

**SENGAMALA THAYAR EDUCATIONAL TRUST
WOMEN'S COLLEGE (AUTONOMOUS)**

(SILVER JUBILEE INSTITUTION)

(Affiliated to Bharathidasan University, Thiruchirappalli)

(Accredited by NAAC)

**SUNDARAKKOTTAI, MANNARGUDI – 614 016,
THIRUVARUR (DT.), TAMIL NADU, INDIA.**



**A TWO DAY NATIONAL LEVEL WORKSHOP
ON
“EMERGING RESEARCH TRENDS IN
DATA ANALYTICS AND MACHINE LEARNING”**



Venue: Conference Hall,

Vivekanandham Block

Dates: 23.02.2026(Monday) &

24.02.2026 (Tuesday)

Time: 10.00 a.m



Organized by

Department of computer Applications

in association with IQAC





PROGRAMME

DAY 1: DATE: 23.02.26 (MONDAY)

Registration: 8.30 A.M -9.30 A.M

INAUGURAL SESSION: 10.00 A.M – 11.00 A.M

Thamizhthaai Vazhthu

Invocation : Dignitaries

Welcome Address : Ms.P.RANI, M.C.A., M.Phil.
Assistant Professor & Head,
Department of Computer Applications,

HONORING THE GUEST

Inaugural address : Dr.N.Uma Maheswari
principal ,
S.T.E.T. Women's College(Autonomous),
Sundarakkottai,Mannargudi.

Presidential Address : Dr.M.V.Srinath
Director,
Department of Computer Applications
S.T.E.T Women's college(Autonomous)

Keynote Address : Dr. G.Zayaraz ,
Professor,
Department of CSE,
Puducherry Technological University,
Pondicherry, India.

Tea Break-11. 15. a.m -11.30 a.m

Technical session - I: 11.30 a.m - 12.45 p.m

**Topic: Deep Learning Demystified: From Simple Neurons to Deep
Neural Models**

Resource Person : Dr. G.Zayaraz ,
Professor,
Department of CSE,
Puducherry Technological University,
Pondicherry, India.

Lunch Break-12.45 p.m - 1.30 p.m



Technical Session –II:1.45 p.m – 3.00 p.m

Topic: Building Gen-AI-Powered Analytics with LangChain

Resource Person : Mr. B.Raja, B.E., M.Tech(Ph.D)

Founder &CTO

Likeon Tech Pvt Ltd

Day II Date: 24.02.2026(Tuesday)

Technical Session –III:10.00 a.m--11.00 a.m

Topic: Real life Applications of AI Tools

Resource Person : Mr. R.Ramkumar

Director,

CBLAZE INFOTECH Pvt. Ltd.Chennai.

Tea Break:11.00 a.m-11.30 a.m

Technical Session –IV:11.30 a.m--12.45 p.m

Topic: Machine Learning Techniques for Modern Data Analysis

Resource Person : Dr. S.Arulselvarani

Head of the Department,

Department of CA,

Urumu Dhanalakshmi College, Trichy.

Lunch Break: 12.45 p.m-1.30p.m

Valedictory Session: 2.00 p.m – 3.00 p.m

**Welcome address : Dr.V.Alamelu Mangayarkarasi,
Associate Professor,**

**Report of the Workshop : Ms.P.Rani
Assistant Professor and Head
Department of Computer Applications**

**Valedictory Address : Dr.M.V.Srinath
Director
Department of Computer Applications
S.T.E.T Women's College(Autonomous)**

Feedback : Participants

Certificate Distribution : Dignitaries

**Vote of Thanks : Ms.S.Riswana Banu
Assistant Professor**

National Anthem



ORGANIZING COMMITTEE

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Correspondent

PATRON

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Assistant Professor & Head,

Department of Computer Applications,

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Assistant Professor

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Assistant Professor

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Assistant Professor

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Assistant Professor

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Assistant Professor

Ms. M. Mathivathani ., M.C.A., M.Phil.,

Assistant Professor

Ms.T.Puthumalar M.C.A.,

Assistant Professor

All are cordially invited



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CORRESPONDENT,

PATRON

Dr.N.Uma Maheswari, M.Sc., B.Ed., Ph.D.,
PRINCIPAL,

S.T.E.T Women's College (Autonomous), Mannargudi

ORGANIZING SECRETARY

Dr. M.V.Srinath

Director & Associate Professor,
Department of Computer Applications,
S.T.E.T Women's College (Autonomous), Mannargudi.

Ms P.Rani

Head & Assistant Professor,
Department of Computer Applications,
S.T.E.T Women's College (Autonomous), Mannargudi.

EXECUTIVE COMMITTEE

Dr.V.Alamelu Mangayarkarasi, MCA.,M.Phil.,SET.,Ph.D.,
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Ms.T.Maheswari, MCA., M.Phil.,
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Ms.M.Mathivathani, MCA., M.Phil.,
Ms.T.Puthumalar, MCA.,

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Department of Computer Applications, NIT,Tiruchirappalli.

Dr.A.Adhiselvam , Professor and Head,
Department of Information Technology,

Dr.N.G.P Arts and Science College, Coimbatore.
Dr.T.Padma, Professor and Director,
Department of Computer Applications,
Sona College of Technology, Salem.

For Further Details Contact

Ms.P.Rani, M.C.A., M.Phil.,
Head & Assistant Professor,
Department of Computer Applications.

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WOMEN'S COLLEGE
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Sundarakkottai, Mannargudi - 614 016.
E.mail: stetca22@gmail.com
Contact No: 9344234820

Day - I (23.02.2026)

Registration: 8.30 a.m. – 9.30 a

INAUGURAL SESSION

Keynote Address

TEA BREAK

RESOURCE PERSONS

Technical Session : I 11.15 a.m -12.45 p.m

**Topic: Deep Learning Demystified: From
Simple Neurons to Deep Neural Models**



Dr. G.Zayaraz ,
Professor,
Department of CSE,
Puducherry Technological University,
Pondicherry, India.

LUNCH BREAK

Technical Session: II 01.30 p.m -03.00 p.m

**Topic: Building Gen-AI-Powered Analytics with
LangChain**

Mr. V.Sankara Narayanan
Co-founder
LIKEON TECH pvt ltd.,
Chennai.



Day-II (24.02.2026)

Technical Session: III 10.00 a.m -11.00 a.m

Topic: Real life Applications of AI Tools

Mr. R.Ramkumar

Director
CBLAZE INFOTECH pvt ltd.,
Chennai.



Technical Session: III 11.30 a.m -12.45 p.m

**Topic: Machine Learning Techniques for Modern
Data Analysis**



Dr. S.Arulselvarani
Head of the Department,
Department of CA,
Urumu Dhanalakshmi College,
Thiruchirappalli.

Day-II (24.02.2026)

Valedictory Session
2.00 p.m -3.00 p.m



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THIRUVARUR (Dist), TAMILNADU, INDIA.

Phone: 04367-255423 Website : www.stet.edu.in

A TWO DAY NATIONAL LEVEL WORKSHOP
ON

“EMERGING RESEARCH TRENDS IN
DATA ANALYTICS AND MACHINE LEARNING”



ORGANIZED BY

DEPARTMENT OF COMPUTER APPLICATIONS
IN ASSOCIATION WITH IQAC

VENUE : CONFERENCE HALL
VIVEKANANDHAM BLOCK

DATE : 23.02.2026 (Monday)

&

24.02.2026 (Tuesday)

: 10.00 A.M

ABOUT THE INSTITUTION

Empowering the women is empowering the nation. In addition to empowering the family, higher education, particularly for women, is stressed as a national capacity building objective. There has been a paradigm shift in the situation of women's education in metropolitan areas and the significance of this aspect has been appropriately acknowledged. As Women prove their efficiency in various fields, our founder late. Srimathi Krishnaveni, wife of late. Sri Vivekanandan, decided to fulfill the long- felt educational need of the people of Mannargudi and its neighbouring taluks and founded STET Women's College in 1994. As his name suggests, our correspondent Dr. V. Dhivaharan has shed light on education for female pupils, particularly on eradicating illiteracy. The institution offers 16 UG, 13 PG, 4 Ph.D, 1 Diploma and PG Diploma programmes. It has been accredited by NAAC and it is an ISO 9001:2015 Certified Institution. The Institution has attained Autonomous in the year 2020 and attained ranking in NIRF 2024. The Government sanctioned NCC (SW) unit for our college through FSFS scheme. Central Government Scheme. Deen Dayal Upadhaya Grameen Kaushalya Yojana (DDU-GKY) is being conducted to train school dropout students.

ABOUT THE DEPARTMENT

Computer Applications (CA) department commenced in 2001 Offers a two year professional M.C.A (with the approval of AICTE), B.C.A (with the approval of AICTE), PG diploma in Big Data Analytics and B.Sc., Data Science also. So far we have produced more than 360 Undergraduates, 957 Postgraduates and they include 160 University Ranks and 12 Gold Medallists. At present our department functions with 300 students. Department Laboratories are well equipped with recent technologies. Our Faculty Members have been regularly presenting papers in an international and national conference and publishing papers in International and National journals with high impact factor. The department organize conference, Extension activities periodically. We got institutional membership for ICT Academy and by using the same, the student and staff membership have been getting various opportunities for academic enrichments and conduction of Technical sessions

frequently. seminars, Guest lectures, Workshops, Hands on training and Extension activities periodically. We got institutional membership for ICT Academy and by using the same, the student and staff membership have been getting various opportunities for academic enrichments and conduction of Technical sessions frequently.

ABOUT THE WORKSHOP

The workshop on "Emerging Research Trends in Data Analytics and Machine Learning" focuses on introducing participants to recent developments and future directions in data analytics and machine learning. It covers basic and advanced topics such as data analysis techniques, machine learning and deep learning models, big data processing and real-time analytics. The workshop also highlights emerging areas like generative AI, explainable AI and ethical issues in machine learning. Practical applications in areas such as healthcare, finance, smart cities, and cyber security will be discussed to show real-world use cases. Overall, the workshop aims to enhance knowledge, research skills and awareness of current trends in data analytics and machine learning

Topics to be Covered :

- Introduction to Generative AI for Analytics
- Overview of LangChain Framework
- Large Language Models for Analytics
- Data Ingestion and Preprocessing
- Vector Databases and Embedding's
- Retrieval-Augmented Generation (RAG)
- Building Analytical Chains and Agents
- Introduction to Machine Learning in Data Analysis
- Supervised Learning Techniques

REGISTRATION FEE

Students	Rs 300/-
Research Scholar	Rs 500/-
Academicsians	Rs 700/-
Corporates	Rs 1000/-

ONLINE PAYMENT

Net banking (RTGS/NEFT)
A/C Name : STET(W) College
Bank Name : State Bank of India
Branch : Paravakkottai
A/C NO. : 32539855708
IFSC : SBIN0007544



REGISTRATION FORM AT TWO DAY NATIONAL LEVEL WORKSHOP ON "EMERGING RESEARCH TRENDS IN DATA ANALYTICS AND MACHINE LEARNING" 23.02.2026 & 24.02.2026

1. Name :
2. Designation :
3. Department :
4. Address :
5. Phone / Mobile No. :
6. E-mail Id :
7. Registration Category (Tick) :
 - Students
 - Research Scholar
 - Academician
 - Corporate
8. Details of Payment
 - DD/Online/G-Pay :
 - Amount Rs :
 - DD Number :
 - Date :
 - Bank :
 - Branch :

Signature

(Photocopies of the Registration
Form can be used)

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REPORT OF THE NATIONAL WORKSHOP

A Two-day national workshop is organized by the Department of Computer Applications in Association with IQAC. This workshop provides a platform to share knowledge and experiences on Data Analytics and Machine Learning.

In first day, the programme was inaugurated by the Principal Dr.N. Uma Maheswari. The presidential address was given by our Director Dr.M.V Srinath. Key note address was given by Dr.G.Zayaraj, Professor ,Department of CSE,Puduchery Technological University

Technical session I was started on –Deep learning Demystified from simple neurons to deep neural models by the resource person Dr.G.Zayaraj, Professor ,Department of CSE,Puduchery Technological University

Followed by **Technical session – II**: Building Gen-AI Powered Analytics with Langchain by the resource person Mr.B.Raja ,Founder & CTO ,Likeon Tech Private limited,Chennai.

In second day, technical session III was started on Real Life Applications of AI by MR.R.Ramkumar,Director,CBLAZE Infotech Pvt LTD Chennai, followed by **Technical Session –IV** was started on Machine Learning Techniques for Modern by the resource person, Dr.Arulselvarani,Head of the Department ,Department of CA,Urumu Dhanalakshmi College,Thirichirappalli.

In the valedictory session, welcome address was given by the Head of the Department , Report of the workshop was presented by myself Mrs.P.Rani Organizing Secretary and Head of the Department . Totally 150 Students have actively participated in this conference from different destinations.. Principal of the College distributed the certificates to the participants. , S.Riswana Banu executive committee proposed vote of thanks. The workshop came to an end with the national Anthem. I hope this workshop will help to cater the needs of the young talents.