FIVE DAY NATIONAL FDP

ON

Statistical Perspectives of Artificial Intelligence and Machine Learning with Python

(ONLINE)

17th - 21st February 2025

JOINTLY ORGANISED BY

St. Ann's College for Women, Autonomous

Affiliated to Osmania University Re-Accredited by NAAC with 'A' Grade (CPE by UGC) Mehdipatnam, Hyderabad

&

Mount Carmel College, Autonomous

Affiliated to Bengaluru City University Re-Accredited by NAAC with 'A+' Grade Vasanthnagar, Bengaluru

In collaboration with

Xavier Board of Higher Education in India (XBHEI)

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 (4th Cycle) "College with Potential for Excellence" (CPE) by UGC. 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 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 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 department's curriculum is centered on providing the students' knowledge and opportunities to obtain placements. The department takes lead in organizing academic programs like Conferences, Seminars, FDPs, Student Fests, etc. The department focuses on outreach activities which include awareness programs and training sessions for under privileged school children. Alumni of the department are positioned in prestigious organizations, bringing accolades to the department and the college.

ABOUT THE COLLEGE:

Established in the year 1948, Mount Carmel College (MCC) is run by Carmelite Sisters of St. Teresa and is a premier institution for education in India. The college envisages a life-oriented education that would empower the students to be the agents of transformation and development at different levels of life. MCC has consistently set benchmarks in quality education in shaping generation of students into confident, compitent and compassionate leaders. The College was granted Autonomous status in 2005 and is affiliated to Bengaluru City University. MCC is re-accredited with A+ Grade by National Assessment and Accreditation Council. It is one of the Colleges in India selected by UGC under the scheme, College with Potential for Excellence (CPE). The college offers 45 undergraduate and 21 post graduate programs, along with Ph. D. research opportunities. It reflects the dynamism and energy of this fast growing Indian metropolis. MCC has always been the forerunner of constructive changes to help generations enrich knowledge and enhance skills to match the pace of the world

ABOUT THE DEPARTMENT:

The Department of Statistics and Analytics envisions to empower students with analytical and logical abilities through skill based education since its establishment in the year 1989. The department offers undergraduate programs B.Sc. (EMS) and B.Sc. (Data Science) in association with department of Computer Science, Economics and Mathematics . The faculty handle courses for many post graduate programs. The Department constantly endeavours to render its courses with a blend of practical and conceptual knowledge coupled with experiential learning through continuous engagement with the Industry and its Alumnae.

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 AI and ML. It will also help in bridging the gap between Statistical Theory and it's Applications.

OBJECTIVES OF FDP:

- Understand the statistical foundations of AI and ML
- Learn to implement statistical models in Python
- Gain hands-on experience in exploratory data analysis (EDA), hypothesis testing, and predictive modeling
- Bridge the gap between statistical theory and AI/ML applications

PEDAGOGY:

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

Participants/Potential Beneficiaries

- Academicians – Faculty & Research Scholars
- Corporate Professionals

CHIEF PATRONS

1. **Dr. Sr. A. Vijaya Rani**, Principal, St. Ann's College for Women Mehdipatnam, Hyderabad
2. **Sr. M. Albina**, Director, MCC & Secretary, MCES

PATRONS

1. **Dr. George Lekha**, Principal, Mount Carmel College, Autonomous, Bengaluru
2. **Sr. Maria Rani**, Correspondent, St. Ann's College for Women, Hyderabad

SCHEDULE OF FDP:

DAY 1: (17th February 2025)
Introduction to Statistical Foundations of AI and ML

DAY 2: (18th February 2025)
Descriptive and Inferential Statistics

Resource Person - (Day 1 and Day 2)
Sri Advaith Reddy, Data Scientist, ExcelR, Hyderabad

DAY 3: (19th February 2025)
Statistical Models in Machine Learning

DAY 4: (20th February 2025)
Statistical Learning and AI Applications

DAY 5: (21st February 2025)
Visualization and Unsupervised ML Methods

Resource Person - (Day 3, 4 and 5)
Ms. Vandita Bansal, Guest Faculty, Mount Carmel College, Autonomous, Bengaluru. (Worked as Data Scientist at McKinsey, Barclays and TCS)

ORGANIZING COMMITTEE MEMBERS:
ST ANN'S COLLEGE FOR WOMEN, AUTONOMOUS

- Dr. D. Srikala, HoD, Dept. of Statistics
- Ms. K. V. N. S. Anjanee Gayatri, Asst Prof. Dept. of Statistics
- Ms. M. Monika Sai, Asst Prof. Dept. of Statistics
- Ms. A. Keerthana, Asst Prof Dept. of Statistics

MOUNT CARMEL COLLEGE, AUTONOMOUS

- Dr. Lakshmi S. K, Dean of Natural & Applied Sciences, Dept. of Statistics and Analytics
- Dr. P Bavithra Matharasi, Associate Professor, Dept. of Computer Science
- Ms. Ambika C, HoD, Dept. of Statistics and Analytics
- Ms Chandana J, Lecturer, Dept. of Statistics and Analytics

CONVENERS:

1. **Ms. B. Deepika**, Assistant Professor, Dept. of Statistics, St. Ann's College for Women, Mehdipatnam, Hyderabad.
2. **Dr. Mamata Shiva Shankar**, Associate Professor, Dept. of Statistics and Analytics, Mount Carmel College, Autonomous, Bengaluru.

DETAILS:

Dates: 17th –21st February 2025

Timings- 1:30 PM to 4:00 PM

Mode of Conduct: Online

REGISTRATION:

Registration Link:

Click here to Register!

Registration Amount: Rs.500/-

** Scan the QR code for payment or Make the payment to 9030888792

FOR ANY QUERIES CONTACT:

- Ms. B. Deepika, Assistant Professor Department of Statistics, St. Ann's College for Women, Mehdipatnam, Hyderabad
Ph No – 9640418792

- Dr. Mamata Shiva Shankar, Associate Professor Department of Statistics and Analytics, Mount Carmel College, Autonomous, Bengaluru
Ph No – 9663487990

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