

CHIEF PATRONS

Mrs. MAMTA D. BHATT
Chairman
S.D.N.B Vaishnav College for Women

Shri. CHANDRAKANT M.TOLIA
Secretary
S.D.N.B Vaishnav College for Women

Shri NIMISH C. TOLIA
Joint Secretary
S.D.N.B Vaishnav College for Women

PATRONS

DR. R.GEETHA
Principal
S.D.N.B Vaishnav College for Women

DR.M.S LEKHA
Vice Principal
S.D.N.B Vaishnav College for Women

CONVENER

Dr. D.ANNAPOORNI
Associate Professor & Head i/c
Department of Statistics
S.D.N.B Vaishnav College for Women

ORGANISING COMMITTEE

Dr. G.VIJAYSHREE
Assistant Professor

Mrs.V. RAMYA
Assistant Professor

Mrs. H. KAMINI
Assisatant Professor

Mrs.S.MERLINEJESSY
Assistant Professor

Mrs.R . NANCY MARY
Assistant Professor

Mrs. A.POOMPAVAI
Assistant Professor

RESOURCE PERSONS



Dr. R.AMALA
Scientist - C
ICMR Vector Control Research Centre
Puducherry.



SHRIMATHI DEVKUNVAR NANALAL BHATT
VAISHNAV COLLEGE FOR WOMEN,
Chromepet, Chennai – 44.

INTERNAL QUALITY ASSURANCE CELL (IQAC)
(Capacity Development and Skill Enhancement)

DEPARTMENT OF STATISTICS

Organizing

STUDENT DEVELOPMENT PROGRAM

on

STATISTICAL INQUIRY USING R

25th March 2023



ABOUT THE INSTITUTION

Shrimathi Devkunvar Nanalal Bhatt Vaishnav College for Women was started in 1968 with the generous donation of 10 acres of land by our Late Founder Chairman Shri Nanalal Bhatt and 6 lakhs donated by Cork Industries Charities Trust. The College is named after the Late Founder Chairman's wife Smt. Devkunvar. This college is the first women's college in Kancheepuram District, Tamil Nadu. The present Chairman Smt. Mamta D. Bhatt is a dynamic and energetic leader with innovative ideas and with the potential of executing them precisely. The College Secretary, Shri. C. M. Tolia, is a meticulous planner with a panoramic vista for the development of education especially for first generation women learners. The College has rendered five decades of immaculate service for the betterment of women and society.

ABOUT THE DEPARTMENT

Department of Statistics has been offering B.Sc.(Statistics) programme from 1984 with affiliation from University of Madras. The Department was recognized as a Research department by the University of Madras from

2012 for offering M.Phil. & Ph.D. Programmes in Statistics. So far 23 M.Phil. scholars & 2 Ph.D. scholar have graduated from the department. Currently 3 full time & 4 part time Ph.D. scholars are pursuing their research in the broad areas of Multivariate analysis, Survival Analysis, generalised Linear Models & Fuzzy Data Analysis under faculty from the department.

The department has well equipped Research Laboratory having 15 computers systems with internet facility & latest Licensed software like IBM SPSS Statistics 23, AMOS & SYSTAT and freely downloadable R programming Language apart from excellent computer labs provided by the College for conducting courses on software & computer programmes. Undergraduate students are offered programming skills in C/C++ & R language and MS EXCEL & SPSS for Data Analysis. Hands-on training on Exploratory Data Analysis through group Mini Projects is a salient feature of the programme. Apart from these, students take-up Computing Skills as a Self Learning Component from SWAYAM and MOOC Platform.

OBJECTIVES OF THE PROGRAMME

- Organizing and summarizing the data.
- Understanding of Applied Principles of Statistics
- To introduce Multivariate concepts and its applications.
- To enhance knowledge of recent developments in research.
- To Discuss case studies in Medicine

TOPICS TO BE COVERED

Session 1 : Exploratory Statistical Analysis

Inferential Statistics

Nonparametric Inference

Session 2 : Advanced Statistics Using R
ANOVA

MANOVA

Multiple Linear Regression

Logistic regression

Session 3 : Multivariate Analysis Using R

Factor Analysis

Cluster Analysis

Session 4 : Case Studies