

THREE-DAY WORKSHOP ON THE OCCASION OF WORLD STATISTICS DAY  
ON  
**“STATISTICS IN DATA SCIENCE AND MACHINE  
LEARNING”**



*Organized By*  
*Department of Mathematics and Statistics*  
*&*  
*Mathematics and Computing Program (Dept. of CSE)*  
*29 – 31 October, 2025*  
*Venue : A 206, A Block*  
*Ramaiah Technology Campus, Peenya, Bengaluru*

## ABOUT THE WORKSHOP

Statistics serve as the fundamental foundation of both data science and machine learning (ML). They offer the mathematical structure necessary for collecting, analyzing, interpreting, and presenting data, which is crucial for developing and assessing effective machine learning models and drawing trustworthy conclusions from data. This workshop aims to highlight the importance of both theoretical and applied statistics, including exploratory data analysis, data visualization, inferential statistics, probabilistic modelling, Reliability, and Bayesian thinking in uncertain environments, for data science and machine learning using SPSS, R, and Python.

## ABOUT THE DEPARTMENT OF MATHEMATICS AND STATISTICS

The Department of Mathematics and Statistics, established in 2014, enhances analytical and reasoning skills through student-centric teaching. It offers M.Sc. in Mathematics and Ph.D. programs, encouraging independent thinking and lifelong learning. During the M.Sc. program, students may choose to specialize in Fluid Mechanics, Statistics, or Machine Learning. The department brings together a team of highly qualified and research-focused faculty. It covers diverse areas, including Differential Geometry, Number Theory, Graph Theory, Analysis, Fractional Differential Equations, Fluid Mechanics, Wavelet Analysis, Solid Mechanics, and Statistics. Actively engaged across sciences, engineering, management, social sciences, and pharmacy, it bridges theory and practice through interdisciplinary collaboration, fostering academic excellence and societal impact.

## ABOUT THE MATHEMATICS & COMPUTING PROGRAM (DEPT. OF CSE)

The Mathematics and Computing program provides a powerful interdisciplinary foundation, meticulously integrating rigorous mathematical theory with advanced computational techniques. This unique blend prepares our students to confidently tackle complex challenges in rapidly evolving fields such as technology, finance, data science, and Artificial Intelligence, and the emerging domain of Quantum Computing. Furthermore, the department actively fosters global collaboration through partnerships with leading institutions such as the Massachusetts Institute of Technology (MIT) and the University of Illinois, ensuring a truly world-class education that positions our graduates for success on the global stage.

## **PATRONS**

**Dr. M. R. Jayaram**, Hon'ble Chancellor

**Prof. Kuldeep Kumar Raina**, Vice Chancellor

**Prof. R. V. Ranganath**, Provost (Engineering & Allied Sciences)

**Prof. Sarat Kumar Maharana**, Professor and Dean - Faculty of Engineering Technology, (I/C) - Training, Placement and Career Services

## **HEAD(S) OF THE DEPARTMENT (S)**

**Dr. Somashekhara G**

Professor & Head, Dept. of Mathematics and Statistics

**Dr. Rinki Sharma**

Professor & Head, Dept. of Computer Science & Engineering

## **ORGANIZING COORDINATORS**

**Dr. Subramanyam T**

Assistant Professor, Dept. of Mathematics and Statistics

**Dr. Jyothi A P**

Associate Professor and Head of Mathematics & Computing Program (Dept. of CSE)

## **FACULTY COORDINATORS (DEPT. OF MATHEMATICS & STATISTICS)**

**Dr. Anupriya Jha**, Assistant Professor

**Dr. Sandeep Kumar**, Assistant Professor

**Dr. Preetham M P**, Assistant Professor

**Dr. Manohara G**, Assistant Professor

**Dr. Akash Goravar**, Assistant Professor

## **FACULTY COORDINATORS (DEPT. OF COMPUTER SCIENCE & ENGINEERING)**

**Ms. Shaista Tarannum**, Assistant Professor

**Ms. Padma R**, Assistant Professor

**Ms. Praneetha G N**, Assistant Professor

**Ms. Madhushree**, Assistant Professor

**Ms. Shilpa H H**, Assistant Professor

## RESOURCE PERSONS

**Dr. Kantha Rao**, *Principal Scientist, CSIR-4PI, Bengaluru*

**Dr. R. P. Suresh**, *Professor of Practice, VSU (Ex. Data Science Principal Director, Accenture Analytics), Bengaluru*

**Dr. Sudeesh Kumar K.**, *Associate Professor, Indian Statistical Institute, Chennai.*

**Dr. S. Y. Babu**, *General Manager & Technical Leader, Global Data Insights and Analytics, Ford Motor Company, Chennai.*

**Dr. R. Vishnu Vardhan**, *Professor, Dept. of Statistics, Pondicherry University (A Central University), Puducherry.*

**Dr. Deepak A. S.**, *Associate Professor of Analytics, TAPMI, Manipal Academy of Higher Education, Bengaluru.*

**Dr. N. D. Gangadhar**, *Professor, Dept. of CSE, M.S. Ramaiah University of Applied Sciences, Bengaluru.*

**Dr. Jyothi A. P.**, *Associate Professor and Head, Dept. of CSE, M.S. Ramaiah University of Applied Sciences, Bengaluru.*

**Dr. Subramanyam T.**, *Assistant Professor, Dept. of Mathematics and Statistics, M.S. Ramaiah University of Applied Sciences, Bengaluru.*

## REGISTRATION FEE

**Faculty/Researchers/Students (Offline) : Rs. 250**

**Faculty/Researchers/Students (Online) : Rs. 150**

*All registered participants will receive a workshop registration kit, snacks, lunch, and a participation certificate. Online participants will receive e-certificates*

**SCAN OR CLICK TO REGISTER**

