

ABOUT THE INSTITUTION

“Empowering women: Empowering the Nation”. Higher education, especially to women, empowers not only the family but also emphasized as a mission of capacity building of the nation. The significance of this aspect has been rightly recognized and there has been a paradigm shift in the scenario of women education in the urban. Nevertheless, higher education to women in the rural area needs encouragement, because the main source of income is agriculture and per capita income is relatively very low.

In this context, Sengamala Thayaar Educational Trust Women’s College was established at Sundarakkottai, a hamlet in Thiruvavur district, in the year 1994 by Shrimathi Krishnaveni Vivekanandam, who entrusted the task of nurturing the institution to her illustrious son Dr. V. Dhivaharan, now the correspondent with yonder vision for promoting higher education to women students in this downtrodden area. The institution offers 16 UG, 13 PG, 4 Ph.D., PG Diploma and Certificate Programme. Sengamala Thayaar Educational Trust Women’s College is recognized as one of the foremost educational Institutions in India, affiliated to Bharathidasan University, Tiruchirappalli. It has been accredited by NAAC. The institution has attained Autonomous status in the year 2020. The Government sanctioned NCC (SW) unit for our college through FSFS scheme. The institution is committed to academic excellence, research, innovation, skill development, and community engagement. The IQAC ensures quality through regular assessments and audits, while the R&D Cell promotes research and collaborations. The college has strengthened its digital repository through NAD-DigiLocker. A skill development programme under TNSDC in association with Adyar Anandha Bavan Sweets India Pvt. Ltd., promoting rural development through village surveys, awareness programmes, skill training, and community outreach.



ORGANIZING COMMITTEE

CHIEF PATRON

Dr. V. Dhivaharan, M.Sc., D.E.M., Ph.D.,
CORRESPONDENT
S.T.E.T Group of Institutions

PATRON

Dr. N. Uma Maheswari, M.Sc., Ph.D., B.Ed.,
PRINCIPAL,
S.T.E.T Women’s College (Autonomous).

ADVISOR

Dr. K.Thiyagesan M.Sc., Ph.D.,
Academic Advisor,
S.T.E.T Women’s College (Autonomous).

CONVENOR

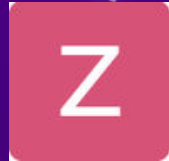
Dr. M.V.Srinath, M.C.A., Ph.D.,
Research Advisor
PG and Research Department of Computer Science, IT, AI&ML

ORGANIZING SECRETARY

Dr.K.Savima, M.Sc.,M.Phil, Ph.D.,
Assistant Professor and Head
S.T.E.T Women’s College (Autonomous)
PG and Research Department of Computer Science, IT, AI&ML

EXECUTIVE COMMITTEE MEMBERS

- Dr.V.Geetha, M.Sc., M.Phil.,Ph.D., B.Ed., Associate Professor
- Dr.R.Anitha, M.Sc, M.Phil., Ph.D., Associate Professor
- Dr.R.Manjupargavi, M.Sc., M.Phil., B.Ed, SET, Ph.D., Assistant Professor
- Dr.N.Subhalakshmi, M.Sc.,M.Phil.,Ph.D. Assistant Professor
- Ms. C.Jasmine, M.Sc.,M.Phil., Assistant Professor
- Ms.V.Mangaiyarkarasi, M.C.A.,M.Phil., Assistant Professor
- Ms.G.Geetha, M.Sc.,M.Phil.,M.Tech Assistant Professor
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- Ms.R.Akilandeswari, M.Sc.,M.Phil., UGC-NET Assistant Professor
- Ms.V. Akilandeswari, M.Sc.,M.Phil., Assistant Professor
- Ms.A.Indhuja, M.C.A.,M.Phil., Assistant Professor
- Ms.K.Lalithadevi, M.Sc.,M.Phil., Assistant Professor
- Ms.V.Bhuvaneswari, M.Sc.,M.Phil.,B.Ed Assistant Professor
- Ms.K.Buvaneswari, M.Sc., Guest Lecturer
- Ms.G.Indhumathi,M.Sc., Guest Lecturer



National Workshop on
Next-Generation Robotics Technologies

ORGANIZED BY
ITPARK OF
PG AND RESEARCH DEPARTMENT OF
COMPUTER SCIENCE, INFORMATION TECHNOLOGY, AND
ARTIFICIAL INTELLIGENCE & MACHINE LEARNING
IN ASSOCIATION WITH
ZAFI ROBOTS PRIVATE LIMITED,
INTERNAL QUALITY ASSURANCE CELL
AND
INSTITUTION’S INNOVATION COUNCIL

on September 24th & 25th 2026



SENGAMALA THAYAAR EDUCATIONAL TRUST
WOMEN’S COLLEGE
(AUTONOMOUS)

(SILVER JUBILEE INSTITUTION)
(Affiliated to Bharathidasan University, Tiruchirappalli)
(Accredited by NAAC)

Sundarakkottai, Mannargudi - 614 018. Thiruvavur (Dt.), Tamil Nadu, India.
Phone: 04367-255423, Website: www.stet.edu.in
VENUE: Conference Hall, Vivekanandam Block
TIME: 10:00 a.m.





ABOUT THE DEPARTMENT

Our department was established in the year 1994 with the programme B.Sc., Computer Science. We offer other programmes such as M.Sc., Computer Science, M.Sc., Information Technology and we started research programmes, M.Phil & Ph.D., from 2011 and B.Sc., AI & ML in 2024. So far, we have produced 3,650 undergraduates, 1,402 postgraduates, 109 M.Phil scholars, and 13 Ph.D. scholars. Our students secured 525 university ranks and 23 gold medals. At present, our department's student strength is 405.

About ZAFI ROBOTS PRIVATE LIMITED

Zafi Robots Pvt. Ltd specializes in the manufacturing of highly intelligent robots tailored to the needs of the Indian market. They have successfully deployed these advanced robots in six districts of Tamil Nadu during the COVID-19 pandemic.



REGISTRATION LINK:

<https://forms.gle/1P584oor2JCGDtXYA>

Student: Rs.300/-

Research Scholar: Rs. 400/-

Scientists/Faculty Members: Rs. 500/-

Corporate Members: Rs. 700/-

Registration includes a kit, certificate of participation, lunch, and refreshments



Gpay number:9344203054

About the Workshop

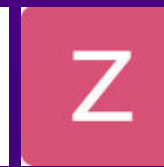
The National Workshop on Next-Generation Robotics Technologies is designed to provide participants with comprehensive knowledge of emerging trends, innovations, and applications in the field of robotics. The workshop aims to bridge the gap between theoretical concepts and practical implementation by exposing participants to cutting-edge robotic systems, intelligent automation, and industry-relevant technologies.

Key Areas

- 1. AI & Robotics**
 - Generative AI for robotics
 - Machine learning and computer vision
 - AI-enabled decision making
- 2. Industrial Robotics & Automation**
 - Robotic arms and manipulators
 - PLC, SCADA and industrial automation
 - Smart manufacturing / Industry 4.0
- 3. Collaborative Robots (Cobots)**
 - Human-robot collaboration
 - Safety systems
 - Applications in manufacturing and healthcare
- 4. Autonomous Robotics**
 - AMRs and AGVs
 - Navigation and SLAM
 - Autonomous inspection and logistics
- 5. Humanoid & Service Robotics**
 - Humanoid robots
 - Healthcare and assistive robots
 - Educational and service applications
- 6. Drones & Robotic Systems**
 - Autonomous UAVs
 - Drone-based inspection
 - Swarm robotics
- 7. Robotics Programming & Simulation**
 - ROS/ROS 2
 - Digital twins
 - Robot simulation and virtual commissioning

Hands-on Sessions

Session	Practical Activity
1	Introduction to robotic arms
2	Robot programming and motion control
3	Computer vision for robotics
4	ROS/ROS 2 basics
5	Autonomous mobile robot navigation
6	AI-enabled robotic applications
7	Cobot programming
8	Mini robotics challenge



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ARTIFICIAL INTELLIGENCE & MACHINE LEARNING**

IN ASSOCIATION WITH
ZAFI ROBOTS PRIVATE LIMITED,
INTERNAL QUALITY ASSURANCE CELL
AND
INSTITUTION'S INNOVATION COUNCIL

Name :

Designation :

Institution Address :

Mobile No. (Whats App) :

Email Id :

Registration Category (Tick) :

Details of the Payment (Tick): DD/ Online/ G-pay

Amount :

DD/UPI Number :

Bank Name :

Branch :

Date :

Signature

(Photocopies of the Registration form can be used)

For further details, contact:



Dr.K.SAVIMA
ORGANIZING SECRETARY
Contact: 9843221984

