



# MOHAN RAMASUNDARAM

## DESIGNATION

Assistant Professor  
Flying Officer - Indian Air Force  
Associate NCC Officer

## RESEARCH INTERESTS

- ✓ High Performance Computing
- ✓ Distributed Systems
- ✓ Software Engineering
- ✓ Security Engineering
- ✓ Computer Vision
- ✓ Wireless Sensor Networks
- ✓ Deep Learning

## REACH ME AT

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Tiruchirappalli, 620015.

## ACADEMIC HISTORY

### NIT Tiruchirappalli

PhD | Dept. of CSE

- Area of Specialization: High Performance Computing
- Title of the Thesis: A study of Task Assignment Problems in Distributed systems

### Jadavpur University - Kolkata

M.E | Software Engineering

### Thiagarajar College of Engineering, Madurai

B.E | Computer Science and Engineering

## SPONSORED PROJECTS

### NPOL - DRDO

Co- Principle Investigator

- Duration: 2020 - 2022
- Amount: INR 10 Lakhs

### GTRE - DRDO

Co- Principle Investigator

- Duration: 2021 - 2023
- Amount: INR 15.43 Lakhs

## COURSES HANDLED

- ★ Principles of ML & DL
- ★ Internet of Things
- ★ Data Structures & Algorithms
- ★ Software Engineering
- ★ Operating Systems

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## RESEARCH SCHOLARS

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### FULL TIME - PhD

- **Preeth R (Completed)**
  - Localization Strategies for Wireless Sensor Networks using Soft Computing Techniques
- **Midhula Vijayan (Completed)**
  - Moving Object Detection Techniques for Visual Surveillance Systems
- **Krunal Randive (On-Going)**
  - Image based Feature Representations for Anomaly Classification
- **Ambairam Muthu Sivakrishna (On-Going)**
  - Insider Threat Detection using Machine Learning Techniques



### PART TIME - PhD

- **SSSN Usha Devi (On-Going)**
  - Stock Value Prediction using Deep Learning
- **Shalini (On-Going)**
  - Hyper Graph Learning
- **Hariharan (On-Going)**
  - Image Segmentation Techniques
- **Raghu H (On-Going)**
  - High Performance Computing

### QIP - PhD

- **Mohammed Siyadh (On-Going)**
  - Parallel Architectures

### Co-Guide - PhD

- **Kumaresan G (Completed)**
  - Cellular Automata & Cryptography

### MS by Research

- **Athira A P (Completed)**
  - Moving Object Detection
- **Gunasekaran C (Completed)**
  - Polarization Filter Techniques
- **Shashanka K Srivatsav (On-Going)**
  - Machine Learning

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## PUBLICATIONS

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### Web of Science

<https://publons.com/researcher/3016894/mohandr/>

### Scopus

<https://www.scopus.com/authid/detail.uri?authorId=57201496797>

### NITT - IRINS

<https://nitt.irins.org/profile/93065>

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## BOOKS PUBLISHED

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- ★ Contributed Problem with solutions for Computer Organization and Architecture, 9th Edition, William Stallings, Pearson International Edition.
- ★ Artificial Immune System Based Clonal Classifiers: A New Dimension of Innovation, Scholars Press (2016), ISBN-10: 3659839434, ISBN-13: 978-3659839436.
- ★ Impact of Artificial Intelligence on Bioinformatics, LAP LAMBERT Academic Publishing (2016), ISBN-10: 365988202X, ISBN-13: 978-3659882029.

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## PROFESSIONAL MEMBERSHIP

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- ✓ Member -IEEE