



# Research Internship Program

Supported by CoE in ERSS

May 2022 to July 2022 (3 months)

## ABOUT NITT:

The National Institute of Technology (formerly known as Regional Engineering College) Tiruchirappalli (NITT) was started as a joint and co-operative venture of the Government of India and the Government of Tamil Nadu in 1964 with a view to catering the needs of manpower in technology for the country. NITT is one of the 31 National Institutes of Technology established by the Government of India and ranks First among all the NITs in NIRF during three consecutive years. The institution offers Undergraduate Courses in ten branches and Post Graduate Courses in twenty-one disciplines of Science, Engineering & Technology besides M.S. (by Research) and Ph.D. in all the departments.

Website: <https://www.nitt.edu>

## ABOUT ERSS

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.

## ABOUT THE COE in EMERGENCY RESPONSE SUPPORT SYSTEM:

The CoE in ERSS at National Institute of Technology, Tiruchirappalli, operates with a primary focus on setting up an automated facility for emergency purpose in the capital cities of all States and UTs, called Public Safety Answering Point (PSAP), will handle all the 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. This multi-faceted unique center offers skill development courses, Internships, Research and Development assistance across various sectors.

## SCOPE OF THE INTERNSHIP:

An internship is an opportunity for a student to experience professional development under an actual working environment. It is the expectation of the CoE in ERSS that this is an opportunity for growth in the intern's background and experience.

This research internship programme is designed to work on the projects of 24x7 Effective emergency response services for

Citizens with various services like Automatic location identification of the caller/victim, Dynamic emergency response service from the nearest emergency response vehicle, Fire, Service from Police, Medical and Natural Disaster Management Teams, Emergency service coordination from a centralized control center in State capital/UTs, Live tracking of emergency response vehicles. It provides interns with the opportunity to learn how approaches in design, social innovation, and creative advocacy are applied in the public related services to advance research and well-being. Our broad expertise guarantees an in-depth learning experience and collaborative creation of context-adapted and planet-positive solutions that put people, alongside systems, at the centre of problem-solving.

## Eligibility

2nd Year/3rd Year B. Tech students of CSE/ICE/EEE/ECE of NIT Tiruchirappalli preferably without arrears or backlog or MTech CSE/MTech Data Analytics/MSC Computer Science/ MTech Industrial Automation/ MCA students of NIT Tiruchirappalli.

## Duration

3 Months (May 2022 – July 2022)

## No. of Internships: Stipendiary-08

Non-Stipendiary- No limit (Based on credentials)

## Mode: Offline

For Registration <https://forms.gle/NtrA2qBkkZixYF536>

The selected students will be intimated by 26<sup>th</sup> April 2022 by e-mail.

## Terms and conditions

- ❖ The period of the Training and Skill Internship shall be 3 months.
- ❖ The supervisor to whom the interns are attached would be assigning them tasks/assignments, on which, the intern should work and prepare a report to be submitted.
- ❖ A certificate regarding successful completion of internship shall be issued to the intern by the supervisor and head of the CoE on satisfactory completion of the internship and on submission of the assignment report.
- ❖ Interns not completing the requisite period will not be issued any certificate.
- ❖ The participant will be paid a stipend of Rs. 3000/Month under Stipendiary Category.

## Event Organizer

**Dr. Sishaj P Simon**

Associate Professor,

Department of Electrical and Electronics Engineering, National Institute of Technology, Tiruchirappalli, Tamil Nadu - 620 015

[coeersnitt@gmail.com](mailto:coeersnitt@gmail.com)

## Who can apply?

UG and PG Students of NIT, Trichy

## Important Dates

Last date for registration **25/04/2022**

Initiation of Selected students **26/04/2022**

## Organized by

National Institute of Technology,  
Tiruchirappalli,  
Tamil Nadu - 620 015.

Centre of Excellence in  
Emergency Response Support System,  
CDAC Trivandrum