

# **Rukmini Devi Institute of Advanced Studies**

**Madhuban Chowk, Rohini, Delhi-110085**

**(Approved By AICTE & Affiliated With GGSIP University)**

## **DOSSIER**

*On*

**Faculty Development Programme**

*On*

**“Non-Parametric Test”**

*At*

**RDIAS**

*on*

**September 8, 2018**



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**Mr. Miklesh Prasad Yadav**  
Assistant Professor, RDIAS

**Dr. Irameet Kaur**  
Chairperson- Literary Club

**Prof. (Dr.) Raman Garg**  
Director, RDIAS

## **FORM A**

### **Proposal:**

- **Name of the event attended:** FDP on Non-Parametric Test
- **Date:** September 8, 2018
- **Time:** 10:00 a.m. – 4:00 p.m.
- **Venue:** RDIAS Lab 3
- **Motivation for the activity:** The purpose of the FDP was to make the participants aware about Non-parametric test with practical exposure. Dr. Asha Chawla was the guest speaker who started lecture with assumptions to be met for Non Parametric test. When the normality and homogeneity of variances are violated, Non parametric test is used. Understanding the same will enable us to move in the right direction of our research work in terms of testing the hypothesis using SPSS. Thus, the primary objective of this programme was to enhance the research capabilities of faculty members and research scholars by making them equipped with the concepts related to Non Parametric test.
- **Convener** – Mr. Miklesh Prasad Yadav

## **FORM B**

### **Part 1**

**Aim of the event:** In current juncture of research, it is paramount requirement for the researchers to analyze their research work using proper statistical tool. For the same, researchers, academicians and industrialists often get problems in applying tools the test when the normality and homogeneity of variance assumptions are violated. Hence, it is more important to enrich the intellectual capital by focusing on new knowledge integrated with the tools available like SPSS, Eviews and AMOS. Knowledge of applied research tools and methodology along with the use of software helps in integrating research and practice. To enrich the research skills of faculty members and research scholars, RDIAS conducted a One Day FDP on “Non-Parametric Test” on September 8, 2018.

### **Part 2**

#### **Abstract:**

The FDP started with a brief welcome to all the participants by Ms. Rajni Joshi, Asst. Professor, RDIAS. The speaker of the day was Dr. Asha Chawla, Associate Professor- GVM Girl College, Sonapat. A warm welcome was given by presenting a bouquet to the guest by Mr. Miklesh Yadav, FDP Coordinator. Dr. Asha Chawla enlightened the session with sharing the knowledge. The resource person set the momentum of the programme with a detailed session on Non Parametric Test. She started her session with a assumptions of non-parametric test. First and foremost, she spoke about assumptions like normality and homogeneity of variance. She mentioned that in order to apply non-parametric test, these assumptions have to be violated. A non-parametric test (sometimes called a distribution free test) does not assume anything about the underlying distribution (for example that the data comes from a normal distribution). That's compared to parametric test, which makes assumptions about a population's parameters (for example, the mean or standard deviation); When the word “non parametric” is used in stats, it doesn't quite mean that you know nothing about the population. It usually means that you know the population data does not have a normal distribution. She made participants understand to check the normality and homogeneity of variance. Later on, she discussed various types of non-parametric test. She

talked about chi square in details. A chi-square statistic is one way to show a relationship between two categorical variables. In statistics, there are two types of variables: numerical (countable) variables and non-numerical (categorical) variables. The chi-squared statistic is a single number that tells you how much difference exists between your observed counts and the counts you would expect if there were no relationship at all in the population. It can be operated using Microsoft Excel and IBM's SPSS.

### **Part 3**

#### **Conclusion:**

One Day FDP enriched all the external as well as internal participants with rigorous learning on various types of non-parametric test using SPSS. The FDP was very well appreciated by all the participants and equipped all the participants with new tools and techniques to apply in their respective research areas. Apart this, she also talked about different measurement scales with suitable examples. Overall, the FDP proved to be highly fruitful, enjoyable and great learning experience to the entire participants.

*Glimpses of the Event!!!*



*Ms. Rajni Joshi, Assistant Professor-RDIAS, introducing the Resource Person!!!*



*FDP Convener presenting bouquet to Dr. Asha Chawla!!!*



*FDP Convener presenting a token of appreciation to Dr. Asha Chawla!!!*



Participants together at the end of session!!!