



**SRI VASAVI ENGINEERING COLLEGE (AUTONOMOUS)**

(Sponsored by Sri Vasavi Educational Society)

Approved by AICTE, New Delhi and Permanently Affiliated to JNTUK, Kakinada

Accredited by NAAC with "A" Grade & Recognized by UGC under sections 2(f) & 12(B))

Pedatadepalli,TADEPALLIGUDEM-534 101, W.G. District, (A.P.)

Department of **BASIC SCIENCES & HUMANITIES**

## **Faculty Development Program** **Applications of Mathematics in Engineering**

Mathematics Section of the Department of Basic Science and Humanities Organized a three day faculty development programme on "Applications Of Mathematics In Engineering" in association with Andhra Pradesh State Skill Development Corporation (APSSDC) from 17<sup>th</sup> to 19<sup>th</sup> Dec. 2018 at Sri Vasavi Engineering College, Pedatadepalli. Nearly 100+ faculty got benefited.



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Pedatadepalli, TADEPALLIGUDEM-534101, W.G.D., Andhra Pradesh

**DEPARTMENT OF BASIC SCIENCES & HUMANITIES**

### **Invitation**

We cordially invite you all to the Inauguration  
of

**A Three Day Faculty Development Programme**  
on

**"APPLICATIONS OF MATHEMATICS IN ENGINEERING"**

Organized by

**Basic Sciences & Humanities Department**

**Venue : Srinivasa Ramanujan Hall of Learning**

**Date : 17<sup>th</sup> December 2018**

**Time : 10.00 A.M.**

**Your presence will add vibrancy to the event**

... .. *BS&H Department* ... ..



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Pedatadepalli, TADEPALLIGUDEM – 534 101. W.G.Dist. (A.P)  
Department of Basic Sciences & Humanities

Date: 13/12/2018

### Programme sheet of A Three Day Faculty Development Programme on "APPLICATIONS OF MATHEMATICS IN ENGINEERING"

Date	Session	Name of the Resource person	Topic
17/12/2018	10.00 AM to 01.00 PM	Dr. G. Radhakrishnamacharya Professor of Mathematics, NIT, A.P.	Mathematical modeling and fluid mechanical aspects of biological systems.
	02.00 PM to 04.30 PM	Sri N. Raja Sekhar HOD, BS&H Department, SVEC	Optimization techniques
18/12/2018	10.00 AM to 01.00 PM	Dr. T.S.R. Murthy Professor of Mathematics & HOD, SVECW	Statistical Methods
	02.00 PM to 04.30 PM	Dr.K.V.V.Seshagiri Rao Professor of Mathematics, KITS, Warangal	Mathematics and Applications in Engineering
19/12/2018	10.00 AM to 01.00 PM	Dr. G.V.S.R. Deekshitulu Professor of Mathematics&HOD, UCEK, JNTUK	Advanced numerical methods and multivariable calculus.
	02.00 PM to 04.30 PM	APSSDC	Mathematical tools with Scilab

Head of the Department  
(Basic Sciences & Humanities)

#### Vision

To be a premier technological institute striving for excellence with global perspective and commitment to the nation.

#### Mission

- To produce Engineering graduates of professional quality and global perspective through learner-centric education.
- To establish linkages with government, industry and Research laboratories to promote R&D activities and to disseminate innovations.
- To create an eco-system in the Institute that leads to holistic development and ability for life-long learning.

## ABOUT SRI VASAVI ENGINEERING COLLEGE

Sri Vasavi Engineering College (SVEC), established in the year 2001, is a premier educational institution where Nature and Technology merge in harmony. The institution offers 5 Undergraduate programs and 6 postgraduate programs. With lofty objectives in perception and deft planning in execution, the institution has secured a respectful position among the highly acclaimed engineering colleges in Andhra Pradesh.

Self-sufficient in ambience and infrastructure, the institution places special emphasis on communication skills, professional work culture and technical competence of the students.

SVEC is approved by AICTE, New Delhi and Accredited by NBA and NAAC with "A" grade. In the year 2018 the college has attained Autonomous status.

The college is an Institutional Member of ISTE, CSI and it also has IETE and CSI student chapters.

## ABOUT BS&H DEPARTMENT

The department of Basic Sciences and Humanities started from the inception of the college. Knowledge in Basic Sciences form the base of Engineering. The department aims to fulfill this function most efficiently. This department is devoted to foster the fundamental principles and understanding of Science to enhance the students' basic knowledge of Engineering. Its objective is to provide value based education to the budding Scientists and Engineers. The department comprises of different courses of study namely English, Mathematics, Physics, Chemistry and Environmental Sciences. The students are highly benefitted by the knowledge and experience of Doctorates, well experienced and highly qualified faculty of this department. Besides academics the department is actively involved in the development of students' personality, communication and soft skills to boost them in the modern and globally competitive environment.

## ORGANIZING COMMITTEE

### Chief Patrons

Sri G. Satyanarayana  
President, SVEC  
Sri Ch. V. V. Subba Rao  
Secretary & Correspondent, SVEC

### Chairman

Dr. Guduru. VNSR. Ratnakara Rao  
Principal, SVEC

### Convener

Sri N. Raja Sekhar  
HOD, BS&H Department, SVEC

### Coordinator

Sri S. Anjed Ali  
Head, Mathematics Section, SVEC

### Organizing Members

- Smt B. Adi Lakshmi, Asst. Professor
- Smt G. S. Prasanthi, Asst. Professor
- Sri Sk. Dhana Prasad, Asst. Professor
- Sri A. Kiran Kumar, Asst. Professor
- Sri D. N. V. Rama Krishna, Asst. Professor
- Sri V. Srinivas, Asst. Professor
- Smt B. V. D. Santhi Lakshmi, Asst. Professor
- Sri T. D. Rama Krishna, Asst. Professor



A Three Day Faculty Development Programme on  
"APPLICATIONS OF MATHEMATICS  
IN  
ENGINEERING"  
17<sup>th</sup> to 19<sup>th</sup> December, 2018



ORGANIZED BY  
DEPARTMENT OF  
BASIC SCIENCES & HUMANITIES  
In association with  
ANDHRA PRADESH STATE SKILL  
DEVELOPMENT CORPORATION (APSSDC)



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(AUTONOMOUS)

Pedatadepalli, Tadepalligudem, W.G. Dist.-534101, A.P.  
Permanently Affiliated to JNTUK, Kakinada  
Accredited by NBA and NAAC with 'A' Grade.

## ABOUT APSSDC

APSSDC is a unique organization formed as a public private partnership (PPP) corporation to promote skill-development & entrepreneurship in the state of Andhra Pradesh. The Corporation now serves as the Executive Agency for the newly formed Department of Skill Development, Entrepreneurship and Innovation. APSSDC will also serve the important task of providing high quality skilled manpower as part of the acknowledge and Skills Mission of GoAP, which is one of the cross-cutting missions among the seven missions formed by the govt to facilitate double digit growth of the state.

## ABOUT SCILAB

The Scilab is free and open source software for numerical computation providing a powerful computing environment for engineering and scientific applications. Scilab includes hundreds of mathematical functions. It is a high level programming language allowing access to advanced data structures, 2-D and 3-D graphical functions, it has ability to interconnect with third party technologies and applications. It can also act as a unique platform to bring together codes written in different programming languages in a single, unified language, thus facilitating their distribution, back-up and use.

## Resource persons and Topics to be covered

- Dr. G.V.S.R. Deekshitulu  
Professor of Mathematics & HOD, UCEK, JNTUK  
Topic: Advanced numerical methods and multivariable calculus.
- Dr. G. Radhakrishnamacharya  
Professor of Mathematics, NIT, A.P.  
Topic: Mathematical modeling and fluid mechanical aspects of biological systems.

Dr. T.S.R. Murthy  
Professor of Mathematics & HOD, SVECW,  
BVRM

Topic: Statistical Methods

- Dr. K.V.V. Seshagiri Rao  
Professor of Mathematics, KITS, Warangal  
Topic: Mathematics and Applications in Engineering

- Sri N. Raja Sekhar  
HOD, BS&H Department, SVEC

Topic: Optimization techniques

- Resource persons from APSSDC  
Topic: Mathematical tools by using Scilab

## Outcomes of the Program

After the participation in the FDP, the faculty shall be able to:

- ❖ Apply mathematical applications in various areas of engineering & technology
- ❖ Use Scilab for teaching and research purpose

## KEY DATES

Last Date for Receiving Application: 14-12-2018

Confirmation of Participation: 15-12-2018

Commencement of the Program: 17-12-2018

## ELIGIBILITY:

The programme is open to the faculty of engineering colleges in Andhra Pradesh.

----- No Registration Fee -----

## ADDRESS FOR CORRESPONDENCE

Sri S. Anjed Ali  
Head, Mathematics Section & Coordinator  
Department of Basic Sciences & Humanities  
Sri Vasavi Engineering College  
Tadepalligudem-534101, A.P.  
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"APPLICATIONS OF MATHEMATICS  
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17<sup>th</sup> to 19<sup>th</sup> December, 2018

## REGISTRATION FORM

Name: K. Srinivasa Rao  
Designation: Asst. Prof.  
Organization: Bhimavaram Institute of Engg. & Tech.  
Official Address: Pennada  
Bhimavaram

Mobile/Telephone: 9866901620

Email: [karaganasrinivas@gmail.com](mailto:karaganasrinivas@gmail.com)

## Declaration

The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the training program and shall attend the course for the entire duration. I also undertake the responsibility to inform the Coordinator in case, I am unable to attend the course.

Place: Bhimavaram

Date: 15/12/18

Signature of the applicant

## CERTIFICATE FROM SPONSORING AUTHORITY

Dr/Mr/Ms. \_\_\_\_\_ is an employee of our Institute/Organization and is hereby sponsored to participate in A Five Day Faculty Development Programme on "APPLICATIONS OF MATHEMATICS IN ENGINEERING" conducted by Dept. of BS&H, SVEC in association with APSSDC during 17<sup>th</sup> - 19<sup>th</sup> December, 2018 at Sri Vasavi Engineering College, Tadepalligudem.



Signature of Head of Institution  
(With seal)  
BHIMAVARAM INSTITUTE OF  
ENGINEERING & TECHNOLOGY











