KARPAGAM ACADEMY OF HIGHER EDUCATION

(Deemed to be University Established Under Section 3 Of UGC Act 1956)

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FACULTY OF ENGINEERING

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

REPORT:

The workshop commenced with welcome speech by **Dr. R.Santhosh (Associate Professor & Head, CSE Department)** and welcomed the Expert and participant and explained the objectives and importance of the workshop.

Ms. Nita Bhupatarai was an industry (Udaaan Technologies) expert and shared his insights, real life scenarios, , practical use cases and their solutions on R language and hands on development using various R CloudLabs. The lecture was focused on the key concepts related to the Internet of Things and the participants received a brief overview of the following topics: Learn various statistical concepts like linear and logistic regression, cluster analysis, and forecasting with predictive data analytics.In addition you will also learn hypothesis testing techniques. ACTE, best Training Institute in Chennai provides an in-depth understanding of the R language, R-studio, and R packages. You will learn the various types of apply functions including DPYR, gain an understanding of data structure in R, and perform data visualizations using the various packages available in R. it helps the students beginner level to advanced

techniques that is taught by experienced working professionals to get the placement in good MNC companies. Finally **Ms.Aksharaa.P,** II CSE is given by vote of thanks.

Topics Covered:

Working with Data in R

Intro to the RStudio Environment, packages, and RMarkdown

- Intro to data manipulation with the dplyr package
- Descriptive statistics
- Data transformations with tidyr
- Data visualization with ggplot2
- Bivariate correlations and reliability tests with psych

Hands on Training:

Statistical Modeling in R
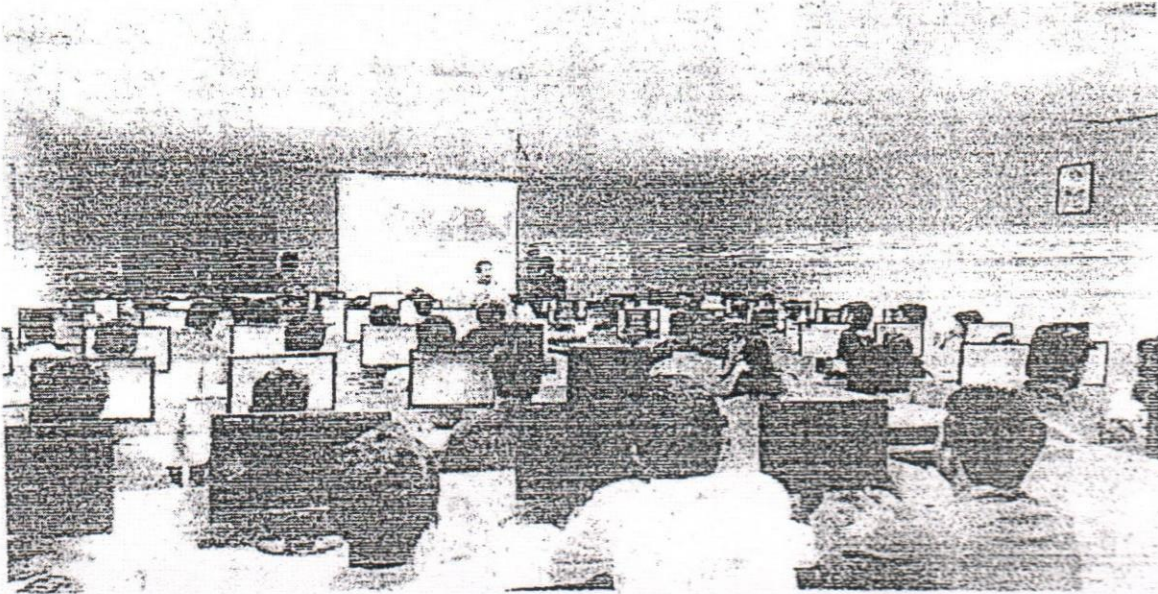
Basic inference tests: T-tests and chi-square test

- Analysis of Variance (ANOVA)
- Linear regression
- Logistic regression
- Exploratory Factor Analysis (EFA)
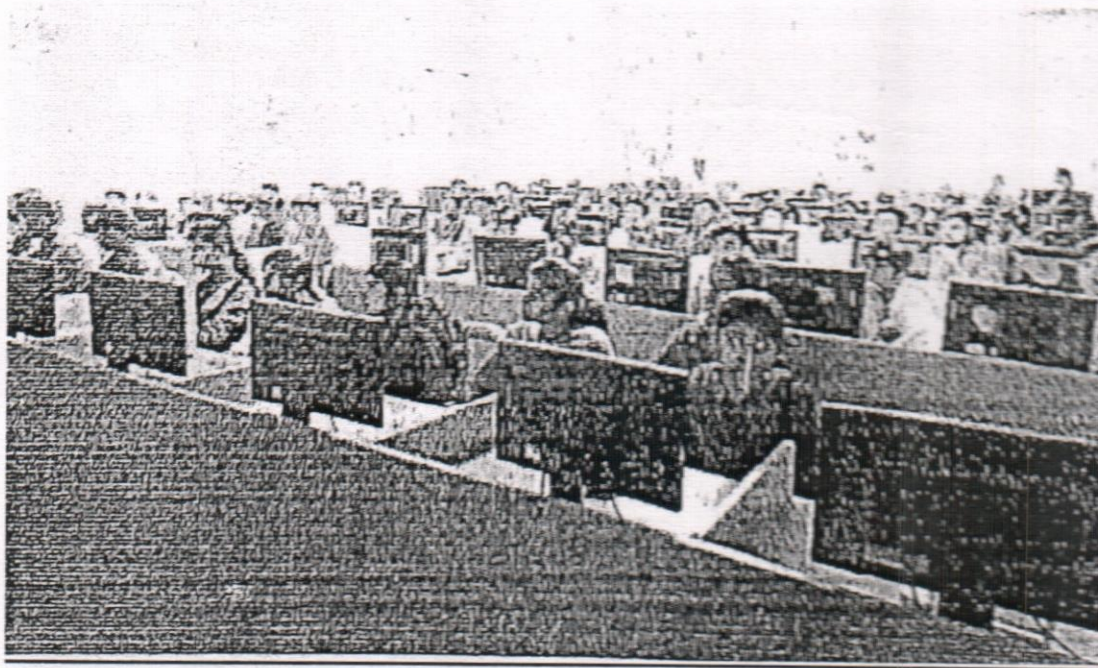- Confirmatory Factor Analysis (CFA) with lavaan

PHOTOS :

National Level Workshop on "R Programming " by **Ms. Nita Bhupatarai by, Udaaan Technologies**, on 08.08.2017.

Lecture Delivered by our chief Guest Ms. Nita Bhupatarai by, Udaaan Technologies

Hands on Training on R Programming:

Chief Guest

Ms. Nita Bhupatrai

Founder - Udaan Technologies, Coimbatore

Coimbatore, Tamil Nadu, India

Udaan Technologies is an energetic startup that offers exceptional Software Consultancy Services, Project Management Consultancy Services and IT training Services including call center services. Udaan Technology aims to provide the most cost-effective solution through the best delivery methods and processes to ensure that customers can focus their internal resources on key business processes

Chief guest Profile

IT experience (18 + yrs)

o Extensive experience in various facets of management roles (Test Management, Delivery Management, Project Management)

o 18 + yrs of experience in the IT industry with around 13+ yrs of Software Test Experience

o A certified software Test Manager with development background on Microsoft technologies

o Worked as Delivery Manager for Data Migration project and Program Interface for DWH project.

o Extensive experience in managing testing projects, Exposure to Performance Testing using WebLoad and functional testing tool using QTP

o Detailed knowledge of testing processes and methodologies

o Excellent analytical and strong communication skills

o Fast Learner, Self-Driven & Adaptive