



Centre for ERSS Sponsored Workshop on Essence of Emergency Response Support system

6th - 10th April 2022 (HYBRID MODE)

ABOUT NITT:

The National Institute of Technology, Tiruchirappalli (NIT-T), formerly known as Regional Engineering College, Tiruchirappalli (RECT) is one of the technical institutes started by the Government of India. RECT was imparting quality education since its inception - 1964-65. In 2003, the institution has been granted 'Deemed to be University' status with the approval of UGC/AICTE. With a cream of engineering and management talent, encompassing exuberant students and inspiring faculty, integrated with State-of-the-art infrastructure facilities, NIT-T today has emerged as one of the premier institutions in the country.

ABOUT THE CENTRE FOR EMERGENCY RESPONSE SUPPORT SYSTEM:

Emergency Response Support System (ERSS) is the vision of Govt. of India to launch an integrated emergency response system with a single emergency number 112, to address different emergencies of citizens. ERSS is designed to address all emergency signals received from citizens through voice call, SMS, e-mail, panic SOS signal, ERSS web portal etc.

ERSS tracks the rescue and service vehicles of all services (Police, Fire, Health etc.) in real-time on a digital map of the State/UT and hence it will be possible to direct the right vehicle(s) to reach the service requestor and provide necessary support immediately.

SCOPE OF THE TRAINING PROGRAM:

The objective of this course is to cover state-of-the-art research challenges, outline and execution methodologies for the Emergency Response Support system.

COURSE CONTENTS:

- Crime Detection
- Information Security
- Artificial Intelligence methods
- IoT for ERSS
- Emotion detection
- Drones in ERSS

MODE OF DELIVERY:

The sessions will be delivered on CISCO WebEx online platform.

Participants are required to have access to a desktop computer/laptop and stable internet connection to access the sessions.

IMPORTANCE OF THE PROGRAMME:

ERSS is an automated facility being setup for this purpose in the capital cities of all States and UTs, called Public Safety Answering Point (PSAP), will handle all these emergency signals and provide assistance available to the people in distress within the best possible time with the help of Police, Fire & Rescue, Health services etc. Understanding the research challenges under ERSS will be helpful for future enhancement of the project.

TARGET AUDIENCE:

Programme is organized for the Research Scholars, UG and PG students working across various domains in NITT. E-certificate will be provided to attendees of all the session.

RESOURCE PERSON:

Faculty members from NITs and Domain experts from CDAC, Trivandrum with rich experience in teaching, research and laboratory development will be handling the sessions.

REGISTRATION DETAILS: For registration, fill the google form: <https://forms.gle/Jyg6fgHigFK9gtN86> on or before **4th April 2022**. There is **no registration fee** for attending the workshop.

EXPECTED OUTCOME:

Research scholars, UG and PG students will be able to start research in the emerging areas of Emergency Response Support System.

Organizing Chairs

Dr. T. K. Radhakrishnan
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CO-ORDINATORS

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For latest updates, please refer www.nitt.edu.

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