



HYDERABAD INSTITUTE OF TECHNOLOGY AND MANAGEMENT

A Report on “Certification program on arduino and IOT”

Organized by Department of ECE in collaboration with SSDC
and Elegant Embedded Solutions Pvt. Ltd. on 15th Nov 2019

Dr. Shiva Kumar
Principal

Dr. Rahul Vivak Prohit
Professor and Head, ECE

Vinod Kumar Ahuja
Event Coordinator

Name of the Trainer: 1) Vinod Kumar Ahuja

Name of supporting trainers: 1) Bindu Reddy
2) Dinesh

Venue: Go9 (Center For Excellence in IOT)

Date: 15th Nov 2019

Total Number of Participants: 52

Duration: 9:00 AM to 4:00 PM

Introduction

The document on hand is a narration of the detail the events and proceedings of the certification program that was conducted by Center for Excellence in IOT (Students Skill Development Center) of Electronics and Communication Department in collaboration with Elegant Embedded Solutions Pvt. Ltd on 15th Nov 2019 . The certification program was conducted at the HITAM campus in G09 and Shanker from Elegant Embedded Solutions appointed as resource person(R and D design engineer). The whole session lasted for seven hours. The certification was conducted as per company standards.

About Participants

There are fifty participants attended certification program. Three students could not able to attend because two students attended WIF program in Chennai and one student mother was ill and she took permission.

About Event and procedure:

Mr. Shanker assigned task to students in batches. He assigned four different projects to fourteen batches. Project topic was keep completely confidential by Shanker without event discussing with center in charge. Morning during breakfast Shanker disclosed projects title to Mr. Vinod Kumar Ahuja and decided to divide projects into three levels such that level one is easy and level three very tough as per industry standard. Mr. Shanker explained project requirements to students and ask them to complete given task in stipulated time.

Agenda

S/No	Description	Timing	Location
1	Inauguration	9:30 AM to 10:00 AM	Seminar hall
2	Design competition phase 1	10:05AM to 1:00 PM	G09
3	Lunch	1:00 PM to 1:45 PM	Canteen
4	Design competition phase 2 and 3	1:45 PM to 3:45 PM	G09
5	Valedictory	3:45 PM to 4:15 PM	G09

Inauguration Function:

Inauguration conducted in presence of Principal sir, Dr Rahul Sir, other ECE staff and participants

Objective of the event

3rd year ECE students have undergone training on arduino and IOT for forty three session where they have learned 18 sensors and 4 actuators and fifteen plus projects. Mr. Vinod Kumra Ahuja took initiative and contacted Elegant Embedded Solutions for certification. Mr. Shanker conducted event at HITAM.

Projects assigned to participants

1. Design of voice controlled home appliance like fan, light, motors using android app for physically disabled
2. Design of automatic medicine remainder system
3. Design of bidirectional visitor counting system
4. Design of automatic street light control through GSM with fault detection

Closing of the Training

Mr. Shanker expressed his closing remarks and reiterated the importance of the training for the participants in their daily activities and their readiness for applying the learnt concepts in their future projects. Feedback paper is shared with all participants asked them to share their honest feedback and a few participants asked to share their experience about event. Based on makers scored participants declared winners and runners.

Banner



The banner features three logos at the top: EES (Elegant Embedded Solutions PVT LTD), HITAM (Hyderabad Institute of Technology and Management) with the tagline 'Find your path', and the Centre for Excellence in IOT, SSDC-ECE. Below the logos, the text reads: 'CERTIFICATION PROGRAM', 'Center for Excellence in IOT (SSDC ECE) in Collaboration with ELEGANT EMBEDDED SOLUTIONS PVT LTD Organising certification program on Arduino and IOT for 3rd Year ECE students', 'NOVEMBER 15th, 2019 AT CENTRE FOR EXCELLENCE IN IOT, SSDC ECE LAB (G09)', and 'Grace the event with your presence'. At the bottom, it lists the 'CONVENER' (DR RAHUL VIVEK PURCHIT) and 'FACULTY MEMBERS' (VINOD AHUJA, BINDU REDDY, DINESH). The footer includes 'HYBERABAD INSTITUTE OF TECHNOLOGY AND MANAGEMENT', 'Affiliated to JNTUH, Approved by AICTE and Accredited by NAAC', and contact information: 'www.hitam.org Ph. + 91 9870276848. | EAMCET Counselling code: HITM'.

Inauguration Function:



Dr. Shiva Kumar addressing participants



Dr. Rahul Vivak addressing participants



Mr. Shanker addressing participants



Mr. Vinod Kumar Ahuja addressing participants

Working pictures



Valedictory



Winners batch



Runners batch

Certificate distribution

