

SRM Institute of Science and Technology (SRMIST)

SRM Institute of Science and Technology (formerly known as 'SRM University') is located in an extensive sylvan campus of 140 acres skirting the National Highways (NH145), in the outskirts of Chennai. SRMIST is one of the top ranking Universities and most premier engineering destinations in India, which is established in 1985 by the Founder Chancellor, Dr. T.R. Paarivendhar. Now it is functioning in campuses located at Kattankulathur, Vadapalani and Ramapuram in Chennai, a campus in Amaravathi, Andhrapradesh, one in Modi Nagar, Ghaziabad with over 40,000 students and 2,800 faculty members, offering wide range of undergraduate, postgraduate and doctoral programs in Engineering, Management, Medicine & Health Sciences, Agriculture, Law and Science & Humanities.

The Institution has moved up through international alliances and collaborative initiatives to achieve global excellence. SRMIST also collaborates with foreign Universities like Carnegie Mellon University (CMU), Pittsburg University etc. offering a postgraduate academic program MSIT-ESE. Over 150 students sponsored to 35 foreign Universities like MIT, Carnegie Mellon, UC Davis, Warwick and Western Australia. Now the Institute enjoys an unsurpassed reputation in academic and corporate circles being the preferred manpower source for vision to be recognized as a world-class learning institution. SRMIST has been categorized as grade A by Ministry of Human Resources Development (MHRD); Government of India and also accredited by NAAC with 'A++' Grade in the year 2018. SRM is Category I status institute as per UGC accreditation.

Department of Biomedical Engineering

Biomedical Engineering is one of the six departments in the School of Bioengineering, which is housed in a separate seven storey building of area 150,000 square feet with classrooms, faculty rooms, research and teaching laboratories. It was established in 2004 with active clinical and industrial partnership in association with our sister institution, SRM Medical College Hospital and Research Institute, Kattankulathur. Since then the Department has been actively engaged in diversified research and teaching. The department offers B. Tech, M.Tech and Ph.D in Biomedical Engineering.

Vision of the Department is to implement science and engineering principles in the broad area of medical instrumentation to improve healthcare delivery to human in association with physicians and surgeons. We aim to apply knowledge of engineering, biology, and biomechanical principles to the design, development, and evaluation of various medical devices for cost effective diagnosis and treatment of various ailments.

NCACBHIR 2019

The National Conference on Advances and Challenges in Biomedical and Health Informatics Research (NCACBHIR 2019) will be organized by Department of Biomedical Engineering, Faculty of Engineering and Technology, SRM Institute of Science and Technology, Chennai, Tamil Nadu, India on 28-29 March 2019. This conference is to provide a national forum for the academicians, researchers and industry professionals to deliberate the state of the art research findings, discuss the recent advancements and explore the future directions in the emerging areas of biomedical Engineering.

The conference also bring together both novel and experienced scientists and developers, to meet new colleagues, collect new ideas and establish new cooperation between research groups and provide a platform for researchers from academic and industry to present their original work and exchange ideas, information, techniques and applications in the field of Biomedical Engineering.

Dr. V Sathagirivasan from Capgemini India will give Hands on training in "Deep learning in medical imaging application". The conference is structured with plenary or invited lectures by eminent personalities on the theme of the conference.

Conference Topics

Papers relating to the general title of Biomedical and health informatics are solicited especially including those in the areas of biomedical signal processing, health informatics, bioinformatics, biomedical electronics and devices. Other related themes include, but not limited to:

- ★ Bio-Medical Signal/Image Acquisition, Analysis and Processing
- ★ Wearable Health Informatics, Cognitive Informatics
- ★ Neural Networks and Pattern Recognition
- ★ Bio-signal Modeling, Monitoring and Telemetry
- ★ Electromagnetic Fields in Biology and Medicine
- ★ E-Health, Telemedicine
- ★ Therapeutic Systems and Technologies
- ★ Rehabilitation, Pervasive Health Systems and Services
- ★ Biostatistics and Stochastic Models
- ★ Computational Molecular Systems, Pharmaceutical Applications in Biomedicine
- ★ Biomechatronics, Biomechanical Devices
- ★ Biomaterials, MEMS, Nanotechnology

Submission of Papers

Prospective authors are invited to submit their original unpublished paper through to the mail as mentioned in the website (<https://ncacbhira.com>) not later than 22 February 2019. Accepted and presented papers will be considered for publishing in any one of the following SCOPUS Indexed Journals namely,

1. Indian Journal of Public Health Research and Development
2. International Journal of Pharmaceutical Research IJPR Online
3. International Journal of Innovative Technology and Exploring Engineering
4. International Journal of Engineering and Technology
5. International Journal of Engineering and Advanced Technology

*The registration fee for the event does not include publication charges. For publications charges of journal refer conference home page

Paper Acceptance

Each accepted paper must be presented by one of the authors after paying the necessary registration fee. Only one paper will be allowed to be presented for each registration. Second paper from the same registered author will be charged at additional registration fee. The selected paper will be published on the day of the conference.

Important Dates to Remember

Submission of Full papers	: 22 February 2019
Notification of Acceptance	: 26 February 2019
Submission of Camera Ready Copy	: 1 March 2019
Conference Date	: 28-29 March 2019

Registration fee

Delegates: Industry	: Rs. 1500
Delegates: Academia	: Rs. 900
Student Delegates	: Rs. 600

The conference registration includes kit, snacks & lunch for two days

Electronic Money Transfer

The registration fee may be deposited to the below account only through electronic money transfer. DD, Cheque and direct bank deposit will not be accepted.

Account Details

Bank name	: City union bank,
Branch	: SRM Extn counter, Tambaram
Account name	: Biomedical SRM
Account Number	: 117001000633136
IFSC Code	: CIUB0000117
SWIFT Code	: CIUBIN5M

Accommodation

The contact details of the hotels and the respective tariffs will be made available in the conference website. (<https://ncacbhira.com>)

**NATIONAL CONFERENCE
ON
ADVANCES AND CHALLENGES IN BIOMEDICAL
AND HEALTH INFORMATICS RESEARCH
(NCACBHIR-2019)**

28 – 29th March 2019

REGISTRATION FORM

Name: _____

Gender: _____

Designation: _____

Qualification: _____

Institution / Organization: _____

Mailing Address: _____

Telephone: _____

Mobile: _____

E-mail: _____

Role of Contribution as a (ANY ONE)

Presenter / Participant: _____

Title of the paper: _____

Registration fee details: _____

D.D.No.: _____

Date: _____ Amount: _____

Bank: _____

Accommodation required: Yes / No

Date: _____ Signature of the Applicant

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Mr. Ravi Pachamoothoo, Chairman, SRMIST
Dr. P. Sathyanarayanan, President, SRMIST
Dr. R. Shivakumar, Vice President, SRMIST

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Contact Details

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**NATIONAL CONFERENCE
ON
ADVANCES AND CHALLENGES IN
BIOMEDICAL AND HEALTH INFORMATICS
RESEARCH (NCACBHIR-2019)**



SRM
INSTITUTE OF SCIENCE & TECHNOLOGY
Deemed to be University u/s 3 of UGC Act, 1956

**28 – 29th March 2019
Chennai, India**



NCACBHIR 2019

In association with

**Biomedical Engineering Society of India
& Consortium of Biomedical engineers**



Organized by

**Department of Biomedical Engineering
SRM Institute of Science & Technology
Kattankulathur -603203**

**Convener : Dr T. Jayanthi, Associate Professor
Co-Convener: Dr. D. Ashokkumar, Associate Professor**