# G, NARAYANAMMA INSTITUTE OF TECHNOLOGY & SCIENCE



#### for women SHAIKPET, HYDERABAD **IEEE Student Branch**



20-11-2019

## <u>IEEE STUDENT BRANCH</u>

IEEE STB GNITS has organized an Two day Workshop on Arduino Interfacing on 2-11-19 & 3-11-19.

#### **Details of the Event:**

Team Size:

3 Students

Topic:

**Arduino Interfacing** 

#### Registration fee:

Rs.100 per student(For IEEE Student Member). Rs.200 per student(For non-IEEE Student Member).

Total Students atttended:118

### Contents of the Workshop

- Introduction to Microprocessors and Microcontrollers 1.
- Introduction to Arduino programming-IDE 2.
- Analog interfacing-Ex.Interfacing Gas sensor, Temperature sensor 3.
- Digital Interfacing-Ex Interfacing IR sensor, UV sensor, RTC, LCD 4.
- PWM channeling-Ex: Interfacing Motor driver 5.
- Interfacing modules like bluetooth ,wifi 6.
- **Project ideas** 7.

Students were benefited from the workshop

Thanking you sir,

Yours Sincerely

Branch counselors: Dr. N. Malla Reddy N. M. L.

Dr Renuka Devi SM

Dr. K.Ramesh Principal

<sub>presi</sub>dent:

pr.K.Ramesh Reddy

Branch Advisor:

Dr.R.Balasubramanian

Branch Counselors:

Pr.N.Malla Reddy

Professor and Head, EEE

Dr.Renuka Devi SM

Professor, ECE

Department Coordinators

Mr. P.Buchibabu

Asst. Professor, EEE

Ms. P.Keerthi Chandrika

Asst. Professor, CSE

Ms. Ch. Sravanthi

Asst. Professor, CSIT

Ms. Swetha

Asst. Professor, ETM

Ms. G.Madhavi

Asst. Prof, ECE

Student Committee

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GNITS
IFFE SR GNITS

GNITS - D / ECE / IEEE/ Arduino interfacing workshop



4-11-2019

Arduino interfacing workshop

IEEE SB GNITS organised an Two day hands on session on Arduino interfacing workshop on 2-11-2019, 3-11-19 in admin block computer center

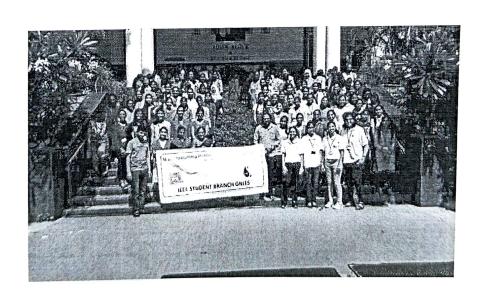
Speakers: Dr P. Sudhakar Rao, Dean R&D, ECE Dept GNITS Mr. V Badri Ramakrishnan, Asst Prof, GNITS

#### Report:

The basic experiments on Arduino interfacing provided participants with hands-on experience in programming, sensor integration, and actuator control. These fundamental concepts lay the groundwork for more complex projects. The experiments aimed at fostering a practical understanding of Arduino, promoting creativity, and encouraging participants to explore further applications in the realm of electronics and programming.

#### Students participated: 118

Outcome: Building upon these basic experiments, participants are encouraged to explore advanced projects involving multiple sensors, actuators, and communication protocols to deepen their understanding and proficiency in Arduino-based projects.



IEEE SB GNITS Consellor

Dr N. Malla Reddv Vice President

Principal Principal

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