

Registration Form

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Dr. M. Mohan Babu
Chairman, SVET

Advisors

Dr. P. C. Krishnamachary, Principal, SVEC
Dr. D. V. S. Bhagavanulu, Director, SVEC
Dr. K. C. Varaprasad, Head of the Department, ME

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Mr. T. Naveen Kumar, Asst.Prof

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Department of Mechanical Engineering

SREE VIDYANIKETHAN ENGINEERING COLLEGE (Autonomous)
(Accredited by NBA and NAAC 'A' Grade, Affiliated to JNTUA, Ananthapuram)
Sree Sainath Nagar, Tirupati - 517 102 (A.P)
Ph: +(91) 877-2236711-14 Fax:0877-2236717
www.svec.education

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Two-Day Faculty Development Programme on “Computational Fluid Dynamics using OpenFoam”

(December 20-21, 2019)



Organized by
Department of Mechanical Engineering

SREE VIDYANIKETHAN ENGINEERING COLLEGE (Autonomous)
(Accredited by NBA and NAAC 'A' Grade, Affiliated to JNTUA, Ananthapuram)
Sree Sainath Nagar, Tirupati - 517 102 (A.P)
Ph: +(91) 877-2236711-14 Fax:0877-2236717
www.svec.education

College Profile:

- SVEC was established in 1996 by Sree Vidyanikethan Educational Trust under the stewardship of Dr. M. Mohan Babu, renowned film artiste and former member (Rajya Sabha).
- Approved by AICTE, New Delhi and affiliated to Jawaharlal Nehru Technological University, Anantapuramu. Majority of the programs are accredited by NBA, New Delhi.
- The college conferred 'Autonomy' by UGC, 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.
- Central Auditorium, E-Class Room and state of the Art Seminar Halls.
- Internet facility with 110 MBPS leased line.
- Offers Ph.D Programs in EEE and ECE.
- The College has been ranked 167 in the NIRF ratings for the year 2019.
- Rated "AAA" by "Careers 360" a Popular English Magazine.
- Established National MEMS Design Centre, Atmospheric Research Lab.
- Extensive Computing facilities with 2000+ computers.
- 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

Location:

The Institution is located 16KM from the temple town of Tirupati on Tirupati – Madanapalle National Highway 205.

<https://goo.gl/maps/SxeqCCprSuMpkTME7>

KINDLY SCAN QR CODE FOR LOCATION



About Department:

The Department of Mechanical Engineering in Sree Vidyanikethan Engineering College was established in 2011 with an intake of 60. In the year 2012-13 intake has been increased to 120 students besides starting a diploma course with an intake of 60 students. In the year 2013-2014 intake has been increased to 180 and diploma 120. At present, the Department has 6 Professors, 10 Associate Professors and 14 Assistant Professors. The Department is conducting various knowledge development programs such as symposiums, workshops, technical paper contests at the National level for the benefit of the faculty and students.

About the Programme:

Dynamics of fluid play an important role in nature. Almost all the objects that exist in nature either have fluid flowing inside or surrounding it. Hence the study of fluid dynamics has become an important aspect of understanding nature as such. In order to study the dynamics of the fluids, three primary approaches have been conceived, 1. analytical, 2. experimental, and 3. numerical. A certain class of fluid dynamics problems uses the numerical approach for getting the primary insights, as the first two approaches would not be feasible at all. In the third approach, numerical methods are applied to governing equations and are popularly known as Computational Fluid Dynamics (CFD). CFD is both an art and science of getting solutions that involve fluid flow, heat transfer and associated phenomena by means of numerical simulations on digital computers. OpenFOAM (Open source Field Operation and Manipulation) is a free and open source toolbox which is used in academia and industry to solve problems of Computational Fluid Dynamics (CFD).

Objectives:

The objective of this course is to introduce the fundamentals of CFD and OpenFoam. In this program, OpenFOAM is used as tool for solving CFD problems.

Course contents:

- Basics of Fluid Dynamics (Governing equations)
- Introduction to Numerical Methods
- OpenFOAM as alternate tool
- Case studies with OpenFoam

Eligibility:

This program is open to the Faculty members of AICTE approved Engineering colleges.

Important Dates:

- Last date for Registration : **December 7th, 2019**
- Intimation to Participants through e-mail : **December 10th to 14th, 2019**



SREE VIDYANIKETHAN ENGINEERING COLLEGE (AUTONOMOUS)

SREE SAINATH NAGAR, TIRUPATI - 517 102 (A.P)

Two-Day Faculty Development Programme on

“Computational Fluid Dynamics using OpenFoam”

(December 20-21, 2019)

REGISTRATION FORM

Name: _____

Designation: _____

Qualification: _____

Department: _____

Address for Communication: _____

Phone: _____

E-mail: _____

Place _____

Date _____

Signature of the Applicant

Signature of the HoD with seal