

UGC-SAP (DRS II)
NATIONAL WORKSHOP ON SOFT
COMPUTING AND MATHEMATICAL
MODELING
(NWSCMM – 2010)

FEBRUARY 15- 20, 2010



Organized by
Department of Mathematics
Gandhigram Rural Institute – Deemed University
Gandhigram – 624 302
Tamil Nadu

Organizing Committee

| | |
|-------------|--|
| Patron | Prof. Dr. S.M. Ramasamy Vice - Chancellor |
| Convenor | Dr. P. Balasubramaniam |
| Co-Convenor | Dr. R. Uthayakumar |
| Members | Shri. S. Parthasarathy Dr. S. R. Kannan |

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REGISTRATION FORM

Name :

Designation :

Address :

Phone (off) :

(Res) :

Email :

Research/Teaching Experience :

Area of interest (Kindly put a tick mark against your area of interest):

Nonlinear Dynamical Systems : Yes/No

Fractal Theory : Yes/No

Fuzzy Set Theory : Yes/No

Graphs and algorithms : Yes/No

Neural Networks : Yes/No

Justification of your participation :

Do you need accommodation : Yes/No

Date:

Signature

Advisory Committee

Dr. N.Rudriah, former Vice-Chancellor,
Gulbarga University.

Dr. S. Ponnusamy, IIT – Madras, Chennai.

Dr. P.Kandaswamy, Bharathiar University,
Coimbatore.

Dr. N.Ramanujam, Bharathidasan University, Trichy.

Dr. K.Balachandran, Bharathiar University,
Coimbatore.

Dr. G.Arivarignan, M. K. University, Madurai.

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Dr. N.Palaniappan, Alagappa University, Karaikudi.

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and Technology, ISRO, Trivendrum.

Dr. K.Murugesan, NIT, Trichy

Dr. T.Tamizh Chelvam, M. S. University, Tirunelveli.

Dr. P.Veeramani, IIT, Chennai.

Dr. J.Paulraj Joseph, M. S. University, Tirunelveli.

Dr. S.Muralisankar, M.K University, Madurai.

Dr. V.Lakshmana Gomathi Nayagam, NIT, Trichy.

Dr. S.Marshall Anthony, Anna University,
Coimbatore.

ABOUT OUR UNIVERSITY

The Gandhigram Rural Institute was founded in 1956 with underlying faith and deep devotion to Mahatma Gandhiji's Ideals and attained the status of deemed University in 1976. Today, it has become a National and Internationally reputed University for its contribution to rural higher education. In the Silver Jubilee year 2001-2002 the University was accredited with Five Star Status by NAAC.

ABOUT THE DEPARTMENT

The Department of Mathematics was established in the year 1965 and it offers three year under graduate degree in Mathematics and two year post graduate degree in Mathematics. In addition M.Phil., and Doctoral programme are offered in several branches of Mathematics and Computer Applications,

Optimization Theory and Algorithms, Mathematical Modeling, Control Theory, Neural Networks, Pattern Recognition, Stochastic differential Equations, Cryptosystems, Graph Theory, Fractal theory and fuzzy set theory. The department has a moderately good library with over 4500 books and back volumes of several journals. This library is receiving **NBHM** library grant in addition to the UGC grants every year. The UGC has sanctioned the Special Assistance Programme (SAP) at the first level of Departmental Research Support (DRS) for five years from 2004. Recently the Department is also receiving the second level **DRS II** and **FIST** grant from Department of Science and Technology (DST). On 21st August 2006, the department has signed MoU for Scientific Collaboration with department of Mathematics Yonsei University, Seoul, South Koera.

ABOUT THE WORKSHOP

Soft computing and Mathematical modeling are emerging frontier areas of research that play an important role in enhancing the efficiency of any networking mainly Computer networking and communication networking. Area of fuzzy set theory, neural network, fractal theory, cryptography, graphs and algorithms play a vital role as far as application side is concerned. All the above areas are very useful for designing suitable models for solving complex problems of geospatial facility location, in designing structural measures of instability in social systems etc. Almost all industrialists, scientists, engineers and researchers in science disciplines are applying the soft computing models. The main purpose of this workshop is to bring together experts and young researchers working in the above said areas. The workshop envisages elaborate lectures by leading resource persons and other experts, interactive discussions, problem-solving, and identifying frontline research problems/objectives, for being taken up by researches for intensive study through projects and other modes in the following thrust areas:

- **Nonlinear Dynamical Systems**
- **Cryptography**
- **Fractal Theory**
- **Fuzzy Set Theory**
- **Graphs and algorithms**
- **Neural Networks**
- **Stability Analysis**

REGISTRATION FOR THE WORKSHOP

A limited number of participants will be selected for attending the Workshop. First preference will be given to Faculty Members and Research Scholars those who have been working in the above said areas. No registration fee collected from the participants. For each participant, we provide only Workshop kit and food for six days. Due to paucity of funds, no TA and accommodation will be provided for participants. The accommodation has been arranged for participants at University Guest House on payment of Rs.50/- per day per head.

Important Dates

Last date of submission of Applications : January 20, 2010

Intimation of Selection by E-Mail/Phone : January 28, 2010

Contact details:

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