



G.NARAYANAMMA INSTITUTE OF TECHNOLOGY & SCIENCE

Autonomous (For Women)

(Accredited by NAAC & NBA) AICTE Sponsored

6th International Conference on Intelligent Computing and Communication (ICICC 2022)
18th - 19th November, 2022

Department of Electronics and Telematics Engineering

Pre-Conference Workshop on "IoT Based Real Time Applications Using Raspberry Pi"
(16th November 2022)



Jointly Organized by
Department of Computer Science and Engineering, GNITS and E&ICT
Academy, National Institute of Technology, Warangal



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Assistant Professor, ITE Dept

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Dear Sir/Madam,

It gives us great pleasure to inform you that G. Narayanamma Institute of Technology and Science (for Women), Shaikpet, Hyderabad, Telangana, organizing ICICC 2022 on 18th and 19th November 2022.

The pre-conference workshop imparts participants the knowledge transfer to understand various concepts related to IoT and information ranging from how real time applications are built using Raspberry Pi and Python to controlling input/output and monitoring devices through cloud and designing an application for Agriculture Parameters Monitoring and Control System.

In this context, an eminent speaker, Mr. B.Srinivasa Reddy, Sr. Embedded Engineer- R&D, SRIMUDRA Techno Pvt.Ltd, will handle the pre-conference workshop with the title "IoT Based Real Time Applications Using Raspberry Pi" on 16-11-2022.

All the Heads of the Departments are requested to circulate the pre-conference brochure, schedule and inform the faculty and students who register for the workshop to attend the session in E-Classroom, 4th Floor, F-Block, GNITS.

Looking forward for your active participation.

Thanking you,

K. R. L. Reddy
Dr. K. Rama Linga Reddy
HOD ETE

K. Ramesh Reddy
Dr. K. Ramesh Reddy
Principal, GNITS.

Copy to:

1. All the Head of Departments

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6th International Conference on Intelligent Computing and Communication (ICICC 2022)

18th – 19th November, 2022

Department of ETE

Pre-Conference Workshop on “IoT Based Real Time Applications Using Raspberry Pi”

(16th November 2022)

Schedule

Timings	Content
9.30 A.M - 11.15 A.M	Introduction to Raspberry Pi single board computer and its features. Overview of IoT, programming Raspberry Pi using Python.
11.15 A.M - 11.30 A.M	Break
11.30 A.M - 1.00 P.M	Interface peripherals and programming GPIOs and interfacing sensor modules.
1.00 P.M – 1.30 P.M	Lunch
1.30 P.M – 2.45 P.M	Practicing with Raspberry Pi and Cloud (UBIDOTS), and uploading data to Service Provider Website.
2.45 P.M – 3.00 P.M	Break
3.00 P.M – 4.00 P.M	Live example of Controlling the GPIO from Cloud, Trigger Actions based on Sensor Information, controlling and monitoring devices through cloud. Developing an application “IoT Based Agriculture Parameters Monitoring and Control System.”

Venue: E-Classroom, 4th Floor, F-Block, GNITS.

K. R. L. Reddy
HOD ETE

Dr.K.Rama Linga Reddy

[Signature]
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