

GOA INSTITUTE OF MANAGEMENT



Data Intelligence Program for Plant Engineers with hands-on training

February 8th, 9th and 10th, 2021



ABOUT

MDPs @ GIM

The MDPs at GIM provides an intense and transformative learning experience designed to fit the requirements of seasoned mid-career executives. The programmes will equip the participants with various critical capabilities to succeed in an ever-changing global business environment.

Our programmes are designed and delivered to meet the needs of the executives who have the drive to lead innovations, be the champions of change and have the passion for solving complex business challenges. Our programmes are led and facilitated by experienced faculties who share with the participants their research- driven insights and their knowledge of current industry best practices



WHY

THIS PROGRAMME

This program will enable the plant engineers to understand their data and how to apply basic statistical tools on the collected data. It will also help them to take key decisions based some proper data analysis.

Through his program, the participants will able to see different types data and methods available for their analysis through proper hands-on experiments done in the training program. Then can run those programs independently in their own environment with no additional cost

PEDAGOGY

A combination of practical case studies, experiential exercises, audio-visuals, lectures and experience sharing will be utilized to engage participating engineers in this program.



PROSPECTIVE PARTICIPANTS

This program will be appropriate for all plant engineers who are in the role of receiving data and owners of data from different machines directly . Also , this is very much useful for plant managers who are having power to make some key decisions using the data analysis support.

LAST DATE FOR NOMINATION

In order to finalize contents and confirmation of speakers, participants need to send their nominations latest by

January 15, 2021.



PROGRAMME COORDINATORS

DR. P Bala Subramnyam

Artificial Intelligence, Machine learning,
Manufacturing Analytics,
Goa Institute of Management Goa, India
Telephone: 91-832-2366874
Email Id: balasubramanyam@gim.ac.in

Dnyanesh Khedekar

Goa Institute of Management Goa, India
Email: dnyanesh@gim.ac.in
Phone (O): +91-832-2366866

Data Intelligence Program for Plant Engineers with hands-on training

Feb 8th to 10th 2021

Programme Agenda

Day 1 : 8th February 2021

Time	Topic	Faculty	Venue
9:00 am - 09:30 am	Introduction and expectations	Dr Bala and All	
9:30 am - 11:00 am	Introduction to Data Science; Relevance of data science in Manufacturing: Best Success stories in India and global	Dr Bala	
11.00 AM to 11.15 AM	Tea Break		
11.15 AM to 1.00 PM	Brief about analytical program languages; Python introduction and basic topics in Python	Mr Dnyanesh	
1.00 PM to 1.45 PM	Lunch Break		
1.45 PM to 3.15 PM	Best Practices of data extraction, Data cleansing methods, Outliers and Missing value treatments	Dr Bala	
3.15 PM to 3.30 PM	Tea Break		
3.30 PM to 4.45 PM	How to do data importing and exploratory analysis (missing values and Outliers) in Python	Mr Dnyanesh	

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Programme Agenda

Day 2: : 9th February 2021

Time	Topic	Faculty	Venue
9:00 am - 11:00 am	Basic statistics and analysis; Correlation and regression, logistics regression building; How to draw meaningful conclusions	Dr Bala	
11.00 AM to 11.15 AM	Tea Break		
11.15 AM to 1.00 PM	How to build correlation and regressions in Python	Mr Dnyanesh	
1.00 PM to 1.45 PM	Lunch Break		
1.45 PM to 3.15 PM	Basic data visualisation tools and Techniques: How to draw inferences from visualisation	Dr Bala	
3.15 PM to 3.30 PM	Tea Break		
3.30 PM to 4.45 PM	Construction of charts and plots in data visualisation	Mr Dnyanesh	

Data Intelligence Program for Plant

Engineers with hands-on training

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Programme Agenda

Day 3: : 10th February 2021

Time	Topic	Faculty	Venue
9:00 am - 11:00 am	Classification models: Random forest and decision tree, K-means clustering	Dr Bala	
11.00 AM to 11.15 AM	Tea Break		
11.15 AM to 1.00 PM	How to construct classification models in Python	Mr Dnyanesh	
1.00 PM to 1.45 PM	Lunch Break		
1.45 PM to 3.15 PM	Modelling using deep learning: Artificial Nuer networks introduction	Dr Bala	
3.15 PM to 3.30 PM	Tea Break		
3.30 PM to 4.45 PM	How to apply ANN in Python	Mr Dnyanesh	

REGISTRATION FORM

MANAGEMENT DEVELOPMENT PROGRAM

Data Intelligence Program for Plant Engineers
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February 8th to 10th 2021

Goa Institute of Management, Goa

Please fill the form and email to balasubramanyam@gim.ac.in

Name: _____

(Kindly note, the above mentioned name will be printed on the certificate)

Male: **Female:** **Date of Birth:** _____

Designation: _____

Department: _____

Company Name: _____

Work Experience (years): _____

Communication Address: _____

Phone / Mobile number: _____

Email ID: _____

To whom do you Directly Report to? _____

How many employees report to you? _____

Expectations from the Programme: _____

Signature:

Date:

COURSE FEE

- Rs 25000 per participant inclusive of 18% GST
- The course fee covers Class room teaching, key notes
- The registration fees are received through NEFT/IMPS.

Following are the bank details:

Bank Account Number: **23611450000016**

Beneficiary Name: Goa Institute of Management

Bank Name: HDFC Bank (Sanquelim Branch)

IFSC Code: **HDFC0002361**

Account Type: Savings Account

