ONE WEEK NATIONAL FDP ON MULTIVARIATE ANALYSIS TECHNIQUES USING R PROGRAMMING (ONLINE)

11th-16th March 2024

JOINTLY ORGANISED BY

St. Ann's College for Women
(Autonomous), Affiliated to Osmania University
Re-Accredited by NAAC with 'A+' Grade (CPE by UGC), ISO 21001 : 2018 ISO 14001: 2015
Mehdipatnam, Hyderabad
&
St.Pious X Degree &PG College for Women
(Autonomous), Affiliated to Osmania University
Re-Accredited by NAAC with 'A+' Grade
ISO 9001: 2015
Nacharam, Hyderabad

ABOUT THE COLLEGE:

St. Ann's College for Women was established by the congregation of the Sisters of Society of St. Anne - Hyderabad, with a vision to empower the girl student with academic excellence, skill enhancement and value enrichment. Since its inception in 1983, it has grown into a full-fledged institution with over 30 UG and PG programs catering to 3500 students with 130 faculty members. The college was reaccredited by NAAC with A+ Grade "College with Potential for Excellence" (CPE) by UGC and has also been conferred 'Autonomous' status in 2015. The institution has always maintained high academic standards and ensures a conducive learning environment with necessary infrastructure. Envisaging a holistic education, a plethora of choice based curricular and extra-curricular activities are offered to enhance their employability skills. The accolades are a testimony to the growing reputation of the college as a leading Institution of higher education in the state of Telangana.

ABOUT THE DEPARTMENT:

The Department of Statistics at St. Ann's College made a humble beginning in the year 1987 by introducing Statistics subject as an optional subject in B.Sc. program with around 25 students which reached to above 350 students. The faculty is actively involved in research, co-authoring/editing text books, presenting papers in various conferences, taking up the consultancy works for statistical analysis of data for Ph.D. thesis/ dissertations/ MRP/paper publications, etc. The subject Statistics is ubiquitous, finding its applications in almost every domain. The department takes lead in organizing academic programs like Conferences, Seminars, FDPs, Student Fests, etc. Alumni of the department are positioned in prestigious organizations, bringing accolades to the department and the college.

ABOUT THE COLLEGE:

St. Pious X Degree & PG College for Women is a Catholic minority Institution established and administered by the Society of Catechist Sister of St. Ann, Hyderabad, under the article 30(1) according to the Constitution of India. St. Pious X Degree & PG College for Women was established in the year 1993 by the women visionaries, governed by women for the empowerment of the women, it strives to accomplish its vision effectively through Good Governance. 30 years of relentless effort towards bringing a change in Higher Education especially for women has proven us to be an A+ institution, as Re-accredited by NAAC (Third Cycle) with 3.38 CGPA in 2023. It is affiliated to Osmania University and is recognized by UGC under 2(f) and 12(B) and approved by AICTE. In July 2023 the college was conferred with UGC Autonomous status.

ABOUT THE DEPARTMENT:

Department of Statistics is providing quality education since 2000. It offers B.Sc Statistics with Mathematics, Computer Science and Data Science combination.
The Department is driven by considerations of quality and committed faculty and is ever-ready to design innovative instructional methodology. Research culture is encouraged for both Faculty and students in organizing and attending various events. The Department also engages the students in various academic activities and promotes collaborative learning.

ABOUT FDP:

This FDP has been designed to address the needs and requirements of the faculty members and industry professionals to enhance their level of understanding, knowledge and practical application of Multivariate techniques in different functional areas. This FDP will help in teaching learning process and formulating appropriate strategies to solve the business problems using Multivariate Techniques.

OBJECTIVES OF FDP:

- To explore various Multivariate Data Analysis methods like Factor Analysis, Cluster Analysis, PCA, LDA.
- To provide practical hands-on experience in understanding the process of conducting analysis to various data sets.
- Expose participants to a set of multivariate statistical tools and qualitative research methodology that would help to undergo research in various domains - Management, Business, Social Sciences, Life Sciences, etc.

PEDAGOGY:

The program delivery will have a mix of lectures, demonstrations, PPT presentations, interactive sessions and hands-on training using R.

Participants/Potential Beneficiaries

- Academicians - Faculty & Research Scholars
- Corporate Professionals

CHIEF PATRONS

1. **Dr. Sr. A. Vijaya Rani, Principal, St.Ann's College for Women**
2. **Rev. Dr. Sr. Velangini Kumari, Principal, St. Pious X Degree & PG College for Women**

SCHEDULE OF FDP:

DAY 1: (11th Mar 2024) Principal Component Analysis, Factor Analysis
Resource Person: Dr. M. Raghavender Sharma, Sr. Assistant Professor, Department of Statistics, Osmania University, Hyderabad.

DAY 2: (12th Mar 2024) Cluster Analysis & Linear Discriminant Analysis
Resource Person: Dr. Raghunadh Acharya, Senior Consultant, Envision technologies, Associate Professor, Statistics, Hindi Maha Vidyalaya, Hyderabad.

DAY 3: (13th Mar 2024) Multivariate Regression Analysis
Resource Person: Dr. R. Vishnuvardhan, Associate Prof. Dept. of Statistics, Pondicherry Central University, Puducherry.

DAY 4: (14th Mar 2024) Logistic Regression Analysis
Resource Person: Dr. R. Vishnuvardhan, Associate Prof. Dept. of Statistics, Pondicherry Central University, Puducherry.

DAY 5: (15th Mar 2024) Simulation and Clustering Techniques
Resource Person: Dr.Ameen Saheb Shaik, Assistant Professor, Anurag University, Hyderabad

DAY 6: (16th Mar 2024) Classification Techniques
Resource Person: Dr. Saptarshi Das, Co-founder @ UNP Education, Head- Decision Science @ Shell

ORGANIZING COMMITTEE:
Conveners : Dr. D. Srikala, HOD Statistics, St.Ann's College for Women &
Mrs.M.Anitha , Head, Department of Statistics St.Pious X Degree and PG College for Women
Members:
St.Ann's College for Women : Ms.B.Deepika, Ms.K.Anjanee,Ms.M.Monika,Ms.M.Anusha
St.Pious X Degree and PG College for Women: Mrs.K.Ramya

DETAILS:

Dates: 11th -16th March 2024

Timings- 1:30pm to 3:30pm

Mode of Conduct: Online

REGISTRATION:

Registration Link:
https://forms.gle/rm6XVbwVKoV7nyaj2

Registration Amount: Rs.500/-

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CONTACT DETAILS FOR ANY QUERIES:

- Mrs. B. Deepika, Assistant Professor Department of Statistics,
St. Ann's College for Women
Ph No. : 96404 18792

- Mrs. M. Anitha
Department of Statistics,
St. Pious X Degree & PG College for Women
Ph No. : 81797 17914

** The certificates will be issued to the participants on successful completion of the FDP.