

ABOUT KITS

KKR & KSR INSTITUTE OF TECHNOLOGY AND SCIENCES (KITS) was established in the year 2008, by GSR & KKR EDUCATIONAL SOCIETY in Vinjanampadu village, Vatticherukuru Mandal of Guntur district by Sri. Koye Subba Rao. The Institution was started with four AICTE approved undergraduate programmes in Departments of Electrical and Electronics Engineering (EEE), Electronics and Communications Engineering (ECE), Computer Science and Engineering (CSE), Information Technology (IT) with an overall intake of 240 students. Later programmes in MBA, Departments of Civil Engineering and Mechanical Engineering were inducted. This year (2015-16), the college has grown manifold with a total student intake of 906 pursuing courses in 5 undergraduate and 5 postgraduate programmes. The vision of the Institute is to impart quality education through exploration and experimentation and generate socially-conscious engineers, embedding ethics and values, for the advancement in Science and Technology, though the affiliating University introduces curriculum based on the feedback of industry, students and faculty members, the Institute assesses the existing curriculum and adds extra topics beyond the syllabus. Electives are offered by the affiliating University at both post graduate and under graduate levels in terms of specializations. All programmes offered by the Institute are semester based. The intake of programmes approved by AICTE and affiliated to JNTUK Kakinada. The institution is accredited by NAAC with A grade.

ABOUT THE ECE DEPARTMENT

The Department of Electronics and Communication Engineering was started in the year 2008. Since then, the department has grown in manifold and has become one of the important departments in the college. The department offers a four year B. Tech degree programme and a two year M. Tech Degree programme. The department maintains a close liaison with industries and ensures that students are trained as per the current needs of the society. The curriculum provides in depth knowledge of both hardware and software skills. The department is full-fledged with adequate infrastructure and state-of-art laboratories.

ABOUT THE WORKSHOP

This programme is targeted to Electronics students with some knowledge on Embedded Systems Concepts and Microcontrollers. This course is based on the Arduino Nano board and its implementation using Arduino IDE.

This programme provides better view on programming aspects of Arduino Microcontrollers. Thus it offers various Real Time projects to implement using Arduino Microcontroller by programming in C Language Programming.

STEERING COMMITTEE

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Sri. Koye SubbaRao, Chairman

Patrons:

Sri. Koye Sekhar, Secretary

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Workshop Chair:

Dr. M. Siva Ganga Prasad., Professor & HoD of ECE

Organizing Chair:

Dr. Md. Zia Ur Rahman, Professor of ECE

Organizing Co-Chair:

Mr. K. Murali Krishna, Asst. Professor of ECE

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Mr. M. Rakesh, Assistant Professor of ECE

**A TWO Day National Workshop
on**

Real Time Implementation of EMBEDDED Applications using

Arduino Nano

11th & 12th July 2017

APPLICATION FORM

1. Name:

2. Qualification :

3. Designation :

4. Mailing Address:

Pin code:

E-mail:

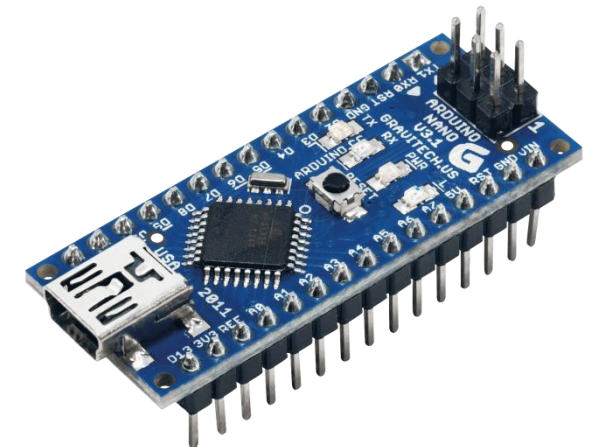
Contact Number:

5. REGISTRATION FEE Details:

Amount: Rs.

Date:

Signature of the Applicant



COURSE LEADER

M.Praveen Kumar

Our resource person Mr. Praveen Kumar Manukonda, M.Tech is Trainer and Founder at PARL Embedded Technologies PVT LTD, Guntur, AndhraPradesh. Mr. Praveen is a full time trainer in Embedded Systems. He has 4 years of Experience on Embedded Systems training. Already conducted workshop on 8051 microcontroller programming in NRIIT, Perecherla , 8051 and Arduino programming in Vignan's University, and Robotics Workshop in Nalanda Institute of Engineering and Technology, Sattenapalli.

LEARNING OUTCOME OF THE WORKSHOP

By the end of the Workshop students get exposure on how to start doing different Real Time projects on Embedded System using Arduino as the Core.

This will help students gain practical exposure on Real Time Embedded Applications.

And also helpful in completing their academic projects (mini an main projects) in Embedded Domain.

COURSE CONTENTS

Day 1

Introduction to Embedded systems
Different Microcontrollers available
Introduction to Arduino
Installation of Arduino software
Basic Arduino program
Interfacing of led to an Arduino
Interfacing of seven segment display, LCD, DC motor and Relay

Day 2

Introduction to DTMF technology,
Interfacing of DTMF decoder to Arduino,
Introduction to Serial Communication,
Interfacing of RFID module to Arduino.
Implementation of projects on Arduino

A Three Day National Workshop
On

**Real Time Implementation of
EMBEDDED Applications using
Arduino Nano**
11th& 12th July 2017

Organized by
IEEE Student branch,
Department of
Electronics and Communication Engineering



KKR & KSR INSTITUTE OF TECHNOLOGY & SCIENCES

(Approved by AICTE, Delhi, Affiliated to JNTU, Kakinada
Accredited by NAAC with 'A' Grade)
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