



SREE VAHINI INSTITUTE OF SCIENCE AND TECHNOLOGY

FIVE DAYS WORKSHOP ON

“AI AND MACHINE LEARNING IN POWER SYSTEMS”

24<sup>th</sup> to 28<sup>th</sup> March, 2025

Venue: Main Seminar Hall, SVIST

Organized By

Department Of Electrical & Electronics Engineering

Resource Person from

Dr. CH.R.VI KUMR, PROFESSOR, NAGARJUNA  
UNIVERSITY

  
CO-ORDINATOR

  
HEAD OF THE DEPARTMENT  
DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING  
SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY  
TIRUVURU - 521 235, ANDHRA PRADESH

  
PRINCIPAL



**SREEVAHINI INSTITUTE OF SCIENCE & TECHNOLOGY**

**Bypass Road, Sai Vahini Nagar, Tiruvuru-521235, NTR Dt. A.P**

**CIRCULAR**

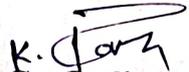
Svist /EEE //2025

D: 21-03-2025

It is planned to conduct a Five-days work shop on "AI and machine learning in power system" for II & III & IV B-TECH Students on 24-03-2025 Hence students are informed programme without fail.

Venue: Main Seminar Hall

Time: 9:30am to 4:30 pm

  
K. Jagan  
Co-Ordinator

  
HOD  
HEAD OF THE DEPARTMENT  
DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING  
SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY  
TIRUVURU - 521 235. ANDHRA PRADESH

  
Principal

Copy to:

1. Faculty circulation
2. Read in all classrooms (II, III, IV B. TECH)
3. Notice Board
4. File



**SREE VAHINI INSTITUTE OF SCIENCE AND TECHNOLOGY**  
**AUTONOMOUS**  
**Tiruvuru (V), Tiruvuru (M), NTR (DT), AP 521235.**

Date: -24-03-2025

From

The Principal, SVIST  
Tiruvuru-521235  
NTR Dt. AP

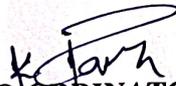
To

Dr. CH.RAVI KUMAR,  
NAGARJUNA UNIVERSITY,  
Respected Sir,

As the Department of EEE is planned to conduct a Five-day's work shop on "AI AND MACHINE LEARNING IN POWER SYSTEM." 24-03-2025 you are requested to depute your team lead named as Dr.CH. RAVI KUMAR resource person for this programme.

Hope you can stretch forth your assistance in this regard.

Thanking you

  
CO-ORDINATOR

  
HOD  
HEAD OF THE DEPARTMENT  
DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING  
SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY  
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PRINCIPAL



## SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY

Approved by AICTE and affiliated to JNTUK

Behind Ganesh Temple, Sai Vahini Nagar, By Pass Road, TIRUVURU- 521235, NTR Dt., A.P.

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visit us: [www.sreevahini.edu.in](http://www.sreevahini.edu.in)

Date: 24-03-2025

To,

Dr.CH.RAVI KUMAR,

NAGARJUNA UNIVERSITY,

Subject: Letter of Appreciation

Dear Sir,

Thank you for your support in conducting the Five Days work shop on "AI AND MACHINE LEARNING IN POWER SYSTEM" an interactive session for sharing entrepreneurial Knowledge as resource person and spending your valuable time with us. The workshop attendees had the unique opportunity to learn from the knowledge imparted and suggestions expressed by you.

We look forward to your continued support and association with Dept. of EEE, SVIST in all our future endeavors.

With warm regards,

  
CO-ORDINATOR

  
HEAD OF THE DEPARTMENT  
DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING  
SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY  
TIRUVURU - 521 235, ANDHRA PRADESH

  
Principal



**SREE VAHINI INSTITUTE OF SCIENCE AND TECHNOLOGY**  
**AUTONOMOUS**

Tiruvuru (V), Tiruvuru (M), NTR (DT), AP 521235.

**Name of the Guest Lecture on** : **AI AND MACHINE LEARNING IN POWER SYSTEM**  
**Department** : **Electrical and Electronics Engineering**  
**Date** : **24<sup>th</sup>-28<sup>TH</sup> MARCH, 2025**  
**Venue** : **Mini Seminar Hall, SVIST**  
**Number of participants** : **74**  
**Resource Person** : **Dr.CH.RAVI KUMAR**

**Objective**

The objective of an AI/ML in Power Systems report is to explore how Artificial Intelligence and Machine Learning enhance grid efficiency,

**Workshop overview**

A Guest Lecture on “AI AND MACHINE LEARNING IN POWER SYSTEM“on was organized by the Department of Electrical & Electronics Engineering Technology through offline mode for II, III B.TECH & IV B.TECH students.

The inauguration of the Guest Lecture started at 10:00 AM in Seminar Hall the dignitaries were **Dr.CH.RAVIKUMAR** Professor, ACHARYA NAGARJUNA UNIVERSITY, Dept of EEE, Organized by Internal Quality

Recent workshops and reports, notably those summarized by institutions like the Pacific Northwest National Laboratory (PNNL) and Argonne National Laboratory (ANL), have focused on identifying promising AI/ML opportunities

**Key Points:**

Predictive Maintenance

Fault Detection & Protection

Grid Stability & Control

Predictive Maintenance

**Key Outcomes:**

- **Advanced Forecasting:** Accurate prediction of energy demand, solar/wind output, and market prices.
- **Grid Stability & Control:** Real-time voltage/frequency control, dynamic stability assessment, and optimal power flow management, crucial for integrating renewables.
- **Early detection of equipment faults** (transformers, generators) using sensor data, reducing downtime and cost

  
CO-ORDINATOR

  
HOD

  
PRINCIPAL

HEAD OF THE DEPARTMENT

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TIRUVURU (V), TIRUVURU (M), NTR (DT), AP 521235, ANDHRA PRADESH



**Department of EEE**

Roll No. 22MG5A0824 Name of the Student: T. Papa Rao.

**FEEDBACK FORM FOR GUESTLECTURE**

Topic: **AI AND MACHINE LEARNING IN POWER SYSTEM**

Name of the Speaker: \_\_\_\_\_

*If you attended the guest lecture, we would like to make sure that the sessions were relevant and useful. Give your appropriate feedback to make the future lectures more beneficial for you.*

➤ Please '✓' the option you find most suitable.

S.No	Particular	Extremely Good	Good	Quite Good	Poor
1.	How was the overall organization of the lecture?	✓			
2.	How relevant was the content discussed by the speaker?	✓			
3.	Are you satisfied with the time and venue?		✓		
4.	How much interesting this session was for you?	✓	✓		
5.	How was your preparation about the topic before the guest lectures?				
6.	Did the lecture cover what you were expecting?	✓			
7.	What is your opinion about the speaker?	✓			
8.	How much this session was useful from the knowledge and information point of view	✓			
9.	Overall effectiveness of the lecture	✓			

**Additional comments and suggestions for future**

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\_\_\_\_\_  
\_\_\_\_\_

Date: 24/3/25.

Thank You