

ORGANIZING COMMITTEE

CHIEF PATRON:

Dr. Nalla G. Palaniswami, Chairman

PATRON:

Dr. Thavamani D. Palaniswami, Secretary

ADVISORY COMMITTEE

Dr. P. R. Muthuswamy, Principal

Dr. K. Durairaj, Vice- Principal

Prof. R. Kandasamy, Director- Mathematics

Dr. R. Sowrirajan, Hod - Mathematics

CONVENER:

Dr. S. Eswaramoorthi, Assistant Professor - Mathematics

ORGANIZING MEMBERS:

Faculty of the Department of Mathematics

LIST OF SPEAKERS

1. **Dr. M. Sankar**,

Presidency University,
Bangalore, Karnataka.

2. **Dr. E. Natarajan**,

Indian Institute of Space Science and Technology,
Kerala.

3. **Dr. B. Rushi Kumar**,

School of Advanced Studies,
VIT University, Vellore.

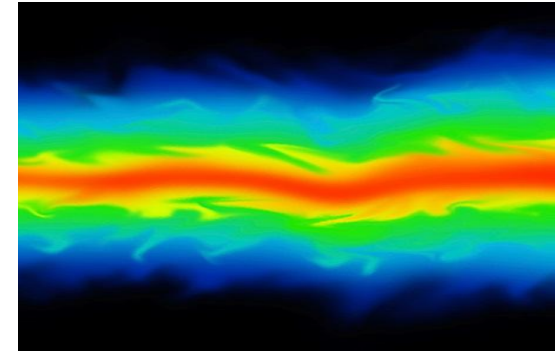
4. **Dr. P.A. Dinesh**,

M.S. Ramaiah Institute of Technology,
Bengaluru, Karnataka.

NATIONAL WORKSHOP

ON “COMPUTATIONAL METHODS FOR FLUID DYNAMICS”

23rd to 25th November 2017



Organized by



Department of Mathematics

Dr. N.G.P. Arts and Science College (Autonomous)

(Affiliated to Bharathiar University and
Re-Accredited by NAAC with A Grade)

Dr. N.G.P. – Kalapatti Road, Coimbatore – 641 048

Sponsored By



Dear Sir/Madam

We take great pleasure in informing you that the Department of Mathematics, Dr. N. G. P. Arts and Science College, Coimbatore is organizing a Three-Day National Workshop on “**Computational Methods for Fluid Dynamics**” during 23rd to 25th November 2017. We cordially invite the members of the Faculty, Research Scholars and Students of your esteemed institution to participate in this Workshop.

ABOUT THE COLLEGE

Dr. N. G. P. Arts and Science College is an institution of Kovai Medical Center Research and Educational Trust (KMCRET). It was established in 1997 and governed by Dr. Nalla G. Palaniswami, Chairman and Dr. Thavamani D. Palaniswami, Secretary. Our objective is to provide proper education, training and research facilities to the students of our nation. The institution has grown in all its splendor and grace with the great enthusiasm and support of the Management.

ABOUT THE DEPARTMENT

The Department of Mathematics was established in the year 1997. The Under Graduate programme was instituted in 2003, the Post Graduate programme was instituted in 2006 and was later upgraded for M.Phil course in the year 2011. The department has produced some distinguished university ranks. The department inculcates good research culture and motivates the students for product development in order to meet out the expectations of the current scenario with their best performance. We have a dedicated team of experienced faculty to enrich the knowledge capacity of the students.

ABOUT THE WORKSHOP

Computational Methods for Fluid Dynamics (CMFD) is the area of engineering that deals with the numerical simulation and analysis of fluid flows encountered by an engineer (mechanical, automobile, aeronautical, civil, environmental and so on) frequently. The aim of this workshop will give the analytical and numerical techniques for solving Fluid Dynamics problem for Researchers and young Faculties. The expert in CFMD will give the brief introduction about the mentioned topic and provide the hands on training.

Topics Covered

- **Introduction to Fluid Dynamics**
- **Introduction to heat transfer**
- **Introduction to Boundary layer**
- **Finite Difference Method**
- **Finite Element Method**
- **Homotopy Analysis Method**

REGISTRATION FEE: Rs 700 /-

The Registration Fee covers the workshop kit, refreshment and lunch during the workshop days only. The number of participants is limited to 50. Those who are interested can register their details in the prescribed format on or before **02/10/2017**. The selected participants are intimated through E.Mail. The selected participants must pay the prescribed fees within 10 days from the intimation of their selection.

LOCATION:

The institution is located in Kalapati road near Coimbatore Civil Aerodrome, about 2.5 km from SITRA, falling at Dr. N.G.P Nagar.

ACCOMMODATION:

Paid accommodation will be arranged to all the registered outstation participants on the first come first serve basis (on request). For details contact the Convener.

MAILING ADDRESS

CONVENER:

Dr. S. Eswaramoorthi

Department of Mathematics

Dr.N.G.P Arts and Science College

Coimbatore-641 048

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NATIONAL WORKSHOP
ON
COMPUTATIONAL METHODS FOR FLUID
DYNAMICS

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23rd to 25th November 2017

REGISTRATION FORM

Name(in BLOCK LETTERS):.....

Designation :.....

Institution :.....

Full Address

of Institution :.....

Mobile No. :.....

E-mail Id :.....

DD No. / Cash :.....

Name of the bank :.....

(Draft in favor of **Department of Mathematics, Dr.N.G.P.Arts and Science College, Coimbatore – 48**)

Date :

Place :

Signature