



**CSIR Sponsored**

**Two Days National Level Workshop  
on “Friction Stir Welding for Joining  
Similar and Dissimilar Alloys”  
06<sup>th</sup> & 07<sup>th</sup> September 2019**

**Registration Form**

Name : .....

Department : .....

Gender : Male / Female

Designation : .....

Organization : .....

Address for Communication:

.....  
.....  
.....  
.....

Phone : .....

Email id : .....

Need Accommodation: Yes / No

**Demand Draft Details**

DD No & Date : .....

Amount : .....

Bank Name : .....

Signature of the  
Applicant

Signature of  
Head of Institution

**DATES TO REMEMBER**

Last Date for Registration : 03-09-2019

Notification for Acceptance : 04-09-2019

**REGISTRATION FEE**

Students/Faculties/Research  
scholars : Rs. 300

Industrialist : Rs. 300

The registration form duly filled must be submitted  
along with DD in favour of “The Principal,  
K.Ramakrishnan College of Technology” Trichy-  
621112.

**ELIGIBILITY**

Students and faculties from Institutions and  
Industries with relevant background in Mechanical,  
Production, Manufacturing and Automobile  
Engineering branches are eligible for the  
programme.

**ADDRESS FOR CORRESPONDENCE**

**Dr.B.SURESH KUMAR**

Associate Professor,  
Department of Mechanical Engineering,  
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**Mr.T.RAJKUMAR, AP  
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**Two Days National Level Seminar on  
“Friction Stir Welding for Joining  
Similar and Dissimilar Alloys”**

**06<sup>th</sup> & 07<sup>th</sup> September 2019**

**Organized by**

**DEPARTMENT OF MECHANICAL ENGINEERING**



**K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY  
(Accredited by NAAC with 'A+' Grade)**

**Trichy - 621112.**

**Phone : 0431 – 2670799**

**Fax : 0431 – 2670599**

**E-mail : [krct.trichy@gmail.com](mailto:krct.trichy@gmail.com)**

**Website : [www.krct.ac.in](http://www.krct.ac.in)**



## **ABOUT THE INSTITUTION**

K.Ramakrishnan College of Technology was established in the year 2010. Institution was approved by AICTE New Delhi, affiliated to Anna University Chennai and accredited by NAAC with 'A+' grade. The college has consistently secured ranks within top 25 since it is established. The Institution was ranked 22<sup>nd</sup> in the CSR-GHRDC Engineering Colleges Survey 2016 in India, under the category of "OUTSTANDING ENGINEERING COLLEGES OF EXCELLENCE". We believe in educating, enhancing and empowering the student community to face the challenges of tomorrow and to be the front-runners in job market. The college has established research laboratories such as Additive manufacturing (3D printing) lab, Welding research lab, PTC lab, Automobile lab, Stir Casting Lab etc.

## **ABOUT THE LOCATION**

The college is situated at Samayapuram on the National highway (NH-45) about 21km from Trichy.

## **ABOUT THE DEPARTMENT**

The Mechanical Engineering Department was established in the year 2010 to cater the needs of the students. Excellent and dedicated faculty adding to its strength. The department has large and spacious laboratories with a congenial ratio of student to equipment. They get to work, hands-on and get real-time experience under the guidance of the highly accomplished faculty. The department aims to achieve higher levels of glory in the years to come. The students acquire interpersonal and communication skills from the Mechanical Association and promote their professional skills through societies. The Mechanical engineering department providing excellent research opportunities and facilities.

## **RESOURCE PERSONS**

### **1. Dr. N.Baskar**

Professor, Dept of Mechanical Engg.  
Saranathan College of Engineering, Trichy.

### **2. Dr. P.Sathiya,**

Professor & Head, Dept of Production Engg.  
NIT, Trichy.

### **3. Mrs. A.Santhakumari,**

Addl.General Manager, WRI  
BHEL, Trichy.

## **INDUSTRIAL VISIT**

SIEMENS - NIT, Trichy.

## **OBJECTIVE OF THE WORKSHOP**

The workshop is organized to provide a platform to share the knowledge pertaining to thrust area pointing to research projects and standardization efforts. The main objective of this two days workshop is to know the Friction Stir Welding Process. Alloys are widely used in many emerging fields of aerospace industry and marine industry. Similar and dissimilar process is challenging one due to variation in chemical composition and mechanical properties. Surely, the outcome of this workshop will kindle the mind set of Research scholars, PG Students and industry person to learn and promote their research work in the thrust area of metal joining processes.

## **CONTENTS**

This seminar covers a complete solution for,

- ❖ Introduction about Friction Stir Welding Process
- ❖ SEM Image analysis
- ❖ Optimization Techniques
- ❖ Industrial visit