulting

Subsidiary of EduEdgePro Pvt. Ltd.

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