

ICMR SPONSORED FIVE DAYS NATIONAL WORKSHOP ON BIOMEDICAL SIGNAL PROCESSING & COMPUTATIONAL BIOLOGY FOR HEALTHCARE APPLICATIONS

12-05-17 TO 16-05-17



Organised by

**DEPARTMENT OF ECE
&
SCHOOL OF LIFE SCIENCES**

B.S.ABDUR RAHMAN
CRESCENT UNIVERSITY
B.S.Abdur Rahman Crescent Institute of Science & Technology
(Est. u/s 3 of the UGC Act, 1956)



Sponsored by



**INDIAN COUNCIL OF MEDICAL
RESEARCH (ICMR)**

CONVENOR:

Dr.C.Tharini, Professor&Head, ECE
Dr.S.Hemalatha, Dean, School of Life Sciences

CO-ORDINATORS:

Ms. M.Padma Usha, Asst. Professor (Sr.Gr)
Ms. G.Anuradha, Asst. Professor (Sr.Gr)
Ms. S Syed Rafiammal, Asst. Professor
Dr. M.K. Sangeetha, Asst. Professor
Dr. M.S. Shahul Hameed, Asst. Professor

REGISTRATION FEES

Faculty/Research Scholar/Students : Rs.2500/-
Registration will be done on FCFS basis.

PAYMENT OPTIONS:

For online payment:

Account Name	: SECE
Bank	: IOB
Branch	: Vandalur
Account Number	: 165701000002879
IFSC Code	: IOBA0001657
MICR	: 600020102
Address	: Vandalur(CT) Chengalpet Taluk, Kancheepuram - 600048

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in Favour of	: Society of ECE
Payable at	: Chennai.

Last Date for Registration : 2nd May 2017

Accommodation will be provided on prior request at nominal fee.

CONTACT US

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B.S.Abdur Rahman Crescent University,
GST Road, Vandalur,
Chennai-600048.
Phone: 9444065243 ,9443617651 , 9578907374
Email ID: biomedworkshop@bsauniv.ac.in

COURSE CONTENT

DAY 1

Computational concepts for bio signal, image processing & noise removal in bio signals and images

DAY 2

Current research areas in healthcare hardware and software computational tools and techniques used for signal and image processing in healthcare applications. Hands on training on biomedical signal. Image processing using NI Lab View and myRIO board.

DAY 3

Hands on training on signal/image processing using MATLAB and FPGA

DAY 4

Current research areas in therapeutic target of stroke, cancer, cardiovascular disease treatment and Nutrigenomics. Hands on training in ZINC, PDB, Dragon databases and modelling software.

DAY 5

Parasite detection using image processing techniques. Hands on Training in Target based drug designing for non communicable diseases.



For details visit: www.bsauniv.ac.in

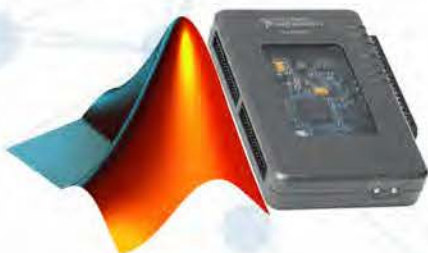
Interested Candidates can register for the workshop on the following link: <http://goo.gl/MRu9Y2>



ABOUT THE WORKSHOP

Biomedical signal processing and computational biology is a rapidly expanding fields with a wide range of healthcare application. Acquisition and processing of biomedical signals has become more important for health care applications. The main reason for this development are the growing complexity of the biomedical examinations, the increasing necessity of comprehensive documentation and the need for automation in order to reduce the cost.

This workshop is an interdisciplinary workshop which focuses on signal and image processing algorithms and its application in the field of biomedical and biotechnology and also provides ideas of acquisition, analyzing methodologies and advances in bio signal and image processing. The workshop would provide hands on training in graphical system design and biological signal acquisition and processing using LabVIEW, NI myRIO, MATLAB, FPGA boards. The workshop also provides training in ZINC, PDB and Dragon data base and modeling software and drug designing for non-communicable diseases. The resource person for this workshop includes eminent person from national institutes like IIT, NIT, Central Government Organization (CSIR), International speaker from Taipei University and speaker from Medical Research Centre. The workshop provides challenging forum and discussion in this field and will be beneficial to research scholars, faculty and industrialists.



ABOUT US

B. S. Abdur Rahman Crescent University is a NAAC accredited 'A' grade University (formerly B.S.Abdur Rahman Crescent Engineering College), and an institution acclaimed throughout India for its quality in teaching and research for past thirty years.



The Department of Electronics & Communication Engineering was established in the year 1994 offering B.Tech ECE. Presently it also offers M.Tech courses in Communication system and VLSI & Embedded System. The department has optimum blend of staff members with research and development, Industrial and Academic experience. Conferences, seminar and Workshops on the latest technological developments and trends are conducted on a regular basis to update the knowledge base of our faculty and students.

The School of Life Sciences has been established with twin objectives of making the campus cross disciplinary and initiating teaching, research and training programs across interdisciplinary areas of life sciences. The school has been emerging as a hub for state-of-the-heart research facility in all fields related to micro biology, biochemistry, microbiology, biotechnology, cancer biology and computational biology through sponsored projects from industries and government agencies. It has also been training scientists, researchers, clinicians from hospitals and industry workers in advanced laboratory techniques with hands-on experience, trough short term intensive programs. The school offers UG and PG and doctoral program in life sciences.

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REGISTRATION FORM

NAME

DESIGNATION

ORGANIZATION / INSTITUTE:

ADDRESS

PHONE

E-MAIL

PAYMENT MODE: DD CASH ONLINE TRANSFER

DD.NO./TRANSACTION ID

DATE

SIGNATURE OF PARTICIPANT

SIGNATURE OF HEAD OF
THE DEPARTMENT / INSTITUTION