SRI GURU NANAK DEV KHALSA COLLEGE
(University of Delhi)
NAAC Accredited 'A' Grade

Department of Commerce & Department of Economics
organise

Short-term Course
on
DATA ANALYTICS USING 'R' & 'EXCEL'

Resource Person

Dr. N P SINGH

Founder **ResearchLytics**
Former Professor (Part-time)
Cambrian College, Sudbury, Canada

DURATION: 3rd September'22 - 30th October'22
Classes on Saturday & Sunday (6 PM to 8 PM)
REGISTRATION FEE: Rs. 1500/-

- Students of all UG courses can apply
- Classes will be online
- Limited Seats (First-come-first-serve basis)
- Online Certificate shall be awarded based on assessment conducted during the course

Last date to register : 30th August 2022

For Queries, Contact : Ms. Sukhvinder Kaur (98732 70727)
Ms. Komal Chhikara (98966 45650)

Scan to register

Mr. G.K. Arora (Commerce)
Dr. Meena Singh (Economics)
Department Convenors

Dr. Neeta Dhingra
Course Coordinator

Prof. (Dr.) Gurmohinder Singh
Oftg. Principal

About the College

Sri Guru Nanak Dev Khalsa College is an eminent college of University of Delhi and is managed by the Delhi Sikh Gurudwara Management Committee (DSGMC).

Since its inception in the year 1973, Sri Guru Nanak Dev Khalsa College has been at the forefront of imparting quality education by blending modern education curriculum with justice-based, equality oriented, and society-centric moral teachings of Sri Guru Nanak Dev ji.

A highly erudite and accomplished faculty, an able administrative team, hardworking staff and most importantly, hundreds of bright and young minds who make the college their second home for three years have together helped the college scale great heights.

This is reflected in the latest NAAC assessment where the College was awarded with 'A' grade in the year 2022

About the Course

Course Content

> ### Introduction to Business Analytics

Overview of Business Analytics: Descriptive, Predictive and Prescriptive Analytics, Statistics and Variables, Discussion on Case Studies, Introduction to R for Analytics

> ### Descriptive Analytics with R

Frequency tables, Bar charts, Pie charts etc, Contingency table, Histogram, Measure of Centre & Spread, Box plots and Outliers, Time series and Skewed data, Normal distribution, Understanding Descriptive statistics & Correlation analysis

> ### Statistical Inference with R

Testing of Hypothesis (Parametric & Non-parametric), Test of difference (t, z and F tests), Test of association and Test of Goodness of fit, Chi Square Analysis, ANOVA

> ### Predictive Analytics with R

Time series and Forecasting, Modeling relationships and trend in data, Fitting trendlines for linear, logarithmic, polynomial, power, and exponential forms with Excel, Linear multiple regression using R, interpreting R-square, Regression as ANOVA, Standard Error, Regression coefficients & residual analysis, Quadratic regression model and using transformation in regression analysis with Excel

> ### Dashboard using Analytics

Basics functions of MS Excel and Applications, Visualizing Data, Creating dashboards in MS Excel

Job Prospects

- Reasearch Analyst
- Business Analyst
- Research Associate
- Data Visualization Analyst
- Risk Analyst
- Operation Analyst
- Marketing Analyst
- Data Analytics Consultant

About the Resource Person

Dr Narinder Pal Singh is an aspiring Business Analyst, avid Researcher, Academician, Trainer and Author. Dr. Singh is a Business Analytics Graduate from Cambrian College Canada, PGDBM (Finance) Gold Medalist and Master of Financial Management (MFM). He earned his M.Phil (Finance) from University of Delhi and Ph.D (Finance) from Delhi school of management, DTU. Dr Singh brings with him 19 years of teaching experience in courses like Derivatives & Risk Management, Security Analysis & Portfolio Management, Financial Management, Business Research Methods, Business Analytics, Operations Research, Business Statistics etc.

He has worked as a Professor (Part-time) at School of Business, Cambrian College, Sudbury, Canada. He is former Associate Professor of Finance, Quantitative Techniques and Business Analytics at Jagan Institute of Management Studies (JIMS) Delhi. He has 15 years of research experience. His research areas include Market Efficiency, Risk management, Commodity and Stock Derivatives, Financial Markets and Corporate Finance. Dr. Singh has successfully completed summer research fellowship at IIT, Delhi. He has delivered sessions in AICTE sponsored STTPs and Faculty Development Programmes (FDPs) on Financial Econometrics and Research Methodology at reputed Universities and B-schools.

Registration Details

Participants are required to pay the registration fee of ₹1500 via NEFT/IMPS/UPI to the following account:

Beneficiary Name:	**Principal, Sri Guru Nanak Dev Khalsa College**
Bank Name :	**Punjab National Bank**
Bank Branch:	**New Rohtak Road , Karol Bagh , New Delhi**
Account number:	**0619000101313665**
IFSC:	**PUNB0061900**

<p style="text-align:center"><strong style="color:red">NOTE: Fee is Non-Refundable</p>

Eligibility criteria:

Participants with basic knowledge of statistics are eligible to enroll.

Steps For Registration:

➤ Make the online fee payment (₹1500) to the above-mentioned bank account.
➤ Save the payment proof in jpg or pdf format.
➤ Fill the online registration form using the following link or by scanning the QR code given on the first page.
➤ Registration link: https://forms.gle/jtWZUHrdwgfUNbzPA
(Note: The payment proof needs to be uploaded within the registration form)

Important Information:

➤ Registration to the programme is through online mode only.
➤ The last date for registration is 30th August, 2022.
➤ Participants will be informed about their enrollment by 1st September, 2022.
➤ Strict attendance norms will be followed.
➤ Participants are required to clear the assessment component for getting the e-certificates.
➤ Further details will be communicated to the registered participants.
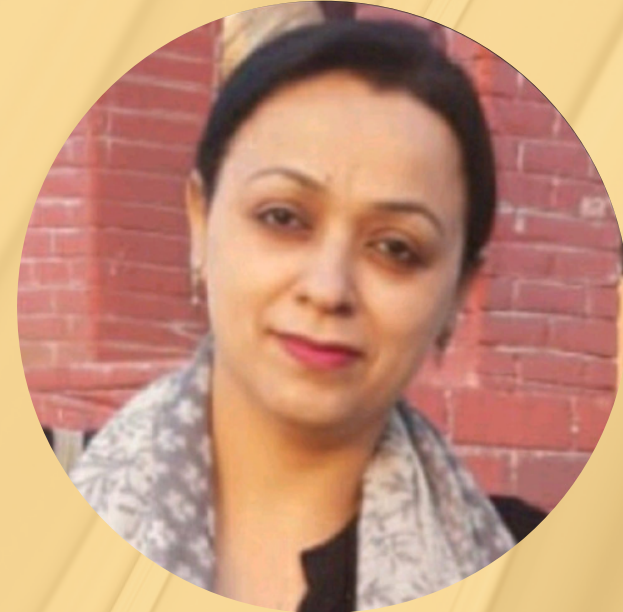
Organising Team

Dr. Neeta Dhingra
Course Coordinator

Members, Organizing Committee

Dr. Meena Singh

Ms. Sukhvinder Kaur

Ms. Ashmeet Kaur

Ms. Damanpreet Kaur

Ms. Divya Gupta

Ms. Komal Chhikara

SRI GURU NANAK DEV KHALSA COLLEGE
Dev Nagar, Delhi - 110085

Notice

All students and Faculty members are cordially invited to attend the following Programme:

Nature of Event: Short - term Course

Title of Event (if any): Data Analytics Using 'R' & Excel

Organising Body: Department of Commerce & Department of Economics

Department: Commerce & Economics

Time: 6 P.M - 8 P.M.

Duration: 32 Hours

Venue: Zoom Meeting

Link (if any):

Signature: _Neet Dhingra (24.8.2022)_ _meena Singh 24/8/22_

Name: _____

(Convenor)