



**KINGS**  
**ENGINEERING COLLEGE**  
Irungattukottai, Sriperumbudur, Chennai - 602 117.  
Ph: 044-71224401 - 08. Fax: 044-71224410

**ROBOTICS CLUB**

A Report on activities under Robotics Club (2014-2015)

Month: August 2014

Name of Activity	Robotics Workshop
Name of the departments	ECE, CSE, IT, MECH
Name of the co-ordinator	Mrs.Venmathi.A.R., AP/ECE
Participants	II ,III ,IV Students
Date of competition	07.08.2014
Name of the Club	Robotics Club
Objective of the Code Club	Provide students with the opportunity to express their skills, knowledge and creativity through the design, design and programming of robots
Outcome of the Code Club	Students can able to know the recent trends in the field of Robotics

Photo gallery





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**ROBOTICS CLUB**

A Report on activities under Robotics Club (2014-2015)

Month: January 2015

Name of Activity	eYantra Lab Setup
Name of the departments	ECE, CSE, IT, MECH
Name of the co-ordinator	Mrs.Venmathi.A.R., AP/ECE
Participants	II ,III ,IV Students
Date of competition	15.01.2015
Name of the Club	Robotics Club
Objective of the Code Club	Provide students with the opportunity to express their skills, knowledge and creativity through the design, design and programming of robots
Outcome of the Code Club	Made a technical collaboration with IIT Bombay to increase the skills and knowledge on the recent trends in the field of Robotics

Photo gallery





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**ROBOTICS CLUB**

A Report on activities under Robotics Club (2014-2015)

Month: March 2015

Name of Activity	Workshop on Embedded arm processor
Name of the departments	ECE, CSE, IT, MECH
Name of the co-ordinator	Mrs.Venmathi.A.R., AP/ECE
Participants	II ,III ,IV Students
Date of competition	16.03.2014
Name of the Club	Robotics Club
Objective of the Code Club	Provide students with the opportunity to express their skills, knowledge and creativity through the design, design and programming of robots
Outcome of the Code Club	Students can able to develop the skills in the Domain called Embedded system

Photo gallery





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**ROBOTICS CLUB**

A Report on activities under Robotics Club (2015-2016)

Month: August 2015

Name of Activity	Robotics Workshop
Name of the departments	ECE, CSE, IT, MECH
Name of the co-ordinator	Mrs.Venmathi.A.R., AP/ECE
Participants	II ,III ,IV Students
Date of competition	26.08.2015
Name of the Club	Robotics Club
Objective of the Code Club	Provide students with the opportunity to express their skills, knowledge and creativity through the design, design and programming of robots
Outcome of the Code Club	Students can able to know the recent trends in the field of Artificial Intelligent

Photo gallery





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**ROBOTICS CLUB**

A Report on activities under Robotics Club (2016-2017)

Month: February 2016

Name of Activity	Robozest,16
Name of the departments	ECE, CSE, IT, MECH
Name of the co-ordinator	Mrs.Venmathi.A.R., AP/ECE
Participants	II ,III ,IV Students
Date of competition	17.02.2016
Juries	3 Faculty Members
Name of the Club	Robotics Club
Objective of the Code Club	Provide students with the opportunity to express their skills, knowledge and creativity through the design, design and programming of robots
Outcome of the Code Club	Students can able to know the recent trends in the field of Robotics

Photo gallery





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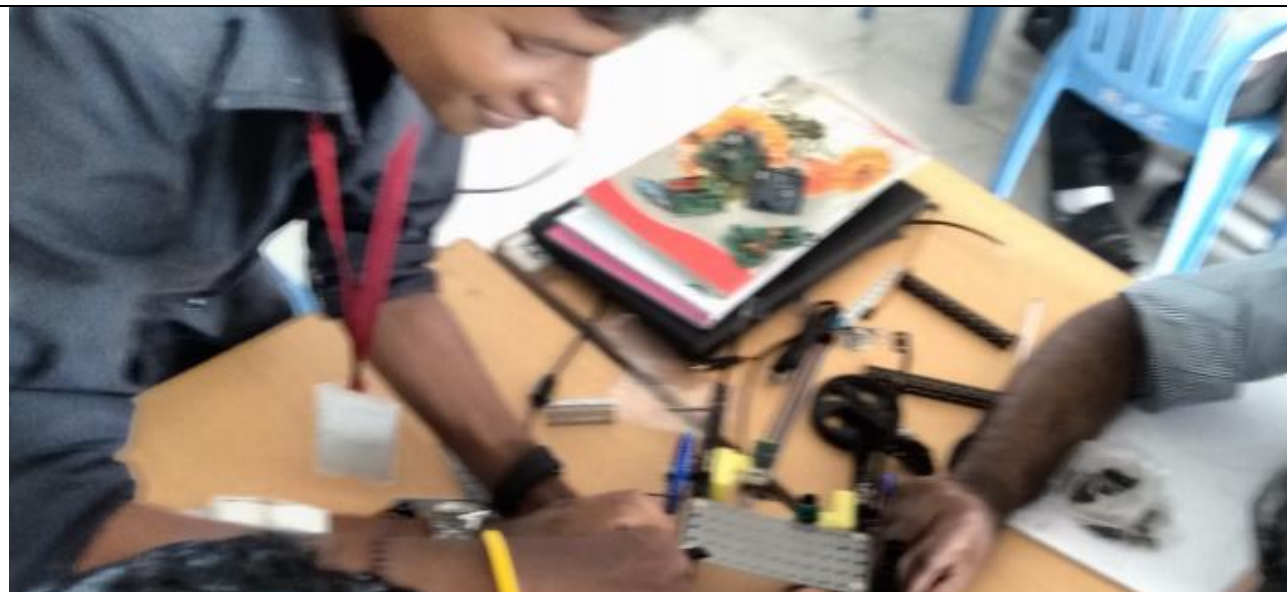
**ROBOTICS CLUB**

A Report on activities under Robotics Club (2016-2017)

Month: February 2017

Name of Activity	Robozest'17
Name of the departments	ECE, CSE, IT, MECH
Name of the co-ordinator	Mrs.Venmathi.A.R., AP/ECE
Participants	II ,III ,IV Students
Date of competition	02.02.2017
Juries	4 Faculty Members
Name of the Club	Robotics Club
Objective of the Code Club	Provide students with the opportunity to express their skills, knowledge and creativity through the design, design and programming of robots
Outcome of the Code Club	Students can able to know the recent trends in the field of Robotics

Photo gallery





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**ROBOTICS CLUB**

A Report on activities under Robotics Club (2017-2018) &(2018-2019) Month: March 2019

Name of Activity	Robo-ti- Kings
Name of the departments	ECE, CSE, IT, MECH
Name of the co-ordinator	Mrs.Venmathi.A.R., AP/ECE
Participants	II ,III ,IV Students
Date of competition	23.03.2019
Juries	3 Faculty Members
Name of the Club	Robotics Club
Objective of the Code Club	Provide students with the opportunity to express their skills, knowledge and creativity through the design, design and programming of robots
Outcome of the Code Club	Students can able to know the recent trends in the field of Robotics

Photo gallery





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**ROBOTICS CLUB**

A Report on activities under Robotics Club (2019-2020)

Month: February 2020

Name of Activity	Robotics Workshop
Name of the departments	Robotics and MECH
Name of the co-ordinator	Dr.Venmathi.A.R., AP/ECE
Participants	II ,III ,IV Students
Date of competition	22.02.2020
Name of the Club	Robotics Club
Objective of the Code Club	Provide students with the opportunity to express their skills, knowledge and creativity through the design, design and programming of robots
Outcome of the Code Club	Students can able to know the recent trends in the field of Robotics

Photo gallery







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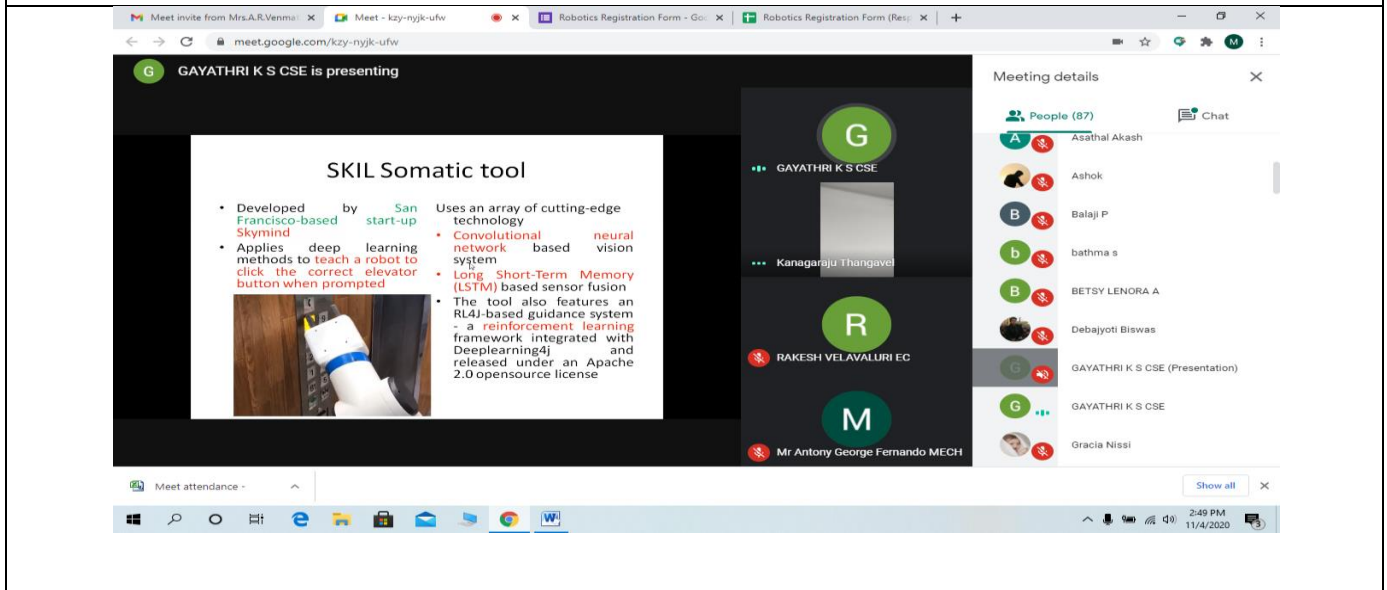
## ROBOTICS CLUB

A Report on activities under Robotics Club (2020-2021)

Month: November 2020

Name of Activity	Robotics Workshop
Name of the departments	ECE, CSE, IT, MECH
Name of the co-ordinator	Dr.Venmathi.A.R., AP/ECE
Participants	II ,III ,IV Students
Date of competition	14.11.2020
Name of the Club	Robotics Club
Objective of the Code Club	Provide students with the opportunity to express their skills, knowledge and creativity through the design, design and programming of robots
Outcome of the Code Club	Students can able to know the recent trends in the field of Robotics

### Photo gallery





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ACCREDITED WITH NAAC & NBA, AFFILIATED TO ANNA UNIVERSITY and APPROVED BY AICTE

## EVENT REPORT

Name of the Department	Robotics and Automation & Steam – Robotics Club
Name of the Event	<b>“Machine Vision for Factory Automation”</b>
Date and Time of the Event	21/10/2021 2.00 PM - 3.00 PM
Location	Online
Name of the Coordinator	Mr.A.Antony George Fernando
Number of Participants	33
Objective of the Event	The overall machine vision process includes planning the details of the requirements and project, and then creating a solution. During run-time, the process starts with imaging, followed by automated analysis of the image and extraction of the required information.
Outcome of the Event	Students can able to understand primary uses for machine vision for automatic inspection in industrial robots

The screenshot shows a Google Meet interface. The main window displays a presentation slide titled "Plc Vs Relays". The slide is divided into two columns: "Relay Logic" and "PLCs". Under "Relay Logic", there is an image of a relay rack with a red checkmark above it. Under "PLCs", there is an image of PLC hardware with a red checkmark above it. The Meet interface includes a top bar with a "REC" button and the name "Arunprakash C is presenting". On the right, there is a grid of participant video thumbnails for Arunprakash C, Mr. K.Chinnadu..., VIGNESHWAR..., Dr.MUTHUKUM..., Ms N Vidya ECE, DHARSHINIYA S, Dr. BabuSasi Ku..., 5 others, and You. At the bottom, there is a control bar with icons for mute, video, chat, and other meeting controls. The time "2:06 PM" and the event title "Machine Vision for Factory Automation" are visible in the bottom left corner.

PRINCIPAL



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## A REPORT ON

### Machine Vission For Factory Automation

**21/10/2021& 2 P.M TO 3.00 P.M**

Chairperson: Dr.Nalini Selvaraj, M.Com. M.Phil. Ph.D.  
Director: Mr.S.Amirtharaj, B.Tech, MBA(UK).  
Principal : Dr.T.John Oral Bhaskar, M.E, Ph.D.  
Robotics Club Coordinator : Mr.A.Antony George Fernando M.E,(Ph.D).

REC A Arunprakash C is presenting

## PLC Architecture

Handwritten notes: CPU, Memory, I/O interfacing

The diagram illustrates the internal architecture of a PLC. It shows a central CPU connected to various modules: User program ROM, System ROM, Data RAM, Input output unit, and Program power. These are connected via an Address bus, Control bus, and Data bus. Below the main unit, an I/O expansion bus connects to a Buffer, Latch, Opto-coupler, and Driver interface, which in turn connect to Input channels and Output channels (e.g., relays).

2:08 PM | Machine Vision for Factory Automation

People

- Mute all
- Add people
- Host controls
- Ms N Vidya ECE
- Ms R Latha ECE
- RAJASEKAR Y RAA
- SURYA T
- Vignesh P Mech
- VIGNESHWARAN B
- Yogesh P

Arunprakash C

Dr. Muniaraj MECH

11 others

You

REC A Arunprakash C is presenting

Suggested: Samosa Processing Factory In India || Panjab! Samos...  
WONDER WORLD

2:18 PM | Machine Vision for Factory Automation

People

- Mute all
- Add people
- Host controls
- Mr. G.L. Arumparithy
- Mr. K.Chinnadurai MECH
- Ms N Vidya ECE
- Ms R Latha ECE
- RAJASEKAR Y RAA
- SURYA T
- Vignesh P Mech

Arunprakash C

Dr. Muniaraj MECH

15 others

You

meet.google.com/jby-ebxk-mev

REC Arunprakash C is presenting

## Plc Vs Relays

### Relay Logic

### PLCs

meet.google.com is sharing your screen. Stop sharing Hide

2:06 PM | Machine Vision for Factory Automation

Participants: Arunprakash C, Mr. K.Chinnadu..., VIGNESHWAR..., Dr.MUTHUKUM..., Ms N Vidya ECE, DHARSHINIYA S, Dr. BabuSasi Ku..., 5 others, You

REC Arunprakash C is presenting

## PLC Fiddle

Playground: Codi School

Counter

Switch 1 ON

Cozzer

4V

ACC 3

PRC 3

We love learning from you! Contact us to share how you're using PLC Fiddle

Arunprakash C

20 others

You

### People

Mute all Add people Host controls

- Mr Antony George ... (You) Meeting host
- ARIMUTHU K
- Arunprakash C
- Arunprakash C Presentation
- BAGAVATH V
- DEEPAK KUMAR. M

2:47 PM | Machine Vision for Factory Automation



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**CERTIFICATE OF  
PARTICIPATION**

This is to certify that

**GOWTHAMAN B**

has successfully participated one day webinar "Machine Vision for Factory Automation" organized by the Department of Robotics and Automation, & STEAM - Robotics Club Kings Engineering College, Chennai on 21.10.2021.

Mr. A .ANTONY GEORGE  
COORDINATOR

Dr.T.JOHN ORAL BHASKAR

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**CERTIFICATE OF  
PARTICIPATION**

This is to certify that

**Chinnadurai K**

has successfully participated one day webinar "Machine Vision for Factory Automation" organized by the Department of Robotics and Automation, & STEAM - Robotics Club Kings Engineering College, Chennai on 21.10.2021.

Mr. A .ANTONY GEORGE  
COORDINATOR

Dr.T.JOHN ORAL BHASKAR

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