



KKR & KSR INSTITUTE OF TECHNOLOGY & SCIENCES  
(Approved by AICTE, Affiliated to JNTUK,  
Kakinada) VINJANAMPADU, GUNTUR,  
ANDHRA PRADESH - 522017.

A Two day workshop on  
“AUTONOMOUS ROBOTICS USING AVR  
CONTROLLER”  
In association with  
RAMSON SEMICONDUCTORS PVT LTD  
26th , 27th JULY 2017

### REGISTRATION FORM

1. Name:

2. Branch:

3. Class:

4 .Phone:

5. E-mail:

### Declaration

The information provided is true to the best of my knowledge if selected; I agree to abide by the rules and regulations of the Programme.

Date:

Place:

Signature

### Organising Committee



In our college EEE Department initiated VOLTA ASSOCIATION to motivate and educate the students about current scenario and latest trends in electrical engineering by conducting technical events, workshops, industrial visits. Every academic year Volta association hosts different events for improvement of student skills improvement.

### Student Members

T. Naga Mani Vyas- IV EEE- President

G.S. Nikitha - III EEE- Secretary

P.Venkata Koushik -III EEE- Member

### Faculty Coordinator

Mr. O.Hima Kiran Kumar

Asst. Professor, EEE Dept.

### Contact Information

Mr. O. Hima Kiran Kumar

Ph: 9246483523,

### A Two day Workshop

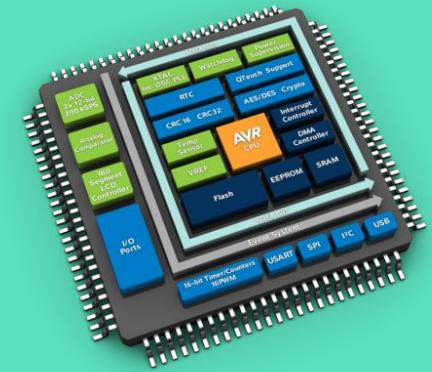
on

### AUTONOMOUS ROBOTICS USING AVR CONTROLLER

In association with

RAMSON SEMICONDUCTORS PVT LTD

26th , 27th JULY 2017



Organizing department

### Electrical and Electronics Engineering



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Ph : 0863 - 2286666/77/88

## ABOUT THE INSTITUTE

KKR & KSR Institute of Technology & Sciences (KITS) was established in the year 2008, by GSR & KKR EDUCATIONAL SOCIETY in Vinjanampadu village, VatticherukuruMandal of Guntur District. It is approved by AICTE, New Delhi and affiliated to JNTUK, Kakinada. The institute offers Undergraduate programmes in the Departments of Electrical and Electronics Engineering (EEE), Computer Science and Engineering (CSE), Electronics and Communications Engineering (ECE), Civil Engineering (CE) and Mechanical Engineering. It also offers PG Programmes in MBA, M.Tech(CSE), M.Tech(VLSI), M.Tech(PE&D), M.Tech(DECs).

## ABOUT DEPARTMENT OF EEE

The Department of Electrical and Electronics Engineering was established in the year 2008. The department has been actively engaged in teaching and research in diverse fields of Electrical and Electronics Engineering. It offers B.Tech in EEE with an intake of 60 students and M. Tech in Power Electronics and Drives with an intake of 36 students. The department of EEE has adequate and well-qualified faculty spanning all major areas of Electrical Engineering. Apart from regular academics, the Department Association organizes activities such as seminars, guest lectures, workshops, industrial visits etc to encourage and motivate students to achieve their goals. The Department also encourages the students to involve in different projects and to participate in technical, social and cultural events organized by other Institutions.

## ABOUT THE PROGRAMME

The main objective of this workshop is to make the aspiring engineers acquainted with the conceptual as well as practical knowledge of the Automation, Robotics & Latest Technologies being used to achieve

Automation. The idea of organizing this Programme is to inculcate the basic fundamentals of Robotics among young students and also to provide them a platform to work on in the near future.

## RESOURCE PERSONS

Experts from **Ramson Tech LABS, a branch of RAMSON SEMICONDUCTORS PVT LTD**, will act as resource persons.

## TOPICS TO BE COVERED

- **Basics of Robot Electronics**
- **Introduction to Microcontrollers.**
- **Introduction to Programming Language**
- **AVR CONTROLLER**
- **Interfacing of LEDs.**
- **ADC**
- **Development of a Obstacle Detecting Intelligent Robot**
- **Development of Line Following Robot**

## COURSE HIGHLIGHTS

**Certification:** Certificate of participation given to all the workshop attendees' by RAMSON SEMICONDUCTORS PVT LTD.

**Study Material:** - Study materials given to each participant.

**Projects:** - 4 projects

**Prizes:-** All Participant of this workshop will get a Discount Voucher of worth Rs. 450/- for RAMSON TECH CENTRES Summer Programs.

## BENEFITS OF WORKSHOP

- You will be able to implement logical operations in Hardware.
- Understanding the Applications of Robotics and Future of Robotics.
- You will be able to design different types of Robots.
- Your technical skills will be developed.
- You will get depth Knowledge of electronics components.
- You will be able to participate in any Tech-fest.

## ELIGIBILITY

The program is open to students of EEE, ECE, and MECHANICAL branches.

## REGISTRATION PARTICULARS

Application in the prescribed format duly signed by the Head of the Department and should reach the co-convenor on or before 24.07.2017. The soft copy of application (scanned copy) can also be sent to the convenor.

## REGISTRATION FEE

For all participants Fee: Rs.200/-

## SPONSORSHIP CERTIFICATE

Mr./Mrs./Ms \_\_\_\_\_

\_\_\_\_\_ is

a student \_\_\_\_\_(YEAR) in \_\_\_\_\_(Dept.) and is

hereby permitted to participate in **A Two day**

**Workshop on AUTONOMOUS ROBOTICS USING**

**AVR CONTROLLER** In association with

**RAMSON SEMICONDUCTORS PVT LTD.**

During 26th, 27th JULY 2017.

Place:

Date:

Signature of Head of the Department  
(With seal)