



**1 Week FDP on "Research Methodology and Data Analysis Using SPSS"**  
**from 24<sup>th</sup> -28<sup>th</sup> June 2019; in TIAS**

**Sub: Invitation to Faculty Members**

Dear Faculty Members,

Tecnia Institute of Advanced Studies (TIAS), one of the Premier Institute, set up under the aegis of Health & Education Society (Regd.), - a body registered under the Society Registration Act XXI, 1860. Institute is NAAC accredited "A" Grade Institute duly approved by All India Council for Technical Education, Ministry of HRD, Govt. Of India and is affiliated to Guru Gobind Singh Indraprastha University, Delhi; Recognized under Section 2(f) of UGC Act, 1956. The institute is ISO 9001:2015 & ISO 14001:2015 certified institute for its Quality Management System (QMS), Environmental Management System (EMS), for its well established system and procedures for imparting highly quality education.

***Reference UGC Notification; New Delhi, the 18th July, 2018; UGC Regulations on Minimum Qualifications for Appointment Of Teachers And Other Academic Staff In Universities and Colleges and Measures for the Maintenance of Standards In Higher Education, 2018; No. F.1-2/2017(EC/PS); Clause 6.4, Pg 80: Stages of Promotion Under The Career Advancement Scheme for Asst Prof/Asso. Prof /Professors; from this, it is imperative that FDP is the integral part of quality parameter of higher education.***

In conjunction of the same Institute is going to organize 01 Week Faculty Development Programme from 24<sup>th</sup> June 2019 to 28<sup>th</sup> June 2019. This FDP is intended to train participants with **Basic & Advance Data Analysis Skills Using SPSS to produce Quality Research Work.**

The key focus is to identify the right statistical tools and techniques for different research objectives and carrying out data analysis using SPSS. The participants will learn how to make the data ready for analysis, data entry and analysis in SPSS. The workshop will enable them to analyze & interpret the data through SPSS; complete hands-on training on SPSS will be used targeting on 'do how' rather than 'know how'. It will also include hands on practical sessions on data handling, analysis & deriving preliminary results and Practical sessions with suitable illustrations and demonstrations.

We humbly request your good self to enroll as participants for Faculty Development Programme. We have only limited 20 nos. of seats and each participant will required to pay Rs. 1000/- as registration fee. Seats will be issued on FIRST COME FIRST SERVED BASIS. Last date of the registration for this FDP is 22nd June, 2019.

For any other query, you may please contact to Dr. Sandeep Kumar (Mobile: 9818083607).

Thanks & Regards

**Dr Ajay Kumar**  
**DIRECTOR**

**Encl : FDP Brochure**



### HOW TO PARTICIPATE

Interested candidates are requested to send the duly filled registration form to [events@tecnia.in](mailto:events@tecnia.in)

### PARTICIPANTS PROFILE

- Academic Fraternity in Management, Science and IT, Journalism and Mass Communication, Information Service Providers.
- Professionals working in Industry and Research in the areas of IT.
- Students and Research Scholars.

### PATRON-IN-CHIEF

Dr. R. K. Gupta, Chairman, Tecnia Group of Institutions, Delhi

### DIRECTOR

- Prof. (Dr.) Ajay Kumar, Director, TIAS

### ADVISORY COMMITTEE

- Prof S S Handa, Professor, ISI Delhi.(Retd.)
- Prof. M. K. Soni, Pro VC, Manav Rachna International Univ, Faridabad
- Prof G N Tiwari, Professor, IIT, Delhi (Retd.)
- Prof Dr R C Singh, Professor, MGCGV, Chitrakoot (Retd.)
- Prof Sunil Gupta, Professor, IGNOU, Delhi
- Dr. Nasib S Gill, Professor, M D University, Rohtak
- Prof. Mukesh Dhunna, Professor, M D University, Rohtak
- Prof R P Tulsian, Delhi University
- Prof M. P. Gupta, Former Dean, FMS, Delhi.
- Prof A K Bardhan, FMS, Delhi

### FDP CONVENER

- Dr. Sandeep Kumar, Convener

### ORGANISING COMMITTEE

- |                            |                       |                       |
|----------------------------|-----------------------|-----------------------|
| • Dr. Ajay Pratap Singh    | • Dr. Monisha         | • Ms. Honey Shah      |
| • Dr. Arun Bhatia          | • Ms. Komal Gangi     | • Ms. Aastha          |
| • Dr. Vandana Raghav       | • Ms. Geetika         | • Ms. Keenika Arora   |
| • Dr. Namita Mishra        | • Ms. Manisha         | • Ms. Sheetal Badesra |
| • Dr. Surbhi Jain          | • Ms. Rajni Bansal    | • Ms. Antika Bhargava |
| • Dr. Kanika Gupta         | • Mr. Rahul Tripathi  | • Mr. Anil K Jharotia |
| • Dr. Sachin Sabharwal     | • Mr. Pradeep Palei   |                       |
| • Dr. Varun Kumar          | • Mr. Rahul Mittal    |                       |
| • Dr. S. Chinnathambi      | • Ms. Neha Gupta      |                       |
| • Dr. Vishal Khatri        | • Ms. Sonia Madan     |                       |
| • Dr. Rohtash Kumar        | • Ms. Jyotsna         |                       |
| • Dr. Sanjay Kr Srivastava | • Ms. Punitika Batra  |                       |
| • Dr. Vipul Partap         | • Ms. Shilpa Bhandari |                       |
| • Dr. Shambhoo S Gupta     | • Ms. Kirti Miglani   |                       |

### REGISTRATION FORM

Name of Participant Dr./Mr./Ms.: \_\_\_\_\_  
 Designation: \_\_\_\_\_ Department: \_\_\_\_\_  
 Organization/Institute: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Country: \_\_\_\_\_  
 PIN: \_\_\_\_\_ Phone No. with STD Code: \_\_\_\_\_  
 Mobile: \_\_\_\_\_ E-mail: \_\_\_\_\_  
 Work Experience: \_\_\_\_\_ Gender: Male / Female

### Registration Fee Details (Please mark (√) accordingly):

Delegate Category	√	Registration Fees		
		National	Draft	Cash
Participant		Rs. 1000/-		

All Drafts should be in favour of "Tecnia Institute of Advanced Studies"  
 Payable at New Delhi.

**For ONLINE TRANSFER:-** Bank A/c No.: 53001143127; Bank Name: State Bank of India; IFSC Code: SBIN0030432; MICR Code: 110005012; Bank Address: Sector-14, Rohini, New Delhi

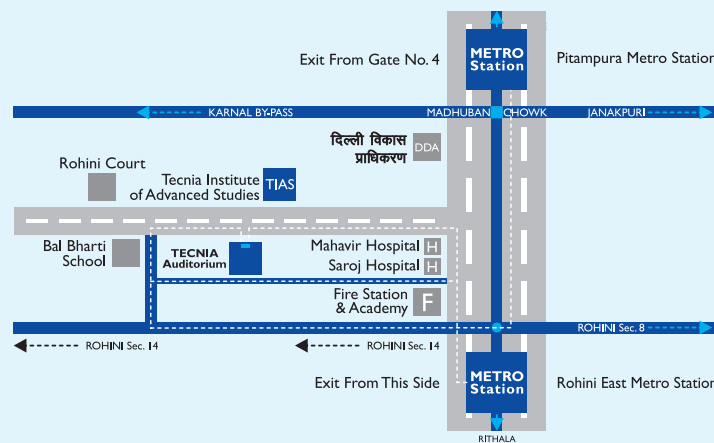
### Please Note:

- Please fill the Registration form neatly in capital letters.
- Last date for receiving the applications is 22<sup>nd</sup> June 2019.
- A certificate would be issued to the Participants.
- Fee does not include accommodation, local/outstation travel. No refund will be allowed for Cancellations made. Outstation candidates needing assistance in accommodation (on payment) may Contact the FDP Convener at the address given below.

**Kindly send your Registration Form and DD by post to:**  
**Dr. Ajay Kumar, Director; Dr. Sandeep Kumar, Convener**  
**TECNIA INSTITUTE OF ADVANCED STUDIES**

Institutional Area, Madhuban Chowk, Rohini, Delhi-85, India  
 Phone: 011-27555121-22-23-24 • Mobile: 9811229001,  
 9818086307 • Fax: 27555120

### ROUTE MAP

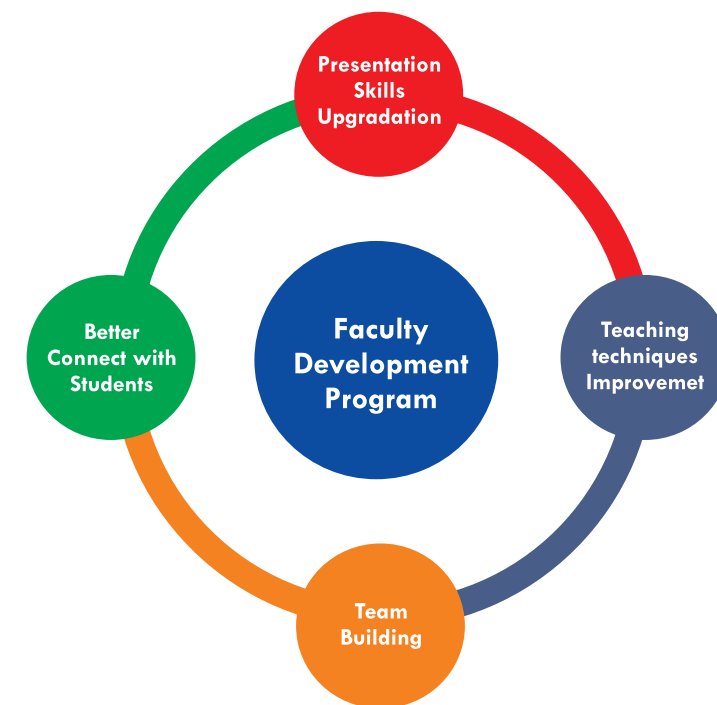


### One Week

### Faculty Development Programme

# RESEARCH METHODOLOGY AND DATA ANALYSIS USING SPSS

24<sup>th</sup> - 28<sup>th</sup> June, 2019 • TIAS Campus



Organized by:  
**Internal Quality Assurance Cell**



### TECNIA INSTITUTE OF ADVANCED STUDIES NAAC ACCREDITED GRADE "A" INSTITUTE

Approved by All India Council for Technical Education, Ministry of HRD, Govt. of India;  
 Affiliated to Guru Gobind Singh Indraprastha University, Delhi;  
 Recognized Under Sec. 2(f) of UGC Act 1956.

**INSTITUTIONAL AREA, MADHUBAN CHOWK, ROHINI, DELHI-110085**  
 T: 011-27555121-24 • E: [directortias@tecnia.in](mailto:directortias@tecnia.in) • W: [www.tiaspg.tecnia.in](http://www.tiaspg.tecnia.in)

## ABOUT TECNIA

The Tecnia Institute of Advanced Studies (TIAS); NAAC Accredited Grade "A" Institute; ISO 9001:2015 & 14001:2001 Certified Institute; Rated by Joint Assessment Committee (JAC), DHE, Govt. of NCT of Delhi & Guru Gobind Singh Indraprastha University, Academic Audit & State Fee Regulatory Committee, as (A Category) Institute; "A++" Category, Best Business School by AIMA-Business Standard Survey, Included in Top 100 B & IT School by Dalal Street Investment Journal.



## ABOUT FDP

This FDP is intended to train participants with basic & advance data analysis skills using SPSS to produce quality research work. The key focal point of the training will be to identify the right statistical tools and techniques for different research objectives and carrying out data analysis using SPSS.

The participants will learn how to make the data ready for analysis, data entry and analysis in SPSS. The workshop will enable them to analyze & interpret the concerned data through SPSS. Complete hands-on training methodology will be used targeting on 'do how' rather than only 'know how'.

### Who should attend?

- Faculty in quest of direction on supervising research
- PhD scholars, researchers, MPhil students enrolled in different universities and want to develop their data analysis skills.
- Professionals interested in quantitative research

## OBJECTIVES OF THE FDP

- To provide the platform for discussion on the statistical requirements of research
- To train and inculcate the skills for Data Analytics using SPSS
- Hands on practical sessions on data handling, analysis & deriving preliminary results & Practical sessions with suitable illustrations and demonstrations.
- Discussion on the interpretations of results and presentation
- Analyze data using basic and advance statistical techniques in SPSS
- Interpret SPSS output tables and report findings.

## WHY TO ATTEND FDP?

- Conceptual clarity of the research process and methodology through SPSS.
- Familiarity with Data Analysis tools and techniques of management decision making approach through SPSS.
- Discussions and Interaction by Experts and experience sharing with co-participants from different research areas across India.
- Focuses on maximizing hands on development of practical skills and data analytical tools.

## PROGRAM SCHEDULE

### Day 1

- Introduction to Software-SPSS
- Data Structure
- Data Types
- Import and Export Data
- Data Manipulation
- Data Transformation
- Practice with Data Sets

### Day 2

- Aggregation and Summary Reports
- Descriptive Statistics
- Functions and Formulas
- Graphs
- Practice with Data Sets

### Day 3

- Q&A Session
- Hypothesis
- One Sample T-Test
- Two Sample T-Test
- Paired T-Test
- Practice with Data Sets

### Day 4

- Q&A Session
- One Way ANOVA
- Multivariate ANOVA
- Correlation
- Chi-Square
- Practice with Data Sets

### Day 5

- Q&A Session
- Linear Regression
- Diagnosis
- Practice with Data Sets

## RESOURCE PERSONS

### Harsh Kumar Singh

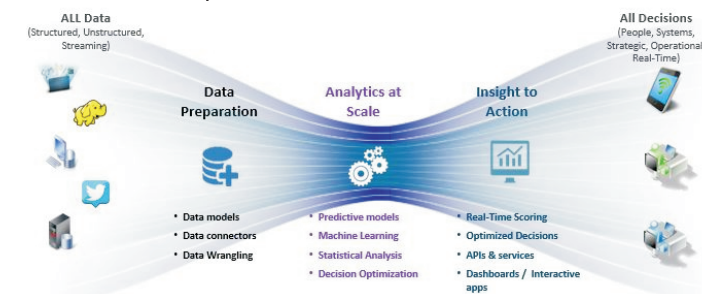


- Data Scientist & Consultant with more than 10 Years of work experience and 6 years of training exp in SAS, SPSS, R & Python and trained over 500 students from areas like Healthcare, Insurance, Banking, Telecom fields & Human Resource.
- Worked with Fortune 500 companies like Patni Computers, Hewitt Associates, Convergys, Metlife Global and IBM India in past.
- Experience in Statistical Modeling and techniques used for Analysis like Linear Regression, Logistic Regression, Cluster Analysis, Decision Tree, Time Series, Conjoint Analysis, Forecasting, Factorial Analysis, ANOVA, T-Test, Chi-Square Test etc.
- Good understanding of Big data and Business Analytics concept.
- Developed and design the statistical algorithm to solve the business problem

### Dr. S S Handa



- Former Sr. Professor & Consultant of Quality Management Sciences (QMS), at Indian Statistical Institute, New Delhi
- M.Stat (ISI, Kolkata), Ph.D. (Computer Science)
- Specialization: Statistics and TQM



## IMPORTANT DATES

Last date for Registration: **-22<sup>nd</sup> June 2019**  
Date of FDP: **-24<sup>th</sup> -28<sup>th</sup> June 2019**

## REGISTRATION FEE

Registration fee for each participant **Rs. 1,000/-**

