



# Balasore College of Engineering & Technology

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WSCA - 2007

Date: 01.12.2007

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**PATRON:**

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Prof. S. Nayak, F.M.(Auto) College.

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Dr. S. Ghosh, Jadavpur University, Kolkata.  
Dr. S.N.Dehuri, Fakir Mohan University, Balasore  
Prof. B.B. Mishra, CEB, Bhubaneswar,

To,

**The Director / Principal / HOD**

Sub : Invitation for participation in the Three Days Workshop on "Soft Computing & it's Applications" from December 23<sup>rd</sup> - 25<sup>th</sup>, 2007.

Dear Sir / Madam,

It is our great pleasure to inform you that Balasore College of Engineering and Technology is organizing a Workshop on "Soft Computing & it's Applications" in collaboration with OITS, Balasore-Chapter from December 23<sup>rd</sup> - 25<sup>th</sup>, 2007 for teachers of engineering colleges who are teaching & having an interest in this area to update their knowledge with some practical orientation. The brochure containing the details about the workshop is enclosed herewith.

Kindly circulate the brochure among the faculties and research scholars of your esteemed organization/department. I am sure that your organization will actively participate to this workshop.

Expecting your kind cooperation in this regard.

Thanking you,

Yours truly,

*Convenor  
WSCA - 2007*

**WORKSHOP ON**  
**" SOFT COMPUTING & IT'S APPLICATIONS "**  
**( DECEMBER 23<sup>RD</sup> - 25<sup>TH</sup>, 2007 )**

## SPONSORSHIP

Prof./Dr./Mr./Ms./Mrs.....

is an employee of our Institute/Organisation & his/her application is hereby sponsored. The applicant will be permitted to attend the workshop on "Soft Computing & Its Applications" at BCET, Balasore during 23rd to 25th December - 2007, if selected.

## ADVISORY COMMITTEE

Prof. R. Mall, IIT, Kharagpur  
Prof. A. Ghosh, ISI, Kolkata  
Prof. N.B. Venkateswarlu, Hyderabad  
Prof. R.K. Chottrai, Principal, SEC  
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### PATRON:

Prof. D. Banerjee, Principal, BCET.

### CHAIRMAN:

Dr. Sachidananda Dehuri, F.M.University  
Sergarh, Balasore-756060.

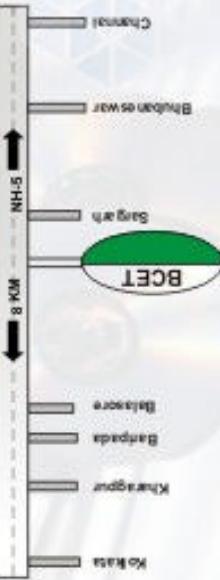
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P. Chatterjee  
PR. Bijaysingh  
J.R. Pati  
P.K. Behera

## HOW TO REACH BCET



The BCET is located at Sergarh on N.H.-5, at a distance of 10km. away from Balasore. Balasore is well connected to almost all parts of the country by road and rail. One can reach BCET campus easily by taxis, auto-rickshaws, buses etc.

**W/SCA - 2007**  
A THREE DAYS WORKSHOP  
ON

# Soft Computing & It's Applications

DECEMBER 23RD - 25TH, 2007



ORGANIZED BY  
**BALASORE COLLEGE OF  
ENGINEERING & TECHNOLOGY**  
SERGARH, BALASORE - 756060

**OTS-BLS**

IN COLLABORATION WITH  
ORISSA INFORMATION TECHNOLOGY SOCIETY  
BALASORE - CHAPTER

## ABOUT THE BCET

Balasore College of Engineering and Technology saw light in the year 2001 at Balasore, the sand city of Orissa. The Institute aspires to play a pivotal role in imparting techno education while inculcating in the young minds a spirit of benevolence and tolerance with a view to generate sustainable human resource at par with international standard for the technofevered century.

## COURSE CONTENTS

- Introduction to Soft Computing
- Neural Networks and its Applications
- Fuzzy Set Theory and Applications
- Adaptive Neuro Fuzzy System
- ART Family
- Hybrid Systems
- MATLAB Simulation.

## WORKSHOP ON

"SOFT COMPUTING & IT'S APPLICATIONS"  
(DECEMBER 23RD - 25TH, 2007)

WSCA - 2007

The institute is managed by "Fakir Mohan Educational and Charitable Trust" with a group of Industrialists, Professionals, Administrators and Social workers; and at present offers four years B.Tech in Computer Science & Engg., Mechanical Engg., Electronics & Telecommunication Engg., Electronics & Instrumentation Engg. and Information Technology along with two years full time MBA courses, approved by AICTE, New Delhi and affiliated to Biju Patnaik University of Technology, Rourkela.

A blend of latest technological know-how, skilled professionals, with dedicated faculty having a passion for knowledge represent BCET at the highest echelon of education.

## SCOPE OF THE COURSE

Soft Computing is a consortium of methodologies which works synergistically and provides, in one form or another, flexible information processing capabilities for handling real life ambiguous situations. Its aim is to tolerate the imprecision, uncertainty, approximate reasoning and partial truth in order to achieve tractability, robustness, low solution cost, and close resemblance with human like decision making. Fuzzy logic (FL), artificial neural networks (ANN) and genetic algorithms (GA) are the three principal components. FL provides algorithms for dealing with imprecision & uncertainty. ANN is the machinery for learning & adaptation, and GA is used for optimization & searching. In this workshop an extensive study of the aforesaid components of soft computing will be discussed to update the knowledge database of teachers who are working in different Universities and Colleges. In addition, the utility of these tools for solving real life problems will be dealt with a few simulation works in the Laboratories. Further, an alternative feature of this workshop is to cover the BPUT syllabus of soft computing.

## APPLICATION FORM

1. Name (in BLOCK letters) : .....
2. Highest Educational Qualification : .....
3. Designation & Deptt. : .....
4. Address for Communication: .....
5. OITS Member (Yes / No)  
If Yes, Membership No.: .....  
(Attach Proof)
6. Reg. Fee Amt. (Rs. ....) : .....
7. Details of DD: .....
7. Bank : .....
7. Special Information/Request ( if any ) : .....

8. Accommodation Required : .....

Interested candidates may apply in the given format alongwith the registration fee paid through a Demand Draft drawn in favour of "Balasore College of Engineering & Technology", payable at "Balasore" on or before 15th Dec.- 2007. The number of seats are limited and candidates are advised to register early.

Place : .....  
Date : .....  
Signature