



CLUB FIRST
WHERE IDEAS COME IN SHAPE

For Improvement & Research in Science & Technology

CLUB FIRST TECHNO EDUSOLUTIONS PVT.LTD.

“STRIKON”

A Hands on Workshop on...

“MATLAB & Embedded system with image processing”

Register: - <http://www.clubfirst.org>

Contacts:-

For any query and registration

Bhuvanesh (8058496808, 9579481384)

In brief:-

Robotics has come long way. Especially for mobile robots in the past, they were controlled by heavy, large and expensive systems that would not be carried and had to be link via cables. Today, however we can build small robots with numerous actuators and sensors that are control by inexpensive, small and light embedded computer system that are carried on-board. Also with the invent of cheaper wireless modules it has now become possible for multiple robots to communicate with each other and do a particular task also known as CLUB FIRST Techno edusolutions Pvt. Ltd. **This workshop presents a unique combination of MATLAB, embedded system design and software programming.** The focus of this workshop is to introduce to the students various methods of communication that can be used to transfer data between multiple machines.

Duration

It is a **30 days' workshop** for engineering students who want opportunities to extend beyond learning theoretical concepts to transfer this knowledge into practical Robotics & MATLAB.

Skills Gained

After completing this workshop, you will be able to:

- 1. Introduction to robot**
- 2. Introduction to MATLAB**
- 3. MATLAB programming**
- 4. Image processing basics (Digital image , Representation and acquisition –Image types, image arithmetic ,coordinate system, displaying images etc.)**
- 5. Some basic processing on images (writing user defined function for image resizing, cropping, zooming, complement, filtering etc.)**
- 6. Image processing with hardware control programming.**
- 7. Face detection, edge detection out port on parallel port.**

Registration Details

Participants have to register in a team of **Minimum one** and **Maximum three** students.



CLUB FIRST
WHERE IDEAS COME IN SHAPE

For Improvement & Research in Science & Technology

CLUB FIRST TECHNO EDUSOLUTIONS PVT.LTD.

The total payable amount (With Minilab)

For club member's worth 3000/- (Team of three students, inclusive minilab)

For club member's worth 3300/- (Team of three students, inclusive minilab)

Certification-

Every participant will be certified after successful completion of the training from "CLUB FIRST Techno edusolutions Pvt. Ltd., India,"

Venue- CLUB FIRST

Website: - <http://www.clubfirst.org>

E-mail-

For information info@clubfirst.org

For registration register@clubfirst.org