

G.Narayanamma Institute of Technology & Science

(Autonomous)

(For Women)

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Shalkpet, Hyderabad, TS, 500104



In-House Inter-Departmental, Four day FDP on "Developing Applications based on Arduino & Cloud operations" (Phase-1) organized by ECE & CSE Depts (8-3-21 to 10-3-21, 12-3-21)

We are glad to inform that ECE & CSE departments are collaboratively organizing in-house FDP on "Developing Applications based on Arduino & Cloud operations" from 8-3-21 to 10-3-21 & 12-3-21. This FDP is planned with an objective for faculty to have hands-on experience in Arduino, sensors hardware, Python, Machine learning and cloud communication experiments. The FDP is scheduled with Theory, Demo, Practicals followed by simple exercise projects. The basic knowledge gained by this FDP will definitely help faculty to get new ideas for projects and also to help students to do better in their projects. In continuation to this FDP, Phase-2 FDP will also be planned soon that covers topics on Interfacing RPI, Jetson Nano with sensors and image processing applications using Depth camera.

This FDP is planned for around 25 faculty members. Request the HoDs of CSE, ECE, EEE, ETM and IT departments to please nominate 5-6 faculty members for this FDP to Dr. A. Sharada, Coordinator.

Thank you

FDP Coordinators

Dr. A. Sharada, Prof., CSE *Hly*

Dr. Renuka Devi S M, Prof., ECE *Bemp*

FDP Advisor

Dr. P. Sudhakar Rao, Prof. & *Prud*
Dean, R&D

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3/3/21
HOD, ECE

N. S. Reddy
HOD, CSE

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Prud
Dr. K. Ramesh Reddy
Principal



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IETE STUDENT FORUM (2020-2021)

Report on Developing Applications based on Arduino & Cloud operations

Name of the Program: Developing Applications based on Arduino & Cloud operations

Date: 8-3-21 to 10-3-21

Venue: e-class room, ECE, G. Narayanamma Institute of Technology and Science (for women), Hyderabad

FDP on "Developing Applications based on Arduino & Cloud operations

In-House Inter-Departmental, Four day FDP on "Developing Applications based on Arduino & Cloud operations" was organized by ECE & CSE Depts under IETE from 8-3-21 to 10-3-21, 12-3-21, coordinated by **Dr. Renuka Devi S M** and **Dr. A. Sharadha** and FDP Advisor was **Dr. P. Sudhakara Rao**. The FDP was scheduled with Theory, Demo and Practicals followed by simple exercise projects. The basic knowledge gained by this FDP will definitely help faculty to get new ideas for projects and also to help students to do better in their projects. The topics covered in the FDP are Arduino Uno Architecture, Interface with sensors, Description of ESP 8266 & Communication with cloud, Python Programming and Python Libraries, Developing GUI application for database Management Services using Python and MySQL & implementation of Machine learning algorithms. The Resource persons from ECE dept include **Mrs. T. Srilatha**, **Dr. C. Padmaja**, **Ms Ch. Anusha**, **Dr. P. Sudhakara Rao**. Around 35 faculty members from all the departments participated in this workshop.



Participants in 4-day FDP on 'Developing Applications based on Arduino & Cloud operations'



A Lecture delivered by Mrs. T. Srilatha in FDP on 'Developing Applications based on Arduino & Cloud operations'

(Dr. Renuka Devi S M and Dr. A. Sharadha)

coordinator

(Dr. B. Venkateshulu)

HOD, ECE

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Department: Information Technology

2020-21

REPORT

FDP on “Four Day in house inter departmental FDP on Developing Applications based on arduino and Cloud operations”


Date of program: 08-03-2021 to 12-03-2021

Resource person: 1. Dr. P.Sudhakar Rao, Prof, ECE, GNITS
2. A. Sarath Kummar, Asst. Prof, CSE, GNITS
3. T. Swapana, Asst. Prof, CSE, GNITS
4. Y. Sravani, Asst. Prof, CSE, GNITS

About the Program:


In this FDP, we gained skills on developing applications using Arduino and integrating them with cloud operations, fostering skills that are increasingly valuable in the context of the Internet of Things and cloud computing.


A. Bhimasankaram


A. Nagaswari


Signature of the Faculty member

B.V. Prasad Babu


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