



# 7-Day National Faculty Development Program (FDP) on Data Analysis Using SPSS

**DKTE** D.K.T.E. SOCIETY'S TEXTILE & ENGINEERING INSTITUTE  
RAJWADA ICHALKARANJI MAHARASHTRA 416115 India.

**Date:** Aug 11 - Aug 18, 2025

**Time:** 7:00 PM - 8:00 PM

**Mode of Delivery:** Zoom Video Conferencing.

**MODE  
ONLINE**

**REGISTRATION OPEN**

[www.scrollwell.com](http://www.scrollwell.com)  
[info@scrollwell.com](mailto:info@scrollwell.com)



## About *Scrollwell.*

Scrollwell is a dynamic and emerging organization in the education sector, dedicated to strengthening the education system and providing expertise in live training for professional development. Our commitment to excellence is reflected in our successful series of Faculty Development Programs for Digital Literacy, which have reached over 44,850 faculties from July 2020 to July 2024.

At Scrollwell, we recognize the challenges posed by teachers in the digital era, and our team of experts is dedicated to equipping educators with the latest knowledge and skills to deliver effective education. Our training programs are meticulously designed to cater to the diverse needs of professionals and learners, covering themes such as Engineering, Education, Start-up, and Entrepreneurship.

Our mission is to bridge the technological gap in education and empower those who shape the future.

We are recognized by esteemed organizations including **Startup India, MSME and Skill India Supported by Start-up Bihar** and the Centre for Innovation, Incubation & Legal Entrepreneurship, Chanakya National Law University, Patna.

We are part of  
**#startupindia**



**MSME**  
MICRO, SMALL & MEDIUM ENTERPRISES  
सूक्ष्म, लघु एवं मध्यम उद्योग



**N.S.D.C.**  
National Skill Development Corporation  
Transforming the skill landscape



**STARTUP BIHAR**



DKTE College of Engineering, established with a vision to provide high-quality education in the field of engineering and technology, aims to foster innovation, excellence, and holistic development in its students. The college is affiliated with the Shivaji University, Kolhapur, and recognized by the All India Council for Technical Education (AICTE).

Key features of DKTE College of Engineering include:

- Modern campus facilities, including well-equipped classrooms and laboratories.
- On-campus residential accommodations and dining options for students.
- Comprehensive medical services available for students and staff.
- Career development programs, workshops, and personalized guidance for students.
- Confidential counseling and mentorship to support students' personal and academic growth.
- Robust IT infrastructure, offering campus-wide internet access and modern technical resources.

The college thrives on a dynamic and experienced faculty, including industry experts, ensuring a balanced academic experience while promoting financial autonomy and accountability.

## TOPICS TO BE COVERED

### 07-Day National Faculty Development Program on Data Analysis Using SPSS

#### Introduction and Objectives

It has been found that there is a gap in collecting data and understanding the use of information and its application. Fortunately, nowadays, software packages are available that allow one to analyze data in a more efficient and user-friendly way. This program, will help participants to get acquainted with one of the widely accepted and used packages IBM SPSS (acronym for 'Statistical Package for the Social Sciences'). The workshop will be a hands-on session, where you will be trying out the different tools and learning to interpret the results.

#### Contents

Topics to be covered in the Workshop: Introduction to IBM SPSS Statistics, Basic structure and functionalities, Importing data from SPSS, Excel, databases, and text files, Handling large datasets, Descriptive Statistics, Working with Syntax in SPSS, Pasting and editing syntax, Running syntax files, Data Visualization in SPSS, Creating and editing charts (line, bar, pie, scatter), Statistical Analysis in SPSS, Parametric tests: T-test, F-test, correlation, Non-parametric tests: Chi-square, Causal analysis using OLS linear regression.

**Pedagogy:** Typically, participants will get 100% input in lab sessions.

#### Who Should Attend

All those who deal with data analysis will benefit most from the program.

Thus, the program will be useful for:

- Academicians, Researchers, SPSS & Research Methods
- Business Analysts/Managers at various decision-making levels
- Executives handling Business Analytics and/or Research
- Management Students & Research Scholar

#### Program Dates and Timing

**Dates:** Aug 11 - 18 , 2025

**Timing:** 7:00 PM - 8:00 PM (Online Mode)



## TOPICS TO BE COVERED.

### Day 1: Introduction to SPSS, Data Coding, and Tabulation

- Overview of SPSS: Interface, functionalities, and applications
- Data input methods: Manual entry, importing from Excel, CSV, etc.
- Coding and labeling variables
- Data cleaning and handling missing values
- Tabulation and preliminary data summarization

### Day 2: Descriptive Statistics

- Measures of central tendency: Mean, Median, and Mode
- Measures of dispersion: Range, Variance, Standard Deviation
- Graphical representation of data: Histograms, Box plots, and Scatter plots
- Normality tests and distribution analysis

### Day 3 & 4: Correlation and Regression Analysis & Interpretation of Data

- Understanding correlation: Pearson, Spearman, and Kendall correlation
- Simple and multiple linear regression
- Model building and validation
- Interpretation of regression output and statistical significance
- Hands-on session with real-time datasets

### Day 5: Factor Analysis on SPSS

- Concept of factor analysis and its applications
- Exploratory Factor Analysis (EFA)
- Principal Component Analysis (PCA)
- Interpretation of factor loadings and scree plots
- Practical exercises using SPSS

### Day 6: Cluster Analysis

- Introduction to clustering techniques
- Hierarchical vs. K-means clustering
- Identifying optimal cluster numbers
- Application in market segmentation and research
- Hands-on practice with case studies

### Day 7: Project, Evaluation, and Interpretation

- Participants work on an assigned project
- Application of learned techniques on real-world data



## *Know your* **TRAINER.**

With over 28 years of industry experience and 18 years of teaching experience, I specialize in the fields of Marketing and Healthcare Management. My professional journey includes more than 10 years in administrative roles within the industry, where I have led and managed various strategic and operational initiatives.

In addition to my academic responsibilities, I am actively engaged in consultancy services for a range of organizations. These consulting engagements are carried out in collaboration with the institute.

My research interests lie in applied marketing, healthcare systems, and management practices. I have had the privilege of publishing my work in several esteemed journals, including ABDC A and C categories, Scopus-indexed journals, and platforms such as SAGE, Taylor & Francis, Emerald Publishing, IGI Global, and UGC-approved journals. I have also contributed multiple book chapters that reflect my ongoing commitment to scholarly research.

Over the years, I have presented more than 20 research papers at various national and international conferences, allowing me to stay actively engaged with the academic and practitioner communities.

### **Dr. Prabal Chakraborty**

Associate Professor

Jagannath Institute of Management Sciences, New Delhi

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**MSME**  
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GOVERNMENT OF INDIA  
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& ENTREPRENEURSHIP

N.S.D.C.  
National  
Skill Development  
Corporation  
Transforming the skill landscape

**Skill India**  
कौशल भारत - कुशल भवत

**STARTUP  
BIHAR**





**Focused Audience:** This FDP is going to be immensely beneficial to faculty and research scholars of all levels and in different disciplines.

**Mode of Delivery:** Resource Persons will deliver lectures in interactive mode and conduct hands-on sessions in FDP mode through Zoom Video Conferencing platform.

**Confirmation of Participation:** On receipt of registration, participants will be sent confirmation of their participation through email. Participation for this program is limited. Apply early to avoid disappointment

**Learning Outcome Test:** A short learning outcome test will be conducted after the session to revise what is learned. Certificates will be shared to participants attending both the session and the test.

**Bonus** As a Bonus to this FDP, you will get the Recorded videos of the session, Learning Resources/Step by Step Guide, and helpful E-books for self-learning

**IMPORTANT:**

- Attempting and submitting all the quizzes and assignments is mandatory.
- Participants should score a minimum of 80% in total to avail the programme completion certificate.
- Graded certificates will be awarded on the basis of performance. all participants need to submit online feedback for each session.
- Failing to meet any of the above conditions will result in denial of a certificate of completion to the participants.
- Registration is mandatory for participation

## REGISTRATION AND CONTACT DETAILS

**Program Fee:**  
INR 500/- + Applicable GST

**Registration Link:**  
<https://scrollwell.com/course/07-days-fdp-on-spss/>



MORE DETAILS



REGISTER HERE

**Contact Us:**

**Ayushi Singh - Email:** [ayushi@scrollwell.com](mailto:ayushi@scrollwell.com). **Phone:** +91 8987003155

# Star-Merit System

The Star-Merit System promotes consistent learning, accountability, and engagement, while providing faculty with clear metrics to support participants' success.

It evaluates individuals across key performance indicators—attendance, assignment completion, engagement, and overall participation—ensuring recognition is based on measurable, sustained effort.

Category	What It Means	Weight
Attendance	Are you showing up on time?	25%
Engagement	Do you participate in class?	25%
Assignments	Are you submitting good work on time?	30%
Activeness	Do you help others or take initiative?	20%

## Scoring Method

Each area is rated on a scale of 1 to 5. Use this weighted formula:

### Final Score =

$(\text{Attendance} \times 0.25) + (\text{Engagement} \times 0.25) + (\text{Assignments} \times 0.30) + (\text{Activeness} \times 0.20)$



## Certificate of Completion

This certificate is awarded to

**JAYA SIKDER**

from

**NATIONAL INSTITUTE OF TECHNOLOGY DURGAPUR**

has successfully completed the **07 Days Faculty Development Program on "Non - Parametric Data Analysis using SPSS"**. The program was held from **May 19 – 25, 2025**, and was hosted by **Scrollwell**.



**Roshan Kumar**  
Founder and CEO  
Scrollwell



**Dr Prabal Chakrabarty**  
Associate Professor  
JIMS, New Delhi



Certificate ID: SW20257568 and Date of Issue: May 25, 2025  
Certificate URL: <https://scrollwell.com/verify.php?certificateID=SW20257568>



# Star-Merit System

Rating	Performance	Criteria Overview
1.0 ★	Very Poor	<ul style="list-style-type: none"> <li>- Rarely attends sessions</li> <li>- No meaningful engagement</li> <li>- Assignments mostly missing</li> <li>- Passive presence, if any</li> </ul>
1.5 ★½	Poor	<ul style="list-style-type: none"> <li>- Infrequent attendance</li> <li>- Limited interaction</li> <li>- Few assignments submitted</li> <li>- Occasionally responsive</li> </ul>
2.0 ★★	Below Average	<ul style="list-style-type: none"> <li>- Attends irregularly</li> <li>- Minimal participation</li> <li>- Late or incomplete submissions</li> <li>- Shows some signs of interest</li> </ul>
2.5 ★★½	Low Average	<ul style="list-style-type: none"> <li>- Attends over 50% of sessions</li> <li>- Sporadic engagement</li> <li>- Most assignments submitted but without depth</li> <li>- Limited but improving involvement</li> </ul>
3.0 ★★★	Average	<ul style="list-style-type: none"> <li>- Regular attendance</li> <li>- Participates when prompted</li> <li>- Submits assignments on time with basic quality</li> <li>- Shows consistency but lacks initiative</li> </ul>
3.5 ★★★½	Fairly Good	<ul style="list-style-type: none"> <li>- Above-average attendance</li> <li>- Engages occasionally on own</li> <li>- Assignments meet expectations</li> <li>- Demonstrates increasing initiative</li> </ul>
4.0 ★★★★	Good	<ul style="list-style-type: none"> <li>- Consistent attendance</li> <li>- Active in discussions and activities</li> <li>- High-quality assignment submissions</li> <li>- Often takes lead or helps peers</li> </ul>
4.5 ★★★★½	Very Good	<ul style="list-style-type: none"> <li>- Nearly full attendance</li> <li>- Proactively engages in learning</li> <li>- Assignments show depth and originality</li> <li>- Acts as a motivator or role model</li> </ul>
5.0 ★★★★★	Excellent	<ul style="list-style-type: none"> <li>- 100% attendance</li> <li>- Highly engaged in all sessions</li> <li>- Consistently exceptional assignments</li> <li>- Fully active, collaborative, and adds value to the group</li> </ul>

# Scrollwell Advantage



## Intuitive & Detailed Explanations

"Inspiring lectures with clear, concise, and engaging explanations."

## HD Videos + Crystal Clear Audio

"High-quality videos with clear audio for optimal viewing experience."



## Practice Exercises, Real-Time Feedback

"Improve skills with interactive exercises and instant feedback."

## Lifetime Access, Pocket Friendly

"Long-term value with budget-friendly options for continued access."



## Project-based learning

"Hands-on learning through practical projects and real-world application."

## Star-rated Completion Certificate

"Official recognition of completion for added credibility and motivation."

