DECLARATION

I declare that the details furnished are true to my knowledge and I agree to abide by the rules and regulations governing the conduct of SERB sponsored programme.

Place:
Date:

Signature

SPONSORSHIP CERTIFICATE

Dr./Mr./Ms.……..is an employee of our Institute / Organization and is hereby sponsored. He / She will be permitted to attend the course, if selected.

Place:
Date:

Signature of the
Sponsoring Authority with the Office Seal

Address for Communication

Dr.V.Gomathi,
Organizing Secretary
DST-SERB sponsored seminar on
Machine Learning in Wireless Sensor Networks: Networking to Application Perspectives
National Engineering College
K.R.Nagar, Kovilpatti,
Thoothukkudi Dist., Tamil Nadu,India
PIN - 628 503
Phone : 0ff : (04632) 222502
8428884480
Contact Nos:9789494954,9789764563

E-mail : hodcse@nec.edu.in

ABOUT OUR COLLEGE

National Engineering College was established in the year 1984. It offers 7 UG, 6 PG and several research programmes leading to Ph.D. degrees in all departments. NEC has several centers of excellence and laboratories. The college has signed MoU with research organizations and industries in order to promote closer interaction with other institutions in the areas of technology development, students training, curriculum updation and development of state -of-art centers. The College has well -equipped laboratories for all branches of engineering and also has close interactions with the leading Industries and IT firms for students training and project works. Due to the excellent academic climate in the campus, UG and PG Students of our college enjoy good campus placement prospects.

ABOUT OUR DEPARTMENT

The department was started in the year 1984. It has stable and experienced staff members. This department is fully equipped with modern Hardware and Software accessibility to cater to the academic needs of students and staff. The entire campus is connected through OFC and sophisticated Internet facilities provided for academic and research work. The credentials of the Department:

- **Provisional Accreditation under Tier –I by NBA, New Delhi for 3 years and accredited by TCS, IE(I)**
- **Recognized Research Centre for Anna University, Chennai.**
- **Organizing the nation-wide AI research Initiative "LeadingIndia.AI" as a lead zonal partner**
- **Sponsored Research Projects and organized advanced topics related conferences/seminars/workshops sponsored by DRDO, DST, DBT, ISRO, IEEE-EPICS, AICTE, CSIR, CSI & IE(I).**
- **Areas of research in the Department at present: Wireless Networking, ADHOC Networking, Sensor Networking, VANET, Network Security, Quantum Cryptography, Machine Learning and Deep Learning.**
- **Research publications in International and National Journals and IEEE Conferences**
- **Recognized CISCO Networking Academy for CCNA**
- **Incubation Centers of RECODEM,AJ&J TECH, ADROIT**
- **Pre -engineering Courses offered by University of Texas Dallas, USA**

DST-SERB Sponsored
Two Day National Level Seminar On
Machine Learning in Wireless Sensor Networks: Networking to Application Perspectives
16-11-2018 & 17-11-2018

Organizing Secretary
Dr.V.Gomathi
Prof& Head/CSE

Convener
Ms.M.JayaLakshmi
AP(SG)/CSE

Coordinator
Mr.K.Maharajan,AP(SG)/CSE

Organized by
Department of Computer Science and Engineering
National Engineering College
K.R.Nagar Kovilpatti, Thoothukkudi
Tamil Nadu - 628 503

OBJECTIVE

The main objective of the seminar is to bring together real-world technology practitioners and researchers to exchange and discuss the outlook taken by the practitioners and researchers to bridge the gap between practical hurdles and academic research on how machine learning principle is used in wireless sensor networks. This seminar covers the overview of machine learning techniques for networking and data processing that were used to address common issues in WSNs. It provides a comparative guide to aid WSN designers in developing suitable machine learning solutions for their specific application challenges. It provides technological solutions to the services to optimise combat effectiveness and to promote well-being of the society in the field of Machine Learning in Wireless Sensor Networks.

TOPICS TO BE COVERED

- Introduction to Machine Learning in the Context of various WSNs applications
- Functional Issues in WSNs and Machine Learning solutions
- Machine Learning Patterns for WSNs
- Machine Learning Techniques for Data Modeling and Predictions
- Localization Adopting Machine Learning Techniques in Wireless Sensor Networks
- Vital Applications to exhaustive monitoring applications

BOARDING & LODGING

Hostel accommodation and food will be provided to all the participants at nominal cost

ELIGIBILITY

- **Faculty and UG & PG Students from AICTE approved Universities, Colleges and Polytechnics.**
- **Personnel from R&D organization and Industry**

REGISTRATION FEE

- **Registration fee of Rs.500/- per participant**
- **Payment by DD drawn in favour of "The Principal, National Engineering College" payable at Kovilpatti along with the application form.**

IMPORTANT DATES

- **Last date for Receipt of Application 09-11-2018**
- **Intimation of Selection (through E-mail) 10.11.2018**

EXPERTS

1. ***Dr.S.CHITRAKALA***
   Associate Professor/CSE
   Anna University, Chennai

2. ***Mr. SUDARSUN SANTHIAPPAN***
   Chief Scientific Officer & Co-Founder
   BuddiHealth Inc,(A ClariTrics Company)
   New York, U.S.A

In addition to the above experts, Resource persons from premier Educational Institutions and Industries will impart their expertise.

National Engineering College
(An Autonomous Institution)

Department of Computer Science and Engineering
K.R.Nagar, Kovilpatti,
TamilNadu – 628 503

DST SERB Sponsored
Two Day National Level Seminar on
Machine Learning in Wireless Sensor Networks: Networking to Application Perspectives
16-11-2018 & 17-11-2018

APPLICATION FORM

Name :

Qualification :

Designation :

Experience : Teaching …… Yrs, Ind …… Yrs

Organisation :

Communication Address

Pin:

Mobile :

E-mail :

Details of Registration Fee:

Draft No……....Dt……..Amt.Rs……

Name of the Bank…….....

Is accommodation required? : YES / NO