CSIR-CEERI (CSIR - Central Electronics Engineering Research Institute), a constituent Laboratory of CSIR is devoted to R&D, technology-development and academic support (includes Skill Development training /HR) in the field of electronics for the benefit of the society.

Sri Sivasubramaniya Nadar (SSN) College of Engineering is a premier institution in Chennai and achieved excellence in advanced research in information and communication technology.

Important Details

Last Date for Registration: **10.05.2017**
Last date for Fee deposit: **11.05.2017**
Date of commencement: **15.05.2017**
Duration: (200 Hours) **May 15, 2017 to June 23 2017**
Qualification: BE/BTech/Diploma (**BE/ BTech 6th semester students are also eligible)*
Course Fee: ₹. 25,000/-
Payment Details: Online or Demand Draft in favour of "CSIR-CEERI Unit, Chennai " payable at Chennai. *A/C Number*: **30267719891** *Bank: State Bank of India* *Branch: Taramani, Chennai; IFSC:* **SBIN0010673**
Accommodation: *Shared basis, Chargeable*
No. of Seats: 60 (First Come basis)
Venue: CSIR-CEERI Chennai, Chennai

Dr. A. Gopal
Chief Scientist & Scientist-in-charge
CSIR-CEERI Centre, Chennai
CSIR Madras Complex, CSIR Road
Taramani, Chennai-600113, Tamil Nadu, India

Pin:

Website: www.ceerichennai.org
Email: sicceeri@csircmc.res.in

Tel +91 044-22542281
Fax +91 044-22541889

CSIR-CEERI

in technical collaboration with

SSN College of Engineering

Skill Development Course

on

Internet of Things

(for students & Working Professionals)

May 15, 2017 *to* June 23, 2017

N·S·D·C National Skill Development Corporation
Transforming the skill landscape

CSIR -Central Electronics Engineering Research Institute-CEERI

Expected Job Roles

- Embedded systems engineers, Field application engineers, embedded system technician - Trouble shooting of IoT based electronic systems/products
- Entrepreneur - Development of small electronic gadgets based on IoT applications
- Entrepreneur – Development of IoT based systems for smart cities, Intelligent transport systems, Intelligent building systems and environment monitoring & controlling, etc.

Learning Outcomes

- Separate the IoT hype from the reality
- Programming of Raspberry Pi3 and MSP430
- Peripheral interfacing to Raspberry Pi3 and MSP430
- Trouble shooting Raspberry Pi3 and MSP430 based systems
- Linux /Android programming techniques
- Evaluate networking technologies for application within IoT projects
- Trace the relationship between IoT, cloud services and software agents
- Apply effective techniques to create IoT based projects

Salient Features

- 50% Practical and 50% Theory Session as per the course curriculum
- Tutorials (personal attention) & Lectures, assisted with models and multimedia aids
- Interactive Sessions
- Hands-on practical exposure
- Invited Lectures from Professionals/ Industrial experts

Objective of the Course

- To train participants how to design and program the IoT based system with practical hardware (Raspberry Pi3 and MSP430) board using Linux /Android operating system with cloud / server connectivity. Interfacing of external peripherals to Raspberry Pi3 and MSP430 board and networking of IoT devices such as Edge and Gateway devices to the server /cloud along with troubleshooting.

Course Highlights

- Highly focused and in-depth training from the experts - including relevant updates from related research teams
- Scientific research enabled training to maximize competency development
- Lab Trainers and Expert faculty with R&D experienced, and highly accomplished training professionals
- Training outcomes and competency development designed to meet industry and academic specific requirements

Lab Trainers and Faculty

- Experts in the field
- Relevant long term R&D/Industry Experienced
- Executed high level R&D projects
- Expert facilitators and training professionals

Course Coordinator
Dr. K. Solomon Raju
Principal Scientist, CSIR-CEERI, Pilani

Application Form

*1.Name:*_____

2.Gender: *M* *F*

*3.Qualification:*_____

4.Address for Communication:

_____

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_____

_____

*5.E-mail:*_____

*6.Phone:*_____

*7.Mobile:*_____

8.Accommodation required*? Yes/ No*

9. Payment Details:

DD no: ..... Date:

UTR (for online transfer) no:

Bank:..... …….Amount: .....

Place:

Date: *Signature*

For Sponsored Candidate Only

10. Designation/Department: _____

*11. Name of the Institution:*_____

12. Teaching / Industry experience: _____

Declaration

*This is to certify that Dr./Mr./Ms.*_____ *is an employee of our institution and is sponsored to attend a six-week training programme to be conducted at CSIR-CEERI, commencing from May 15, 2017*

Signature of the Head of the Institution
(With office seal and date)