

rediffmail

Mailbox of ahmad_shafeeq

Subject: Workshop on "Designing and Modelling of IoT, AI & ML Systems" from 1st August to 5th August, 2022.

From: All India Council for Technical Education(no-reply) <admin@aicte-india.org> on Sat, 23 Jul 2022 11:02:21

To: ahmad_shafeeq@rediffmail.com

Dear Sir/Madam,

Hope you are doing well!

All India Council for Technical Education (AICTE), Arm Education, STMicroelectronics, with support from Microsoft and NIELIT Calicut are conducting a workshop on "Designing and Modelling of IoT, AI & ML Systems" from 1st August to 5th August, 2022.

In this 5-day workshop, faculty members and nominated students learn about IoT and ML technologies, starting from the fundamentals up to the latest innovations including demonstrations of real-life use cases. After the workshop, faculty members and up to 4 nominated students, who have participated in this workshop, are eligible to enroll in the "The Inventors Challenge" as a team where they can submit ideas on creating the IoT products of the future. The short-listed teams will receive an STM32 board for creating the prototype.

If you are from the electronics, electrical, communication, instrumentation engineering, computer science or information technology community, don't miss out on this opportunity to elevate your skills to the next level. Faculty members can use the knowledge gained on IoT, AI and ML to build a curriculum and have a chance to collaborate with students on a real-life project. While students will be able to use this knowledge in their journey of innovation.

Please note, Faculty members and nominated students must attend all five days in order to receive a digital participation certificate.

For more information on the workshop - Agenda, Speakers, etc.,

<https://community.arm.com/designing-and-modelling-of-iot-ai-ml-systems>

If you have any further queries, please reach out to

Ms. Apurva Varma, Senior Regional Manager-Academic Engagements, Arm Education

E-mail : apurva.varma@arm.com

Ms. Suriya Gunasekaran

E-mail : suriya.gunasekaran@arm.com

Regards,

Dr. Girdhari Lal Garg

Assistant Director

AICTE Training and Learning (ATAL) Academy

All India Council for Technical Education

Nelson Mandela Marg, Vasant Kunj,

New Delhi- 110070

Phone no. :011-29581120

सादर एवं आभार,

डॉ गिरधारी लाल गर्ग

सहायक निदेशक

अटल अकादमी

अखिल भारतीय तकनीकी शिक्षा परिषद

नेल्सन मंडेला मार्ग, वसंत कुंज

नई दिल्ली - ११००७०

दूरभाष : ०११-२९५८११२०

PRINCIPAL
G. Narayanamma Institute of
Technology & Science (for woman)
(AUTONOMOUS)
Shaikpet, Hyderabad - 500 104



G.NARAYANAMMA INSTITUTE OF TECHNOLOGY & SCIENCE (For Women)
(AUTONOMOUS)
Shaikpet, Hyderabad – 500104

Department: Electronics and Telematics Engineering

2022-23

REPORT

Workshop on Designing and Modelling of IoT, AI & ML Systems

Date:1-8-22 to 5-8-22

I V.Vikas Asst.prof,ETE attended the workshop on Designing and Modelling of IoT, AI & ML Systems .I have gained knowledge in the following topics.Overview of IoT and High level Architecture,Detail C/C++ programing practice.Setting up IoT work-flow,Micro-controller programming using Arduino,Building IoT Applications using cusomized IoT kit and other electronics components,IoT Coomunication Protocols like HTTP and MQTT.IoT Cloud Infrastructure,Android App development,Web development exercises,Case Study – Building a Mobile Robot from scratch and interfaced with a Smart Phone,Multiple Projects based on IoT and OpenCV,Advanced applications of IoT with AI.Type of systems. Types of models, Stepsinsimulation study, Advantages and disadvantages of Simulation. Types of Simulation using AI, Discrete Event Simulation, Simulation of a single server queuing system, Simulation of an Inventory system using AI, Continuous Simulation, Predator-prey system, Combined Discrete-Continuous Simulation with AI, Monte Carlo Simulation. Statistical Models in Simulation: Useful statistical model, Discrete and Continuous Probability distributions, Poisson process and Empirical distribution.

Signature of the Faculty member

V.Vikas Asst Professor,ETE

PRINCIPAL
G.Narayanamma Institute of
Technology & Science (for women)
(AUTONOMOUS)
Shaikpet, Hyderabad - 500 104.