



**Sant Sohirobanath Ambiye
Government College of Arts & Commerce & Research Center
Virnoda, Pernem-Goa**

Department of Commerce

Organizes

National Level

One Week Online FDP

“Data Analytics with R”

Date : 22nd – 27th November, 2021

Session Time

Daily at

3.30 pm Onwards

Limited Seats on First come First serve basis

E-Certificate will be given to those who attend all sessions

Objectives of the FDP

1. To facilitate the participants to walk through the basics of R software.
2. To discuss the basic models, tools and techniques related to financial time-series analysis.
3. To use R for hypothesis testing (Parametric testing and Non-parametric testing).

About SSA Govt. College of Arts and Commerce, Research Center in

Government College of Arts and Commerce, Virnoda, Pernem, Goa was established in the academic year 1993-94. The College provides facilities for academic excellence and helps in the development of physical intellectual and moral faculties of the students with a view to making young men and women disciplined citizens of our country. The College is managed by the Govt. of Goa with the primary objective of catering to the students of Pernem on priority basis. It is permanently affiliated to Goa University since 2006-07.

After successfully commencing M.Com with specialization in Accountancy and Business Management, the college with the permission from Directorate of Higher Education, Govt. of Goa took the initiative of starting a research centre in Commerce leading to the award of PhD in Commerce. Research centre is affiliated to Goa University and is headed by Principal Prof. (Dr.) Filip Rodrigues e Melo. Presently 15 research guides in Commerce from College in Goa are attached to the research centre and more than 60 scholars have registered with the centre and are pursuing their PhD from Goa University.

About FDP

Data analysis plays a vital role in research domain. Data analysis provides the ultimate solution or result of the objectives set forth under the research. Indeed, it provides an edge towards discovering the most suitable alternatives towards day-to-day business-related issues. However, handling the data analysis is a very challenging task.

During the last decade, the momentum coming from both academia and industry has lifted the R programming language to become the single most important tool for computational statistics, visualization and data science. This FDP intended to sharpen analytical skills of the participants through R analytical software. This program is structured to cover all the important aspects of statistical and econometrics data analysis starting from the very fundamental approach of data preparation and giving inferences to the major techniques along with the theoretical aspects behind such techniques.

Date	Resource Person	Contents
22/11/2021	Dr. Prashant Sharma	Introduction to R Environment, R Script, Console, Basics of R Programming, Vector, Matrices, Data Frame, Import and export of data files, Descriptive Statistics
23/11/2021	Dr. Prashant Sharma	Data Visualization, Histogram, Box Plot, Bar Chart, Scatter Plots, Heat Maps, Regression analysis and its assumptions.
24/11/2021	Dr. Suraj Velip	Correlation Matrix, Unit root test, Cointegration, Vector Autoregression, Vector error correction model.
25/11/2021	Dr. Suraj Velip	Granger Causality, Variance Decomposition, Impulse Response Function.
26/11/2021	Dr. Dhaval Maheta	Hypothesis testing: Parametric testing (One Sample T test, Independent Sample T test, Dependent Sample T test, ANOVA)
27/11/2021	Dr. Dhaval Maheta	Hypothesis testing: Non - Parametric testing (Chi-Square test, Runs test, Mann Whitney test, Krushal Wallis test)

Registration link

<https://forms.gle/Yhbc26pARjjfhvki8>

ABOUT OUR RESOURCE PERSON



Dr. Prashant Sharma is Associate Professor (Finance) at IIMR University. He has expertise on various computational tools i.e., R, SPSS, E-Views, Python etc. Apart from data analytics, his areas of research and teaching are asset pricing dynamics, corporate finance, capital markets and econometrics. He has published numerous papers in Scopus and ABDC indexed journals and presented research papers to various national and international conference conducted at various reputed institutes i.e., IIM Ahmedabad, IIM Calcutta, IIM Lucknow, etc. He has also been shortlisted to participate in various workshops sponsored by Government of India, AICTE, ISI Calcutta etc. He is recipient of various awards such as Best Faculty Award and Best Research Methodology Award for paper presentation in doctoral conference.



Dr. Suraj Velip is Doctorate in Commerce and an Assistant Professor of MBA, at Goa Business School, Goa University. He is a UGC NET (JRF) fellow. He has authored many research articles published in UGC recognized and Scopus Index Journals including his recent publication in one of the reputed 'Journal of Wealth Management'. His area of interest includes Accounting and Finance, Stock Market, Portfolio Management, Econometrics, Derivatives Market and Currency Derivatives. He holds sound operating knowledge and well equipped with the various analytical Softwares such as R, RATS, Eviews, SPSS Package, GRETL and other Database Software such as Mendeley, Bloomberg, Proquest, Datastream, and Prowess- IQ.



Dr. Dhaval Maheta is Doctorate in Management and currently working as an Assistant Professor, Department of Business and Industrial Management, Veer Narmad South Gujarat University, Surat. He has been the key resource persons for the Research Methodology workshops organized at various levels including NITs. Books published with International Publishers. He has organized various Faculty Development Programme on Data Analysis using SPSS, AMOS, Minitab, Minitab-DOE, Jamovi, Power BI Desktop, Tableau, ADANCO, R Software, R-Rattle, SEM using R, E-views, SEM using Smart PLS, Gretl, Matlab, Design Expert, TORA, Atlas.ti, Orange, IBM Watson Predictive Analytics, RapidMiner, Gephi, STATA, STATCRAFT, Python Using Jupyter IDE, Qualitative data analysis using NVIVO, etc. More than 7000 faculties have been trained for various research software's.

For any Queries Contact

Chief Patron

Prof. (Dr.) Filipe Rodrigues e Melo

Professor and Principal

Convenor

Mr. Virendra Amonkar

HOD (Department of Commerce)

Mob: 9822766326

Email: virendra.amonkar@gmail.com

Coordinator

Ms. Mrunali Jambotkar

Asst. Professor in Commerce

Mob: 7057121380

Email: mrunalijambotkar@gmail.com

Who can attend?

- Academicians
- Research Scholars
- Students

Registration fees

- Academicians & Research Scholars (Rs. 800/-)
- Students (Rs. 500/-)

Organizing Committee

- **Ms. Preetam Parab**
Asst. Professor in Commerce
Mob: 9049547308
Email: preetamparab1905@gmail.com

- **Ms. Manju Mahale**
Asst. Professor in Commerce
Mob: 9765527628
Email: manjumahale12@gmail.com

Bank Account Details

Bank: Central Bank of India
Branch: Leena Niwas, Pernem-Goa
Account Name: Principal GC AC
Account No.: 2143575018
IFSC Code: CBINO280722
MICR Code: 403016008