

## ABOUT THE INSTITUTION

K.S.R. College of Engineering was established in the year 2001 by Aarthi Educational and Charitable trust, approved by AICTE, New Delhi and affiliated to Anna University, Chennai. Our College is an ISO 9001–2008(E) certified and accredited by NAAC with ‘A’ Grade in 2017. The institution is conferred with the Autonomous status by UGC & Anna University, Chennai in the year 2012. Our College offers 7 UG and 9 PG Programs in Engineering, Technology and Management. The College has completed 19 years of dedicated service in the field of Technical Education with an avowed mission to inculcate the students self-learning abilities that enable them to become competitive and considerate engineers, technologists, scientists, managers, administrators and entrepreneurs by diligently imparting the best of education, nurturing environmental and social needs. K.S.R. College of Engineering stands 151-200 rank band based on NIRF Ranking 2017.

## ABOUT THE DEPARTMENT

The Department of Electrical & Electronics Engineering was established in the year 2002 and offers both UG (EEE) and PG (Power Electronics and Drives) Programmes. It has good infrastructural facilities which include Electrical Machines, Power Electronics, Microprocessor and Simulation Laboratory. The Department laboratories are equipped with the latest machinery and equipment and latest computer hardware and software and round the clock wireless broadband internet connectivity. The Department has well qualified and dedicated faculty members in various specialized areas of Electrical and Electronics Engineering.

## SCOPE OF THE WORKSHOP

Electrical CAD is CAD software for electrical designers and engineers. It is widely used software for creating electrical and electronic diagrams, schematics, and control circuit diagrams and documentation. Electrical CAD comes with powerful drafting tools for controls and schematic design. Its rich repository of symbol libraries helps designers increase their productivity in electrical design tasks. Electrical engineers design electrical equipment and electronic products - from microchips & computers to electric power networks - and any other products that process information and transmit energy. The primary task of Electrical Engineers is circuit designing or Schematic diagram. Circuit designers have the responsibility of designing electronic circuits that make up electrical systems. The minimum educational requirement is a bachelor of science in engineering, some employers require a master's in electrical engineering. Since circuit designs change frequently, this career requires a greater amount of continuing education to keep up with technology updates. Role in Industries: Electrical CAD software can automate all design tasks and facilitate drafting productivity. Engineers can create electrical schematic, control circuit diagrams, and documentation using industry specific electrical soft tool.

## OBJECTIVES

- ✓ The course aims to teach students how to draw precise, measured electrical drawings and schematics that form the basis of design communication in electrical engineering.
- ✓ Students will learn how to do wiring diagrams, insert components and terminals, use PLC symbols in ladder diagrams, perform point-to-point wiring, create custom symbols, add annotations like title blocks to drawings, and run reports.

## Three Days Hands-on-Training On “Electrical – CAD”

**REGISTRATION FORM**  
**30.01.2020, 31.01.2020 & 01.02.2020**



### Convener

Dr.S.Ramesh  
Professor & Head/EEE

### Co- Convener

Dr.M.Vijayakumar  
Professor/EEE

### ORGANIZED BY



### Department of EEE

**K.S.R. College of Engineering**  
**(Autonomous)**  
**Tiruchengode – 637 215**  
**Namakkal Dt.Tamilnadu.**  
**Website: [www.ksrce.ac.in](http://www.ksrce.ac.in)**

## COURSE CONTENT

- Introduction about ELECTRICAL CAD
- Getting comfortable with the E-CAD Environment
- Creating an E-CAD Electrical project
- Electrical schematic diagram
- Symbol Builder and Circuit Builder
- Component Tools
- Wire/ Wire Number Tools
- Ladder Tools
- Generating PLC layout modules
- Point to Point wiring tools
- Panel Layout
- Report Generation

## WHO COULD ATTEND?

- Program is open to faculty members / UG students from colleges / universities and industry personnel working in the concerned / allied discipline.

## ATTRACTIONS

- Free E-CAD software to Individual.
- Make Your Resume Stronger For Placements
- Hands-on experience on basic and advanced-level topics.
- Interaction & learning with experts from industry.

## REGISTRATION FEE

1. For UG students : 1000/-
2. For other participants : Rs.1200/-

## HOW TO APPLY

The participants should send their registration form in the specified format along with DD drawn in favor of “**The Principal, K.S.R. College of Engineering**” payable at “Tiruchengode”.

**Participants requested to bring laptop for the workshop**

## ORGANIZING COMMITTEE

### CHIEF PATRON

Lion Dr.K.S.Rangasamy, MJF  
Founder - Chairman  
K.S.R. Educational Institutions

### PATRONS

Mr.R.Srinivasan  
Vice – Chairman  
K.S.R. Educational Institutions

Dr.P.Senthilkumar  
Principal

### COORDINATORS

Dr.P.Suganya Professor /EEE  
E.Vani ASP/EEE  
S.Senthil Kumar AP/EEE  
M.Subramani AP/EEE  
M.Vijayakumar AP/EEE  
S.Dhivagar AP/EEE

### SCHEDULED DATES

Last date for registration : 27.01.2020  
Confirmation by participants : 28.01.2020

### HOW TO APPLY

The scanned copy of filled registration form should send via email to

**ecadksrce2020@gmail.com**

Registration is limited to 40 participants and selected on first come and first serve basis.

### ADDRESS FOR COMMUNICATION

S.Senthil Kumar ,AP/EEE  
Coordinator ,  
K.S.R.College of Engineering,  
Tiruchengode-637215,Namakkal  
District,Tamilnadu.

Phone : 04288 - 274213  
Mobile No : 9865523385, 9566670739.

## K.S.R. College of Engineering (Autonomous) Tiruchengode – 637 215

**Three Days Hands-on-Training  
On  
“Electrical - CAD”**

**30.01.2020 , 31.01.2020 & 01.02.2020**

### REGISTRATION FORM

Name :  
Designation :  
Department :  
Institution :  
Address :  
E-Mail :  
Mobile :  
DD Details :

Signature of the Applicant

### Declaration

Mr/Ms ..... is an Employee/ Student of our institute and is hereby permitted to attend the program for entire duration, if selected.

Date:  
Place:

Signature of HOD/ Head of the Institution  
(With seal)