

# **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> to19<sup>th</sup> Dec. 2018 at Sri Vasavi Engineering College, Pedatadepalli. Nearly 100+ faculty got benefited.



SRI VASAVI ENGINEERING COLLEGE (Autonomous) Pedatadepalli, TADEPALLIGUDEM-534101, W.G.DL, 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: 17th December 2018

Time : 10.00 A.M.

## Your presence will add vibrancy to the event

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

c principal@srivasaviengg.ac.in svec.a8@gmail.com



8 : 08818- 284344, 355

# SRI VASAVI ENGINEERING COLLEGE (AUTONOMOUS)

(Sponsored by Sri Vasavi Educational Society) (Approved by AICTE, New Delhi & Permanently affiliated to JNTUK, Kakinada) (Accredited by NAAC with 'A' Grade ,Recognized by UGC under section 2(f) & 12(B)) 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. 4	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

N. Jjan Marine

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.
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### 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. The department of Basic Sciences and Humanities

### 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. Amjed Ali Head, Mathematics Section, SVEC

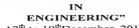
### Organizing Members

- 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







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



### Sri Vasavi Engineering College

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

### ABOUT SPSSDC

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. Radhakríshnamacharya 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. Amjed Ali liead, Mathematics Section & Coordinator Department of Basic Sciences & Humanities Sri Vasavi Engmeering College Tadepalligudem-534101, A.P. Mobile No. 09492702686 Email: rajasekhar.nanubolu@srivasaviengg.ac.in

### A Three Day Faculty Development Programme **\*APPLICATIONS OF MATHEMATICS** IN

ENGINEERING" 17th to 19th December, 2018

Name: K. Stinivara Rao

Designation ASSOC Prof

Mobile/Telephone: 9866901020

Email: Karaga vas riviveog Marit- Long 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 co

Place: Bhimavaray Date: 15 12 18

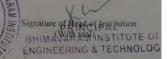
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### CERTIFICATE FROM SPONSORING AUTHORITY

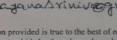
Dr/Mr/Ms

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 associate www. TSSDC during 17<sup>th</sup> – 19<sup>th</sup> December, 2018 at Store avi Engineerine College, Tadepalligudem.



Signature of the applicant



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Organization Bhimavaray Infitute of Engg. G

Official Address Pennada

**REGISTRATION FORM** 







