

# Online Training Programme on Statistics for Machine Learning, Data Science, and Artificial Intelligence



Organized by MTTS Trust  
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## Introduction

The MTTS Trust, well-known for its pioneering contributions in Mathematics Education, is launching a new initiative, entitled **Online Training Programme on Statistics for Machine Learning, Data Science, and Artificial Intelligence**. Aimed at bridging the gap between theory and practice, the programme will train students to analyze and interpret data using real-world datasets while equipping them with essential mathematical and statistical foundations for successful careers in Machine Learning ML, Data Science, and Artificially Intelligence in both industry and academia. The curriculum for the programme has been developed after extensive discussion with leading experts from industry and academia.

In line with the MTTS pedagogy, the curriculum integrates lectures, discussions, lab sessions, and projects to provide an interactive, hands-on learning experience for motivated undergraduate and postgraduate Mathematics students. All data analysis will be conducted using the R programming language.

## Aim of the Programme

- To bridge the gap between theoretical concepts and real-world applications by training students to analyze and interpret data using data sets that are of industrial importance and societal relevance.
- To equip students with the statistical and mathematical skills necessary for pursuing careers and advanced studies in Machine Learning (ML), Data Science (DS), and Artificial Intelligence (AI).
- This training is **NOT** a course on ML/DS/AI; rather, it is a statistics foundation course for these advanced topics.

## Academic Programme

- The programme is designed in the true spirit of MTTS teaching pedagogy.
- There will be total **Twenty-Four (24)** sessions during the entire programme span
- Each session consists of a 90-minute interactive lecture
- All lectures will be conducted on weekends (Saturday and Sunday)
- Every lecture will be followed by a group discussion and hands-on session of 1.5 hours.
- The lectures and discussion sessions will be assisted by experienced mentors.
- There will be Capstone projects at the end followed by group presentations.

## Eligibility & Selection

- 5<sup>th</sup>/6<sup>th</sup> Semester Undergraduate students with Mathematics as a main subject.
- 1<sup>st</sup>/2<sup>nd</sup> Semester Postgraduate students in Mathematics
- The selection will be on merit, based on a consistent and good academic record
- Submission of a mandatory recommendation from a professor closely acquainted with the candidate
- Total number of seats: 60**

## How to Apply?

Students should apply online through the programme webpage: <https://mtts.org.in/stml2501>

## Registration Fee

A non-refundable registration fee of Rs. 3000/- will be charged from the selected students.

## About MTTS Trust

MTTS TRUST is a non-profit educational trust. The Trust has been organizing one of the most effective mathematics training programmes known as MTTS Programmes for students and teachers in the country with the support from the National Board for Higher Mathematics (NBHM). For more details on the MTTS Trust, visit <https://mtts.org.in/mtts-trust>

## Important Dates

Start of the application	<b>September 05, 2025</b>	Intimation of Selection	<b>September 30, 2025</b>
Last date for application	<b>September 25, 2025</b>	Last date for payment of Registration Fee	<b>October 03, 2025</b>
Last date for receiving recommendation	<b>September 27, 2025</b>	Commencement of the Programme	<b>October 11, 2025 (4:30 PM)</b>

## Programme Director

Professor S. Kumaresan  
(Formerly University of Hyderabad and  
Director of MTTS Programmes)

## Coordinators

Dr. Amiya R. Bhowmick (ICT Mumbai)  
Dr. Hare Krishna Maity (Aliah University)  
Dr. Ayon Ganguly (IIT Guwahati)

## Contact details

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