



20-11-2019

## **IEEE STUDENT BRANCH**

President:  
**Dr. K. Ramesh Reddy**

Branch Advisor:  
**Dr. R. Balasubramanian**

Branch Counselors:

**Dr. 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

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**Ms. M. Dheekshitha (3/4 CSE)**  
SB Vice chair

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**A. S. Sai Aishwarya (2/4 IT)**

**M. Yahika Reddy (2/4 ECE)**

**I. Fatima (2/4 CSE)**

**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 attended: 118

### **Contents of the Workshop**

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

Students were benefited from the workshop

Thanking you sir,

Yours Sincerely  
Branch counselors:  
Dr. N. Malla Reddy  
Dr Renuka Devi SM

*N. Malla Reddy*  
*Renuka Devi SM*

*K. Ramesh Reddy*  
Dr. K. Ramesh Reddy  
Principal



GNITS

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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.



Dr Renuka Devi S M  
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Dr N. Malla Reddy  
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