



THIAGARAJAR COLLEGE OF ENGINEERING

MADURAI - 625 015.

Faculty Development Program
On

Machine Learning approaches for Engineering Applications

(Offline mode with Hands on)

25th and 26th March 2022



Organized by,
Department of Mechatronics Engineering

THIAGARAJAR COLLEGE OF ENGINEERING

(A Govt. Aided, Autonomous Institution affiliated to Anna University)

MADURAI - 625 015 TAMILNADU

www.tce.edu.

CONVENER

Dr. M. Palaninatharaja
Professor and Head
Department of Mechatronics Engineering.
Thiagarajar College of Engineering
Madurai - 625 015, Tamilnadu.

CO-ORDINATORS

Prof. H. Ramesh.
Prof. S. Julius Fusic
Assistant Professor
Department of Mechatronics Engineering.
Thiagarajar College of Engineering
Madurai - 625 015, Tamilnadu.

Mobile: +91-9486633256, +91-8610059487

E-Mail: rameshh@tce.edu, sjf@tce.edu

Virtual Lab Tour: <https://youtu.be/Nqaa0z17VWc>

Important Dates

Last date for receiving application : 20.03.2022
Selection Intimation to Participants : 22.03.2022
(through E-Mail only)

REGISTRATION FEE

- ✓ Numbers of seats are limited.
- ✓ Registration Fee **Rs. 500 + GST**
- ✓ Online registration process to be followed to pay the Registration fee.
- ✓ Registration through online mode via Google form as,
<https://forms.gle/btRT7CA5hsqAFRX6>
- ✓ Selection on first come first serve basis.
- ✓ Selected candidates will be intimated by e-mail only.

Registration Process

Programme Fee: Rs. 590 (Inclusive of 18% GST)

Step 1: Complete your Payment: i) Click the link given
(or) Search <https://eazypay.icicibank.com/>

ii) Type "T C E" with Space (as mentioned) in the
"Enter Institute Name"

iii) Select the Last Option * ("T C E SOUVENIOR")
from the Drop-down menu.

iv) Enter the Required Information

v) (Email id, Mobile number, Name, College Name,
Department, Designation, Workshop Registration fee)

Step 2: Pay the fees of Rs.590/-. Note down the
eazypay Transaction ID /Reference No. and save copy
of the receipt.

Step 3: Update Google Form with Transaction ID and
Reference Number

Step 4: Submit Google Form for your Registration

ELIGIBILITY

Faculty members from all the discipline are eligible to
attend the program.

HOW TO APPLY

Registration form duly filled, in the prescribed format
in online through google form, should reach the
coordinators on or before 20.03.2022. The selected
participants will be intimated through E-Mail.

Thiagarajar College of Engineering

Thiagarajar College of Engineering (TCE),
Madurai is a government aided Institution, affiliated to
Anna University. TCE is one among the several

educational and philanthropic institutions founded by Philanthropist and Industrialist Late. Shri. Karumuttu Thiagarajan Chettiar. TCE was established in the year 1957 and granted Autonomy in the year 1987. TCE is funded by Central and State Governments and Management.

TCE has been accredited by the National Board of Accreditation in the years 1998, 2005, 2014 and 2016, 2021. TCE offers Nine undergraduate programmes, ten Postgraduate programs and doctoral programs in Engineering, Science and Architecture. TCE is one of the recognized QIP centres from 2012 onwards.

NIRF: 71st RANK

About the Department

Vision:

‘Be a globally renowned school of engineering in mechatronics’.

Mission:

As a department, we are committed to

- Develop ethical and competent engineers by synergizing world class teaching, learning and research.
- Establish state-of-art laboratories and to provide consultancy services to fulfill the expectations of industry and needs of the society
- Inculcate entrepreneurial qualities for creating, developing and managing global engineering ventures
- Motivate the students to pursue higher studies and research

The Department of Mechatronics was established in the year of 2016. Mechatronics department has been accredited by the National Board of Accreditation in 2021 for 3 years. At present, the Department offers B.E. Mechatronics Program. The

Department aims at producing talented Mechatronics engineering specialists who cater to the needs of the relevant industries. The faculty members are doing research projects from major funding agencies such as DST, UGC, CVRDE, ISHRAE and AICTE. State-of-the art facilities in various laboratories encourage students to carry out research in the areas of Sensors, Internet of Things (IoT), Automation and Control, Robotics, Embedded System and MEMS.

SPEAKERS

Dr. R. Vishnu Vardhan,
Associate Professor,
Department of Statistics,
Pondicherry University,
Puducherry.

COURSE CONTENTS

Session I and II:

- Introduction to R and Data visualization
- Hypothesis testing
- Predictive Modelling
- Variable selection and Partial least squares.
- Logistic regression
- Support vector machines
- Decision trees
- Cluster Analysis.
- Mechatronics problem solving
- Hands on using R tool in Engineering application

Registration Form



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Name :

Address:

.....

Department:.....

Institution :

Year :

Phone :..... Mobile :.....

E-mail:.....

Registration Fee:.....

Date.....

Signature of the Participant