



Karnatak Law Society's

Vishwanathrao Deshpande Institute of Technology

Haliyal



# eYantra



**EMBEDDED SYSTEM & ROBOTICS LAB**

A project under the National Mission on Education through ICT program by MHRD with technical support from IIT Bombay under

**Forum of Industry Institute Interaction (FIII), KLS VEDIT**

<b>YEAR OF ESTABLISHMENT</b>	January 2019
<b>CARPET AREA</b>	40 Sq ft
<b>APPROXIMATE COST</b>	INR. 3,50,000/-
<b>MAJOR EQUIPMENTS</b>	FireBird V 2560 Robot, Spark V Robot, Interfacing modules
	Digital Accelerometer and gyroscope, Zigbee Modules 100m range
	Metal-gear Servo Motors, Raspberry-Pi 3, Arduino Uno/Nano
	Sharp Infrared range sensor (4cm to 500cm)
<b>FIII COORDINATOR</b>	Dr. Arun Kakhandki (ECE)
<b>EYANTRA COORDINATOR</b>	Prof. Vikas Balikai (ECE)
<b>FACULTY INCHARGES</b>	Prof. Swathi Shastry (CSE)
	Prof. Rahul C.M (ECE)
	Prof. Pranesh Kulkarni (CSE)

VEDIT Embedded Robotics Lab with support from KLS Management and IIT Bombay is an advanced laboratory to execute state of the art projects in the field of embedded systems and robotics. The objective of this lab is to create the next generation of Embedded engineers in India with a practical outlook to take on challenging problems and provide solutions. This Lab trains the students in embedded systems programming by engaging them through the Project Based Learning (PBL) mode.

# eYantra



To grow a rich eco-system of ideas and applications that can propel India's growth curve and productivity through intelligent funneling of robotics in daily living built upon an existing pool of knowledge developed by students working on such projects in the area of embedded systems.

### Benefits of e-Yantra robotics

1. Awareness of embedded systems and robotics technology.
2. It provides platform to design, develop, program and test of robots to various applications.
3. Students can participate in national and international robotics competitions.
4. State of the art BE projects with help of e-Yantra open source comm
5. Exposure to job opportunities in robotics.
6. Encourage to use robots to solve real life problems.
7. Internship opportunity for all the students.