

# 21<sup>st</sup> Annual Conference of Vijñāna Parishad of India

on

## Modeling, Optimization and Computing for Technological and Sustainable Development (MOCTSD-2019)

**April 26-28, 2019**



Organized by  
Department of Mathematics  
**SRMIST, Delhi-NCR Campus,  
Modinagar, Ghaziabad-201204, India.**

[www.srmimt.net](http://www.srmimt.net)  
Email: [conferencemoc19@gmail.com](mailto:conferencemoc19@gmail.com)

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Registration fee*	Faculty/Scientist/Industry		Students & Scholars	
	March 31, 2019	After March 31, 2019	March 31, 2019	After March 31, 2019
Participants	₹ 3000/-	₹ 3500/-	₹ 2000/-	₹ 2500/-
Foreign Delegate	\$ 250	\$ 300	\$ 150	\$ 200

\*The life member of VPI will get a discount of 20% in the registration fee

For registration, the delegates/participants are advised to send demand draft/ cheque in favor of "SRM Institute of Science and Technology" payable at New Delhi or by on line payment to

**Beneficiary Name: SRM Institute of Science & Technology**  
**Account Number : 102109000063141**  
**Bank Code/IFSC Code : CIUB0000102**  
**Swift Code: CIUBIN5MXXX**  
**Beneficiary Bank Address: City Union Bank, Karol Bagh, New Delhi, Pin-110005**

The registration fee includes conference kit, banquet dinner & breakfast, working lunch, dinner and refreshment during the conference days.

### Accommodation

The arrangements for the accommodation in the university guest house/hostels and nearby hotels will be made on the request for which the tariffs have to be paid by the delegates/participants. A limited number of economical accommodations are available in the university guest house/hostels on the first come first serve basis.

### Publication in VPI Journal/Conference Proceeding

The paper presented in the Conference will have the opportunity for publication after blind fold review in Journal "JNANABHA" of VPI (Print ISSN - 0304-9892, Online ISSN 2455-7463). The papers presented/submitted can be considered for publication in Proceedings (in edited book form) by Springer. Only reviewed and recommended papers will be published in the proceedings. For publication in Journal or proceedings, submit soft copy of full research paper in both doc/.docx and pdf file at [conferencemoc19@gmail.com](mailto:conferencemoc19@gmail.com).

❖ Eminent Scientists will be honored by VPI under the following categories:

- (i) Distinguished Service Award
- (ii) Fellowship Award
- (iii) Life-long Achievement Award

❖ Young Scientist Awards (3) for best paper presentation in each one of following areas:

- (i) Pure Mathematics (ii) Applied Mathematics
- (iii) Interdisciplinary Area

❖ Professor J. N. Kapur Memorial Lecture

## About the VPI

Vijnana Parishad of India (VPI) is an International Society dedicated to the applications of Mathematical Sciences in all fields of Sciences and Technology. It was founded in 1971-72 by Dr. R. C. Singh Chandel (Founder Secretary) with collaboration of Prof. H. M. Srivastava (Foreign Secretary) University of Victoria, Canada and late Prof. J.N. Kapur (Chief Advisor). The VPI has reciprocity agreement with the American Mathematical Society and at present is one of the five Indian Societies and thirteen Asian Societies which have such agreement with the American Mathematical Society. VPI publishes the research Journal *jñānābha*, which is indexed in the American Bi-weekly, Current Mathematical Publications, Zentrblatt for Mathematik (Germany). The selected papers of the conference can be published in *jñānābha*. For more information visit [www.vijnanaparishadofindia.org](http://www.vijnanaparishadofindia.org).

## Activities of Vijnāna Parishad of India

(i) To publish Research Journals and Monographs in Mathematical Sciences (ii) To hold Conferences, Symposia, Exhibitions, and Fairs for the development of Mathematical Sciences (iii) To establish libraries for research scholars to take the steps considered necessary to promote the aims of the Parishad

## About SRMIST, NCR Campus

The SRM Institute of Science and Technology (*Deemed to be University u/s 3 of UGC Act, 1956*) Delhi-NCR Campus is a leading, world-class institution, offering diplomas, undergraduate, postgraduate or doctoral programs in engineering, management and Science and Humanities. It is one of the top ranking universities in India with over 20,000 students and 1,500 faculty. It is a part of 40 years old SRM group of Educational Institutions that are known for providing quality education in frontier areas. The campus is spread over many acres of lush green lawn environment located at Modinagar in Delhi-Meerut highway with many topographical features all around. The location of the campus is apt and provides an environment for innovation and creativity. Roads within the campus are wide and clean. The academic building accommodates various teaching activities, include personality development and communication skills which derive the students' ability to emerge them to become a good leader. The aroma of learning can be felt within the campus all around. Students and teachers share abyss of knowledge, that makes the zone of compatibility and comfort. The vision of this institute is "To emerge as a World – Class University in creating and disseminating knowledge, and providing students a unique learning experience in science, technology, medicine, management and other areas of scholarship that will best serve the world and the betterment of mankind".

The mission is

- **MOVE UP** through international alliances and collaborative initiatives to achieve global excellence.
- **ACCOMPLISH A PROCESS** to advance knowledge in a rigorous academic and research environment.
- **ATTRACT AND BUILD PEOPLE** in a rewarding and inspiring environment by fostering freedom, empowerment, creativity and innovation.

## About the Conference

Welcome to the 21<sup>st</sup> annual conference of Vijnana Parishad of India (VPI), going to be held during 26<sup>th</sup> -28<sup>th</sup> April, 2019 in SRM Institute of Science and Technology, NCR Campus, Ghaziabad. The aim of this conference is to provide a common platform for academicians, researchers as well as industrialists to showcase their work and to promote interdisciplinary research. MOCTSD-2019 will provide an excellent forum for sharing knowledge and results in recent challenges in Engineering challenges. The conference will also bring together Mathematicians, Statisticians and Computer Scientists to provide an overview of the state of art in the following areas but not limited: Mathematical Modeling, Operations Research, Computer Science, Applied Sciences, Engineering & Technology, Bio Sciences & Nanotechnology, Earth & Environmental Sciences, Industrial & Manufacturing Technology, Big Data & Analytics. MOCTSD-2019 will feature invited talks, oral and poster presentations. It welcomes submission of researchers concerning any branch of Mathematics, Statistics, Information and Computer Science, Engineering and Allied Sciences.

## Call for Papers

The organizers invite original and unpublished research articles from academia, industry experts and students/research scholars to present their work orally and through poster in the broad areas of-

- Mathematical Modeling and Computational Methods
- Mathematical Analysis
- Mathematical Models for Signal processing
- Differential and Integral Equations
- Fluid Mechanics
- Algebra and its Applications
- Approximation and Operator Theory
- Soft Computing
- Operations Research
- Statistical Techniques
- Medical & Bio-Science
- Queueing & Reliability Theory
- Inventory Models
- Fuzzy Analysis
- Stochastic Modeling
- Numerical Optimization
- Decision and Data Sciences
- Software Reliability and Testing
- Applied Sciences
- Computer Science
- Computer & Communication Networks
- Fault Tolerance in Hardware and Software Systems
- Risk Analysis and Assessment
- Pattern Recognition & Computer vision
- Big Data Analytics
- Information Technology
- Business and Marketing Research
- Engineering Mathematics
- Machine Learning
- Artificial Intelligence and Neural Networks
- Simulation Methodology
- Green & Material Chemistry
- Nano - Materials
- Laser and its Technology

## Important Dates

Last Date For submission of Abstract: 25 February, 2019

Intimation of Acceptance: 5 March, 2019

Last date for submission of full paper: 30 March, 2019

Last date for submission of full paper accepted for Journal/Proceedings (in Template): 20 April, 2019

Please submit your original research paper using [easychair](https://easychair.org/conferences/?conf=mocstd2019).  
<https://easychair.org/conferences/?conf=mocstd2019>.

## Registration Form

## 21<sup>st</sup> Annual Conference of Vijnāna Parishad of India

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Name:.....  
Designation:-.....  
Affiliation:- .....  
Address:.....  
.....  
Telephone/Mobile:.....  
Email:.....  
Category: Oral/Poster Presentation .....  
Title of the Paper:- .....  
.....  
Accommodation required: Yes/No.....  
DD/Ref. No.....Date:.....  
Bank:.....  
Date: ..... Place:

Candidate Signature:

For more details visit [www.srmimt.net](http://www.srmimt.net)

The interested delegates are requested to submit a detailed abstract not more than 300 words in a MS word file at

[conferencemoc19@gmail.com](mailto:conferencemoc19@gmail.com)

by 25/02/2019. The abstract should include full mailing address, affiliation, E-mail and keywords. For publication in journal/proceedings submit full paper for which acceptance letter will be sent up to 15 April, 2019.

All communications/inquiries related to conference should be addressed to the

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