

Chief Patron

Dr. M. Mohan Babu
Chairman, SVET

Patron

Prof. T. Gopala Rao
Special Officer, SVET

Advisors

Dr. D. V. S. Bhagavanulu, Director, SVEC
Dr. P. C. Krishnamachary, Principal, SVEC

Coordinator

Dr. K. Ramani
Professor & Head, Dept. of IT, SVEC

Co-Cordinators

Mr. Shaik Munwar,
Assistant Professor, Dept. of IT, SVEC
Mr. P. Bhasha
Assistant Professor, Dept. of IT, SVEC

Organizing Committee

1. Dr. L. V. Reddy, Professor
2. Mr. A. Srinivasulu, Associate Professor
3. Dr. K. Khaja Baseer, Associate Professor
4. Dr. Vellingiri J, Associate Professor
5. Mr. V. Lokanadham Naidu, Asst. Professor (SL)
6. Ms. V. Jyothsna, Asst. Professor
7. Dr. O. Obulesu, Asst. Professor
8. Ms. E. Sandhya, Asst. Professor
9. Mr. G. Uma Mahesh, Asst. Professor
10. Mr. G. M. Chanakya, Asst. Professor
11. Ms. K. Nirmala, Asst. Professor
12. Mr. M. Thrilok Reddy, Asst. Professor
13. Ms. C. Silpa, Asst. Professor
14. Ms. K. Lakshmi Prasanna, Asst. Professor
15. Mr. C. Kishroe, Asst. Professor
16. Mr. B. Bhaskar Kumar Rao, Asst. Professor
17. Mr. Mahendra M, Asst. Professor
18. Mr. A. Ramprakash Reddy, Asst. Professor
19. Mr. V. S. V. S. S. M. Chakradhar, Asst. Professor
20. Ms. Ch. Prathima, Asst. Professor
21. Mr. Ch. Sreenu Babu, Asst. Professor
22. Mr. L. Gopikrishna, Asst. Professor
23. Ms. B. Sangamitra, Asst. Professor

REGISTRATION FORM

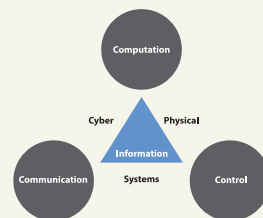
AICTE Sponsored Two-Week National Level
Faculty Development Program on

Challenges and Current Solutions of Cyber Physical Systems 11th to 23rd December, 2017

1. Name: _____
2. Designation: _____
3. Qualification: _____
4. Department: _____
5. Organization: _____
6. Mobile No.: _____
7. Email ID: _____
8. Address for Communication: _____

Place: _____ Signature of Applicant

Date: _____ Signature of the
Head of the
Institution/Department



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AICTE Sponsored
Two-Week National Level
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on

CHALLENGES AND CURRENT SOLUTIONS OF CYBER PHYSICAL SYSTEMS 11th TO 23rd DECEMBER 2017



Organized by
DEPARTMENT OF INFORMATION TECHNOLOGY



SREE VIDYANIKETHAN ENGINEERING COLLEGE
(AUTONOMOUS)

ABOUT THE COLLEGE

The College was established in 1996 by Sree Vidyanikethan Educational Trust under the stewardship of Dr. M. Mohan Babu, Padma Shri Awardee, renowned film artiste and former member of Parliament (Rajya Sabha).

- Approved by **AICTE**, New Delhi and affiliated to Jawaharlal Nehru Technological University, Anantapuramu.
- The college was conferred '**Autonomy**' by **UGC**, New Delhi.
- 6 UG and 4 PG Programs are accredited by **National Board of Accreditation (NBA)**, New Delhi.
- Awarded 'College with potential for Excellence' by **UGC, New Delhi under XII Plan period UGC-CPE** scheme.
- The college is accredited with "A" grade by **NAAC**.
- Offers **B.Tech Program** in 08 disciplines, **M.Tech Program** in 08 specializations and MCA.
- Extensive Computing facilities with **2000+ computers**.
- Centrally Air-conditioned Auditorium, e-classrooms and Seminar Halls.
- Completed **TEQIP-II** under Sub Component 1.1: Strengthening Institution to improve learning outcomes and employability of graduates with a grant of Rs. 4 Crores. An additional fund of Rs. 2 crores obtained as one of the best performing Institution.
- MoUs with 20 Industries / Institutions including **IIT - Hyd, IITM-QEEE, CII-Hyd & ISB-Hyd**.
- **Vibrant placements for both UG & PG.**

The Department of Information Technology was established in the year 1997 with an intake of 30 offering B.Tech program in Information Technology. The intake has been increased to 60 during the year 1998-1999 and further increased to 120 during the year 2000-2001. The department offers M.Tech Program in Software Engineering from academic year 2009-2010.

The Department is headed by Dr. K. Ramani, who has 19 years of teaching experience and is supported by well qualified faculty.

OBJECTIVES OF THE FDP

- I. To impart knowledge on
 - a. Working principles of CPSs
 - b. Sensing technology
 - c. Protocols and security issues
 - d. Role of data analytics in CPSs
 - e. Cyber-physical applications to automotive manufacturing, supply chain management, transportation & logistics, energy & environment, and healthcare.
- II. Theoretical foundations of controlling / managing / monitoring of Cloud-assisted, IoT-based, Cyber Physical Systems.
- III. To train on System design methodologies for Cyber Physical Systems.
- IV. To provide awareness on software platforms for managing cloud based CPS.
- V. To provide hands-on experience in Open Source Tools of CPSs.
- VI. To create awareness on various research and industry challenges.

CONTENTS

- Introduction to CPSs and System design methodologies for Cloud-assisted large-scale Cyber-Physical Systems.
- Theoretical foundations of monitoring of IoT-based Cyber-Physical Systems.
- Software Platforms for managing of Cloud-assisted Cyber-Physical Systems.
- Sensor Technology and Automotive Applications
- Machine Learning for CPSs.
- Sensor Network Protocols for CPSs
- Big Data Analytics for CPSs and Open Source Tools with Case Studies
- Cyber-physical Applications to Energy & Environment, and Healthcare.
- IoT Security, Industrial IoT Case Studies
- Cyber Security in CPSs, Validation of CPSs.

RESOURCE PERSONS

Domain experts from IITs, NITs, Software Industries and well reputed Institutions.

ELIGIBILITY

Faculty from AICTE recognized Engineering colleges.

IMPORTANT DATES

Last date for Registration: *25th November, 2017*

Date of intimation to selected candidates: *30th November, 2017*

GENERAL INFORMATION

1. No Registration Fee.
2. The number of participants is limited to 60.
3. TA will be paid to participants as per AICTE norms.
4. Lodging and Boarding will be provided in the college premises.
5. Registration form is to be sent to the address given below.

COORDINATOR

Dr. K. Ramani
Professor & Head

Department of Information Technology
SREE VIDYANIKETHAN ENGINEERING COLLEGE
(AUTONOMOUS)
Sree Sainath Nagar, Tirupati - 517 102 (A.P)

FOR FURTHER DETAILS

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