

# FACULTY PROFILES : @GIC@ AI AND ML , MARCH 30<sup>TH</sup> , 2018

## **NAME: Dr Adnaik Sachin Baji Rao**

### **Educational Qualification**

- **Ph.D.** in Statistics (**Apr. 2016**) from Department of Statistics, Savitribai Phule Pune University.
- Master in statistics from Shivaji University, Kolhapur with first class score.
- Bachelor of statistics from Shivaji University, Kolhapur with distinction score.
- H.S.C. from Kolhapur.
- S.S.C from Kolhapur.

### **Experience**

- Worked as a trainer for '**Data Science Using R**' and '**Deep Learning Using R**' courses by **I Analyst**, Pune ([www.ianalyst.solutions](http://www.ianalyst.solutions)). (June, 2017).
- Conducted a '**Corporate Training**' on Data Analytics Using R', for **Right Steps Business Solutions**, Pune ([www.rightstepsconsultancy.com](http://www.rightstepsconsultancy.com)). (June, 2016).
- Worked as a trainer in a '**Data Analytics**' certification program by **Indian Statistical Institute**'s Pune unit. (2015-2016)
- Worked as a trainer in a '**Corporate Training**' on Data Analytics at **Vodafone International**, Pune, conducted by **Indian Statistical Institute**'s Pune unit. (Aug. 2015- May, 2016)
- Worked as a trainer in a '**Corporate Training**' on Data Analytics at **Red-Hat** Magarpatta, Pune, conducted by **Indian Statistical Institute**'s Pune unit. (Jan.-Feb., 2016)
- Conducted a training program on '**Machine Learning and Predictive Modeling using R**' at Infinite Training, Pune. (Oct.-Dec., 2015)
- Market Basket Analysis (**Association Rule, RapidMiner**)
- Modeling Titanic data (**Logistic Regression, Naïve Bayes, RapidMiner, Azure ML Studio**)
- Time Series Modeling of RR interval data (**Time Series Model, R**)
- Predicting Cricket Match Score (**Multiple Linear Regression, Simulation, R, RStudio**)
- Modeling Satisfaction of Customers (**Ordinal Logistic Regression, SPSS**)
- Kaggle's competitions: Participated in competition "BNP Paribas Cardif Claims Management", "Santander Customer Satisfaction" and "State Farm Distracted Driver Detection" (**Naïve Bayes classifier, Logistic Regression, Decision Tree, CART, Random Forest, SVM, Clustering, R**) Strong knowledge of Statistical tools like R-software, MINITAB, SPSS, SAS.
- Strong knowledge of Applied Statistics.
- Strong knowledge Statistical Process Control Tools and Techniques.
- Expertise in Machine Learning, Predictive Modeling, basic and advanced statistical tools techniques using R-software.

## **Name : Dr Subrata Rath**

**QUALIFICATION:** B.Sc. Hons. in Statistics (Calcutta University), M. Stat. (Indian Statistical Institute, 1988), Post M. Stat. Dip. in SQC & OR, 1989, Fellow: Specialist Development Programme (Indian Statistical Institute, 1993).

### **EXPERIENCE:**

#### **Teaching, Training, Consulting in the field of:**

- R&D (DFSS)
  - Quality Management Systems (ISO, QS, TS)
  - Environmental Management Systems (ISO-14000)
  - Business Performance Improvement Initiative (Six Sigma): **Having trained 1500+ Black-belts and Green-belts and coached them to complete more than 2000 Six Sigma projects out of which two projects from Reliance Industries won World No.-1 for Six Sigma Black-belt in 2006 and World No. 2 in 2005 in ASQ platform for Manufacturing category.**
  - Employee Involvement (TQM, Kaizen, TPM, Employee Satisfaction Survey, Scientific Performance Appraisal) Quantitative Skill Enhancement (SPC, SQC, DoE, Taguchi Methods)
-

# **Name : Prof Moushmi Sen Gupta**

## **QUALIFICATION:**

- **Senior Management Program** - Indian Institute of Management - Calcutta (Dec 2011 -Dec 2012).
- **M.Phil(Computer Science)**, Bharathidasan University, Tiruchirappalli, Tamil Nadu (October 2006 – October2007)
- **MCA (Computer Applications)**,Vivekananda School of Post Graduate Studies, Hyderabad (January 1999 – December 2001)
- **PGDIM (Operations Management)**– IGNOU -(January 1998 – December 1998)
- **B.Sc (Computer Science)**,OU, Hyderabad (June 1989 – March 1992)

## **Experience**

### **Teaching, Training, Consulting in the field of:**

- Machine Learning and Artificial Intelligence
- Databases and Datawarehousing (Oracle, Teradata, DB2, Mongo DB, MySQL)
- Programming (Java, Python, R, C, C++, Perl, Ruby on Rails, JavaScripting, SQL/PLSQL)
- ETL Tools (Informatica, Datastage, Talend)
- Reporting and Data Visualization Tools (Tableau, Microsoft BI, Micro-strategy)
- Data Analytics Using Aster with R
- Big Data Analytics using (Hadoop and related applications)
- Content Development tools such as Adobe, Articulate and other publishing tools
- Trained and Mentored more than 1000 students to become successful IT Professionals in the field of Telecommunications, Market Research, Market Analytics, Data Warehousing



Presents

## A ONE-DAY PROGRAM ON ARTIFICIAL INTELLIGENCE & MACHINE LEARNING



It is a unique institution, devoted to the research, teaching & application of not only statistics and allied sciences, but also the natural sciences, social sciences and their interface with the statistics. Founded by Prof. P. C. Mahalanobis, a Physicist turned Statistician; the Institute has been accorded the status of an INSTITUTE OF NATIONAL IMPORTANCE, by an Act of Parliament, 1959.

### Course Content:

Duration	Topic
H1	Introduction to Data Analytic, Machine Learning & Artificial Intelligence
H2	Data Preparations & Artificial Intelligence
H3	Visual Analytics & Exploratory Data Analysis
H4	Modeling & Machine Learning, Data science and Deep Learning using R
H5	Clustering & Market Basket Analysis,
H6	Time Series Analysis, Predictive Analytics – Synergize with AI & ML
	Discussing Real Life cases of Functional Analytics for AI & ML with Demos