



## SRI RAMAKRISHNA ENGINEERING COLLEGE

[Educational Service : SNR Sons Charitable Trust]

[Autonomous Institution, Accredited by NAAC with 'A' Grade]

[Approved by AICTE and Permanently Affiliated to Anna University, Chennai]  
COIMBATORE-641 022



### DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING

### ORGANIZING

### AICTE - ATAL 5 DAYS FACULTY DEVELOPMENT PROGRAMME (FDP) ON

### EMBEDDING AI IN SMART SENSORS

SAVE  
THE DATE

07.06.2021  
TO  
11.06.2021

### RESOURCE PERSONS

#### NAME

#### ORGANIZATION

|                         |  |
|-------------------------|--|
| > Dr.Gaurav Singal      | Bennett University<br>Uttar Pradesh, India                   |
| > Dr.T.Jai Singh        | Indian Institute of<br>Technology(IIT)<br>Dhanbad, Jharkhand |
| > Dr.V.Karthikeyan      | National Institute of<br>Technology(NIT)<br>Calicut, Kerala  |
| > Dr.G.K.Ragesh         | Adi Shankara Institute of Engg.<br>And Technology, Kerala    |
| > Dr.D.Jude Hemanth     | Karunya University<br>Coimbatore                             |
| > Dr.T.G. Satheesh Babu | Amrita Vishwa Vidyapeetham,<br>Coimbatore                    |
| > Dr.R.Vimalathithan    | Krishtech,<br>Bangalore                                      |
| > Mr.G.Laxminarayanan   | Deloitte,<br>Bangalore                                       |
| > Ms.R.Nishitha         | IIT Madras,<br>Chennai                                       |
| > Mr.K.Manickaraj       | MELZ Indcosys Solutions,<br>Coimbatore                       |
| > Dr.D.Anuradha         | Sri Ramakrishna Engineering<br>College, Coimbatore           |
| > Dr.R.M.Krishnaappa    | Sri Ramakrishna Engineering<br>College, Coimbatore           |
| > Mr.A.Bharanidharan    | Sri Ramakrishna Engineering<br>College, Coimbatore           |
| > Mr.S.Kaushik          | Sri Ramakrishna Engineering<br>College, Coimbatore           |

### THE ORGANIZING INSTITUTION

Sri Ramakrishna Engineering College established in the year 1994 by the sons of Sri S.N.Rangasamy Naidu and had grown into an eminent Institution of international standards to meet the challenges of the modern world. The College is permanently Affiliated to Anna University Chennai and Certified with ISO 9001:2015. The Institution offers 10 Under Graduate B.E/B.Tech. Programmes and 09 Post Graduate M.E/M.Tech./MBA Programmes. The eligible Programmes in the Institution are provisionally accredited by National Board of Accreditation (NBA), New Delhi. The College has been awarded Autonomous Status by UGC and Anna University, Chennai since 2007 which has helped the Institution to design the curricula and syllabi to meet the requirements of the industries. The institution is ranked amongst top 10 colleges in various surveys in South India and top 40 colleges in India.

### THE ORGANIZING DEPARTMENT

- The Department of Electronics and Instrumentation Engineering (UC) was established in the year 2001.
- The department provides Post Graduate Programme in M.E. Control and Instrumentation Engineering since 2013.
- Recognized Research centre for Ph.D programme by Anna University, Chennai.
- The department is accredited by National Board of Accreditation (NBA), New Delhi since 2007.
- The department is equipped with Centre of Excellence for LabVIEW by National Instruments, Bangalore and Industrial Standards Laboratories.
- The department has received funds from AICTE, New Delhi twice for the modernization of Computer Control of Process Laboratory and Transducers & Sensors Laboratory at a cost of Rs 27,35,420/- under MODROBs scheme.
- The Department also received grants from various funding agencies such as CSIR, DRDO, IEEE, ISRO, ISTE, TNSCST & NI etc. at a cost of Rs.75Lakhs.
- Holds well Industry institute interaction in doing consultancy projects for various industries and generated a fund of Rs.45Lakhs.
- Established Center of Excellence in Instrumentation Systems with Melz Indcosys Solutions LLP, Coimbatore.
- Established a start up through ICDC funded by IIM Bangalore in association with DST for the amount of Rs. 25 Lakhs.



Sri Ramakrishna Engineering College  
Coimbatore - 641 022  
Dept.of Electronics and Instrumentation Engineering  
**Organizing**  
**AICTE - ATAL**  
**5 DAYS FACULTY DEVELOPMENT PROGRAMME (FDP) ON**  
**EMBEDDING AI IN SMART SENSORS**

Name : .....

Qualification : .....

Designation & Dept : .....

Organization : .....

Address : .....

.....

.....

.....

Mobile No : .....

Email Id : .....

Experience ( in Years ) :

Teaching  Research  Industry

### DECLARATION BY THE CANDIDATE

The given information is true to the best of my knowledge. I agree to abide by the rules and regulations governing the programme. If selected, I shall attend the programme for the entire duration.

Place:

Date: Signature of the Candidate

Signature of  
Head of the Institution/Department

### TARGET PARTICIPANTS

The faculty members of the AICTE approved institutions, Research Scholars, PG Scholars, participants from Government, Industry (Bureaucrats / Technicians / Participants from Industry etc.) and staff of host institutions.

### SELECTION PROCEDURE

The aspirants/sponsored applicants can submit or send their duly filled in application to the organizing address. Selection will be made by short-listing the aspirant applicants, which will be based upon their experience in teaching and research ( First Come First Serve Basis ) in the above mentioned fields.

**CHAIRPERSON**  
**Dr.N.R.ALAMELU**  
PRINCIPAL

**COORDINATOR**  
**Dr.K.SRINIVASAN**  
HOD-EIE

### ORGANIZING SECRETARIES

|                       |                         |
|-----------------------|-------------------------|
| <b>Dr.B.SHARMILA</b>  | PROFESSOR-EIE           |
| <b>Dr.V.RUKKUMANI</b> | ASSOCIATE PROFESSOR-EIE |
| <b>Dr.V.RADHIKA</b>   | ASSOCIATE PROFESSOR-EIE |
| <b>Dr.D.DEVASENA</b>  | ASSISTANT PROFESSOR-EIE |

*The duly filled application is to be sent to*

**Dr.K.SRINIVASAN**  
HOD-EIE  
SRI RAMAKRISHNA ENGINEERING COLLEGE  
VATTAMALAIPALAYAM, NGGO COLONY POST,  
COIMBATORE - 641022  
Mobile: 9994131400  
Mail Id: hod-eie@srec.ac.in

### ABOUT COIMBATORE



Isha Yoga



Puliyakulam  
India's Largest Vinayagar



Maruthamalai



Siruvani  
World's second tastiest water



Anaimalai



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### ABOUT THE PROGRAMME

In recent days sensor technology in industries is the thrust area of research connecting everything to the smart world. The sensor technology along with Artificial Intelligence (AI) finds its applications in all major industries and R&D organizations involved in automotive, space, instrumentation, and control, Chemical, Medical, hardware and software companies, Process industries and nuclear industries. This ATAL 5 days Faculty Development Programme aims to educate the participants in the field of sensors used in various industrial applications.

### TOPICS TO BE COVERED

- ⦿ IoT Device Classification from Network traffic log using Machine Learning.
- ⦿ Smart Sensors and field devices.
- ⦿ IoT Devices, Sensors and Actuators.
- ⦿ Smart Sensor Applications.
- ⦿ Sensors and Deep Learning.
- ⦿ Nano sensors and sensor fabrication.
- ⦿ AI in Smart Sensors.
- ⦿ Automotive Sensors.
- ⦿ Wearable Sensors in AI.
- ⦿ Industrial IoT.
- ⦿ Expert System in AI.
- ⦿ Yoga for Stress management.
- ⦿ Cloud computing and Big data Analytics.
- ⦿ Demo Session on IoT Devices.