

## CONTACT

### FOR FURTHER INFORMATION CONTACT

**Mrs. V.T. Lakshmi (Convenor)**  
Professor & Head,  
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VMKV Engineering College,  
Salem – 636 308.

Cell: 9843530887, 9942784184

Email: ncms2012@gmail.com

## SUBMISSION OF PAPERS

The authors are requested to submit their papers as per the following guidelines to the convenor.

- A soft copy and hard copy of full paper.
- A4 size paper with 1-5 line spacing
- Font : Times New Roman, Title – 16 pts, Text – 10 pts
- Maximum 10 pages.
- Should contain the name of the author(s) with address and email ID.
- Electronic submission will be appreciated.
- The abstract for paper presentation not exceeding 200 words is required to be submitted by e-mail to the convenor.

## REGISTRATION FEE

Research/Academic/Student - Rs 300/-

DD can be drawn in favour of "PRINCIPAL VMKV Engineering College" Payable at Salem

## IMPORTANT DATES

Submission of Abstract (Last Date) : 23<sup>rd</sup> January 2012  
Intimation of Acceptance of abstract : 25<sup>th</sup> January 2012  
Deadline for submission of full papers : 30<sup>th</sup> January 2012  
Last date for Receipt of Registration fee : 30<sup>th</sup> January 2012

## ORGANISING COMMITTEE

- Dr. (Mrs). Rajalakshmi Rajagopal
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## NATIONAL CONFERENCE ON



### "MATHEMATICAL MODELLING AND SIMULATION" (NCMS'12)

11<sup>th</sup> February 2012

(Under the auspicious occasion of SILVER JUBILEE celebrations of the college and to celebrate the year of Mathematics -2012)



Organized by

Department of Mathematics  
VMKV ENGINEERING COLLEGE  
VINAYAKA MISSIONS UNIVERSITY  
(NBA-AICTE, New Delhi Accredited and an ISO 9001:  
2000 certified Institution)  
Periaseeragapadi, Salem 636 308  
TamilNadu – India  
University Website: [www.vmu.edu.in](http://www.vmu.edu.in)  
College website: [www.vmkvec.ac.in](http://www.vmkvec.ac.in)

#### ABOUT THE UNIVERSITY

In the year 1981, Dr. A. SHANMUGASUNDRAM, a noted philanthropist and an educationalist of Salem has started an Engineering College under Thirumuruga Kirupananda Variyar Thavathiru Sundara Swamigal Medical, Educational and Charitable Trust in the name "Vinayaka Mission's Kirupananda Variyar Engineering College". In recognition of the trust's excellence in education, it was awarded Deemed University status in the year 2001, and subsequently to that of a University by MHRD, Government of India under section 3 of the UGC ACT 1956. The Vinayaka Missions University (VMU) offers diplomas, degrees and career in the fields of Engineering, Medicine, Dental, Paramedical Sciences, Homeopathy, Management and Basic sciences.

#### ABOUT THE INSTITUTION

The Vinayaka Mission's Kirupananda Variyar Engineering College (VMKVEC) was started in the year 1987 to impart technical education to the rural population in this part of the country and we are very proud to say that we are on the threshold of the Silver Jubilee year. It is one of the reputed Engineering Colleges in Tamil Nadu to cater to the educational demands in and around Salem. This institution was modestly started with three Departments namely Electronics and Communication Engineering, Mechanical Engineering and Computer Science Engineering duly approved by AICTE, New Delhi and affiliated to the University of Madras. This college was affiliated to universities such as Periyar University and Anna University till 2004 and it became a constituent college of VMRF Deemed University in the year 2004. The institution is situated ideally in a calm and serene atmosphere surrounded by beautiful mountain and greenery. It is located on the National Highways NH 47 leading from Salem to Coimbatore. It offers various undergraduate and postgraduate courses in Engineering and Technology.

#### ABOUT THE DEPARTMENT

25 years is a milestone in the annals of a Department. The Department of Mathematics of Vinayaka Missions Kirupananda Variyar Engineering College was started when VMKVEC came up in the year 1987 and it started growing along with the institution. The Department completes its 25 years of yeomen service during 2012-2013. The Department decided to celebrate this momentous occasion in a meaningful way by conducting this National Conference on "Mathematical Modelling and Simulation". This serves the needs of about 20 Engineering and Science departments of the University. It has highly qualified and experienced faculty members. It is one of the active departments of the University and it offers PG, M.Phil and Ph.D programmes in Mathematics. It is commendable that today, most of the faculty in the department have doctoral degrees and is working towards making the department a full-fledged research department.

#### OBJECTIVES

The main objective of this conference is to provide a timely forum as it is important to exploit application oriented ideas to meet the crucial requirements in solving Mathematical problems. It is a right time that the conference focuses on Mathematical Modelling and Simulation. Decision making often involves mathematical modeling with performance measures, analysis and selection of appropriate alternatives and implementation. In this context, Mathematical Modelling with its interdisciplinary approach has an important role to play. It is indeed fitting to conduct a national level Conference on "MATHEMATICAL MODELING AND SIMULATION" (NCMS'2012). The academic programme will consist of invited lectures and paper presentation sessions.

#### CALL FOR PAPERS

The conference focuses on the following major topics.

- Fluid Dynamics
- Mechanics
- Queuing Theory
- Number Theory
- Numerical Methods in Science and Engineering
- Graph Theory
- Fuzzy Logic and Its Applications
- Stochastic Processes
- Computational Mathematics

Papers in the thrust areas of the conference are invited for presentation as well as to be considered in the Proceedings of the conference. Proceedings will be published after a refereeing process either as a publication of the Department of Mathematics or through some leading publishers at the National level. Soft copies as well as hard copies may be sent along with the registration form to the convenor.

#### INVITED SPEAKERS

Eminent professors in Mathematics from various reputed institutions and universities will give invited Lectures.

### 25 YEARS OF EXCELLENCE VINAYAKA MISSIONS UNIVERSITY VMKV ENGINEERING COLLEGE, SALEM

#### DEPARTMENT OF MATHEMATICS NATIONAL CONFERENCE ON "MATHEMATICAL MODELLING AND SIMULATION" (NCMS'12)

11th February 2012

#### REGISTRATION FORM

Name : \_\_\_\_\_  
Designation : \_\_\_\_\_  
Institution : \_\_\_\_\_  
Address for Correspondence : \_\_\_\_\_  
Office : \_\_\_\_\_  
Permanent address : \_\_\_\_\_  
E-mail : \_\_\_\_\_  
Phone No : \_\_\_\_\_  
Office : \_\_\_\_\_  
Mobile : \_\_\_\_\_  
Residence : \_\_\_\_\_  
Presenting a Paper : Yes / No  
Help Needed for  
Accommodation : Yes / No

(Accommodation can be made only on Payment)

Details of the payment for

Registration:

DD. No	Amount Rs.	Date	Bank

Date:

Signature



**NATIONAL CONFERENCE ON "MATHEMATICAL  
MODELLING AND SIMULATION"  
(NCMS'12)  
DEPARTMENT OF MATHEMATICS  
VMKV ENGINEERING COLLEGE, SALEM - 636308  
11<sup>th</sup> February 2012**



**CHIEF PATRON**

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Dean-S&H, Vel Tech University,  
Chennai

**Dr. (Mrs) Rajalakshmi  
Rajagopal.**  
Dean-S&H, VMKVEC, Salem-308

Dear Sir / Madam,

We are organizing a National Conference on "Mathematical Modelling and Simulation" [NCMS'12] on 11th February 2012. The pamphlet for this is being sent herewith. Kindly make publicity for this conference and circulate the pamphlet to all the departments of the college. We are looking forward for your active participation in the conference.

Thanking you,

Yours Faithfully,

**Mrs. V.T. Lakshmi (Convenor)  
CONVENOR**

Professor & Head,  
Department of Mathematics,  
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