

# AICTE

Sponsored  
SIX DAYS ONLINE  
SHORT TERM TRAINING PROGRAM  
ON

SERVICE ORIENTED APPLICATIONS: CONCEPTS,  
TECHNOLOGY, DESIGN AND DEVELOPMENT

## REGISTRATION DETAILS

- Registration fee: NIL
- For Registration  
<https://forms.gle/Fv18p7XodHKT8FNZ6>
- Last date for Registration:  
**09.10.2020**
- Intimation of selection by E-mail:  
**10.10.2020**
- The participants have the option to choose any one of the following slots.  
**Slot 1: 12<sup>th</sup> Oct 2020 to 17<sup>th</sup> Oct 2020**  
**Slot 2: 23<sup>rd</sup> Nov 2020 to 28<sup>th</sup> Nov 2020**  
**Slot 3: 07<sup>th</sup> Dec 2020 to 12<sup>th</sup> Dec 2020**
- E-Certificate will be provided to the participants who attend and qualify the test.

### Address for Communication

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**Shri. R. S. Munirathinam** Founder and Chairman

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### Coordinator

Dr. K. Chidambarathanu Associate Professor

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Organized by

**DEPARTMENT OF  
INFORMATION TECHNOLOGY**

**R.M.K. ENGINEERING COLLEGE**

**(An Autonomous Institution)**

RSM Nagar, Kavaraipettai - 601 206, Gummudipoondi Taluk, Tiruvallur District.  
Affiliated to Anna University, Chennai/Approved by AICTE, New Delhi  
Accredited by NAAC with A+ Grade / ISO 9001:2015 Certified Institution  
All the eligible UG Programmes are accredited by NBA, New Delhi.

## About the Institution

R.M.K. Engineering College started in the year 1995, has been achieving Academic Excellence for the past 25 years. Our Institution has always been in top 10 positions among all the Engineering colleges affiliated to Anna University and also has maintained excellent placement record. In 2008, the College was conferred Bhartiya Vidya Bhavan National Award for its Overall Performance followed by the “Best Principal” Award in the year 2012, by the Indian Society for Technical Education (ISTE) New Delhi. Our College is accredited by NAAC with A+ Grade for 5 years and NAAC has approved our Institution to mentor 10 institutions for NAAC accreditation. All the eligible UG programmes are accredited by NBA. Our Institution is ranked 155 in the NIRF ranking under the Engineering institutes category in the year 2020, was ranked 6th across the country in SWACHHTA 2017 ranking by MHRD, Govt. of India and ranked in the Band A(6-25) in ARIIA Ranking 2020. The College has been rated four-star rating under Institution Innovation Council(IIC)MIC, MHRD, Govt. of India. In the AICTE – CII survey our Institution has been awarded, the Best Industry linked Technical institute for Electronics Engineering & Allied (Degree) in the year 2015, Computer and IT Engineering & Allied(Degree) in the year 2018 and Mechanical Engineering & Allied (Degree) in the year 2019.

## About the Department

The Department of Information Technology was established in the year 1999. The Department has well qualified, highly experienced and dedicated team of faculty members. The Department has been accredited by NBA for three years which is valid till June 2022 and awarded Best Industry Linked Institute Award by AICTE-CII in the year 2018. Virtusa has adopted B.Tech Information Technology student’s right from the first year till final year to empower their competencies with future digital skills and prepare them to be job ready. Virtusa has designed B.Tech Information Technology curriculum focusing on Full Stack Web Development that is of huge demand in the industry.

The department organizes Short-Term Training Programs, Faculty Development Programs, Workshops and Seminars as part of continuing education for skill up-gradations of faculty members. National Conference is organized annually to inspire and stimulate new ideas in the field of Information Technology. Students are encouraged to be part of Professional Societies like Association for Computing Machinery(ACM), The Institution of Engineers, India (IEI), Indian Society of Technical Education (ISTE) and the IT Students Association. Students participate in various technical events like Paper Presentation, Project Contest, Quiz, Coding Contest, Model Building and Prototype Contest organized by these Students Chapters and Association. Students also organize and participate in various intra-department competitions conducted by Technical Club. The National Level Technical Symposium is organised every year as part of IT Student Association to provide a platform to other college students to display their talents.

### VISION

- To be the most preferred destination in the country for imparting education in Information Technology, at the undergraduate and research levels.
- To transform the learners into innovators at the global level to provide solutions for emerging societal challenges.

### MISSION

- To provide an infrastructure and adopt creative teaching techniques to promote participatory learning.
- To develop high personal and professional values, technical competence and a spirit of innovation and entrepreneurship.
- To encourage the desire for higher learning and research, to address global challenges.
- Collaborate with industry to gain knowledge on their current trends.
- To provide opportunity for nurturing skills that leads to career excellence.

## About the STTP

Service-Oriented Architecture (SOA) is a style of software design where services are provided to the other components by application components, through a communication protocol over a network. Its principles are independent of vendors and other technologies. The STTP aimed to equip the participants with the knowledge on SOA with hands on training and explore the research opportunities in the area of Service Oriented Architecture.

## Objective of the STTP

The objectives of the STTP is to make the participant understand and work in the context of Service Oriented Architectures (SOA), WSDL, SOAP, RESTful Services, Microservices, Security and also to focus of the research opportunities in this domain.

## Topics Covered

- Introduction to Service Oriented Architecture
- Principles, Analysis and Modeling
- Web Service Framework
- RESTful Web APIs
- RESTful APIs using nodejs
- Cloud and Micro Service
- Sematic Web
- Web Service Security

## Resource Persons

Eminent persons from organizations like NIT, Anna University, Thiagarajar Engineering College, Amirta University and Industries like Virtusa Software Services, HP Entreprise, HCL Technologies and Accenture will deliver the sessions.

## Eligibility for Participation

This training is open to Faculty members and Research Scholars of AICTE approved Institutes and Engineers from R & D Organization and Industries.