Call for Enrolments/Participations
in
Add-on Course
'Basics of Data Analysis'
Being offered by
Department of Economics
R.K.S.D.(PG) College Kaithal (Haryana)

Total Seats: **40** & Eligibility: **Any UG Student**
Course Starting from: **November 18, 2021** onwards

Dr. Ritu Kang
Course Coordinator

Dr. V.P. Goyal
Head of Department

Dr. S.K. Goyal
Principal

1.	Name of Course	Certificate Course in **Basics of Data Analysis**
2.	**Department**	**Economics**
3.	**Duration**	32 Hours (12 Hours Theory and 18 Hours Practical)
4.	**Number of Seats**	40
5.	**Eligibility**	10+2 (Any Stream)
6.	**Language**	Both English& Hindi , Mode:- Blended
7.	**Objective**	*Data analysis is the systematic computation/ analysis of statistics or data. It is a process through which data is processed, analysed and results are calculated by using different tools. These results are interpreted and used for business related effective decision-making purposes. It is also used for making strategies to get the desired business results and also significant in research for getting result and helpful to derive policy implications. Today, data analytics has become a big career option in India as well as the in the world.*
	Syllabus	*Note:The Syllabus is divided into **Four Modules**. All modules are combination of both theory and hands on training sessions on computer.* **Module –I** **Concepts of Data:** Meaning of Data, Need/Importance of Data, Types and Sources of Data, Organisation and Tabulation of Data. Various sources of Data in India (An Introduction). **Module –II** **Statistical Measures for Data Analysis:** Introduction ofCentral Tendency(Mean, Median and Mode) and their interpretation, Basics of Correlation andRegression and their interpretation. **Module - III** **Data Presentation & MS Excel:** Entering of Data in MS Excel, Formation of Tables,Presentation of Data through various graphs (Histogram, Bar Diagram, Trend Line and Pie Chart) and their interpretation/ analysis.

		Module - IV **Data Analysis & Statistical Software's**: Introduction of Statistical Software's, Hands on Training on SPSS, Computation of Central Tendencies, Correlation and Regression through SPSS and their analysis. **References**: • J.K.Sharma: Business Statistics • Sabine Landau and Brain S. Everitt: Handbook of Statistical Analysis using: SPSS • S.C. Gupta: Fundamentals of Statistics • S.P. Gupta: Statistical Methods • T.R. Jain, S.C. Aggarwal, R.K.Rana: Basic Statistics for Economists
6.	Outcomes	There are a number of Data Analyst jobs for which an individual can go for. With a keen knowledge of the field, you can explore the following career opportunities: • Information Architect • Business Analyst • Product/ Sale Manager • Data Scientist • Empirical Research • Project Manager • Statistical Investigator
10.	MoU (If Possible) (Name of Institution)	Can be explored