

# National Conference On RECENT TRENDS IN APPLIED SCIENCES AND COMPUTING ENGINEERING

(NCRTASCE 2019)

26<sup>th</sup> & 27<sup>th</sup> July - 2019

## REGISTRATION FORM

Name: .....

Qualification : .....

Designation : .....

Address : .....

Mobile no : .....

Email ID : .....

Research Area : .....

Teaching/Research Experience : .....

Participation only : Yes / No

Presenting a paper : Yes / No

Title of the paper : .....

.....

.....

Details of Online Transaction/DD.....

Name of the Bank.....

UTR/IMPS Reference No. with Date :

.....

Place :

Date :

Signature

## SUBMISSION OF THE RESEARCH PAPER

Abstracts in MS word using times new roman, font size – 12 point, should be used and restricted to a maximum of 300 words and not have any figures / diagrams / tables / references.

## PUBLICATIONS

Few accepted papers will be published in “JNNCE Journal of Engineering and Management (JJEM)” Abstracts and full length paper should be mailed to [jnncrtasce@jnnce.ac.in](mailto:jnncrtasce@jnnce.ac.in)

## IMPORTANT DATES

Last date for submission of papers

30<sup>th</sup> June 2019

Acceptance date

10<sup>th</sup> July 2019

## REGISTRATION FEE for Participants

Faculty Members	Rs. 1000
Research Scholars and Students	Rs. 800
Accompanying persons	Rs. 800

Note: Registration fee does not include accommodation. However accommodation may be provided to the participants with a nominal fee in the college hostel. No TA/DA will be provided for the participants.

## PAYMENT/ACCOUNT DETAILS (ONLINE REGISTRATION)

Name	: Principal JNNCE
Bank A/c No	: 6322201000004
Name of the Bank	: CANARA BANK
Branch	: JNNCE Campus, Shivamogga
IFSC code	: CNRB0006322

## FOR FURTHER DETAILS CONTACT

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Sri Anil S.C	: 9844429230
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National Education Society (R)

Jawaharlal Nehru National College of  
Engineering, Shivamogga – 577 204



(Approved by AICTE, New Delhi, Certified by UGC 21 & 12B, Accredited by NAAC –'B',  
Recognized by Govt. of Karnataka and Affiliated to VTU, Belagavi)

Internal Quality Assurance Cell



In Association with ISTE, New Delhi

# National Conference On RECENT TRENDS IN APPLIED SCIENCES AND COMPUTING ENGINEERING

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Organized by :

Department of Mathematics

Jawaharlal Nehru National College of Engineering,  
Shivamogga – 577 204

Venue: MBA auditorium

## ABOUT THE COLLEGE

JNNCE was established in the year 1980 by the National Education Society. The college is affiliated to Visvesvaraya Technological University (VTU), Belgaum and recognized by AICTE, New Delhi. It offers 7 UG and 7 M.Tech programs besides MBA and MCA. It has 7 Research Centers recognized by VTU. Spread over 52 acres, the campus has all the amenities to cater to the needs of about 3500 students and 400 faculty and staff. All the departments have good infrastructural facilities with highly qualified and experienced faculty, staff and well equipped laboratories. The college is regarded as one of the excellent centers for technical education and research. JNNCE is ranked 42nd among top Engineering colleges in India and 7th in Karnataka as per Outlook survey 2018. The Institution is Accredited by NAAC and approved by AICTE, New Delhi. The college is providing its fruitful services in the 38th year. The college organizes international and national workshops, conferences, seminars and short term courses on a regular basis. The institution has IEEE as well as ISTE members.

## ABOUT THE DEPARTMENT

The Department of Mathematics forms the supporting group to various disciplines. The staff members of the department are committed to innovation in teaching, excellence in basic and applied research and enhancement of the quality of student's life. The department has a research centre recognized by VTU, Karnataka.

The faculty members have published more than 75 research papers in reputed National/International Journals. At present the number of research scholars registered for Ph.D. Programme is 2. The Thrust areas in research are Differential Geometry and Fluid Mechanics. The department has applied for different projects in VGST and SERB.

## VISION

To be a pacesetter institute in technical & management education and research for producing highly competent engineers, managers & entrepreneurs to meet the needs of industry and society.

## MISSION

- \* Impart Quality education through flexible and innovative teaching learning process
- \* Enable and ignite young minds to excel in their career and life with entrepreneurial spirit, professional ethics and human values
- \* Facilitate invention based research and collaborate with industries to address societal needs.

## ABOUT THE CONFERENCE

The objective of the conference is to provide a unique platform for exchanging ideas and in-depth discussions on different aspects of Theoretical and Applied Mathematics and to encourage outstanding mathematical contributions which possess the scope to have a direct and fundamental impact of scientific, business, finance and engineering application. The focus of the conference is on current research techniques involving computational aspects and developments in different areas of Geometry, Analysis and fluid mechanics, including their applications in various disciplines. The conference not only provides a platform for strengthening the mathematical research, but also an opportunity for the participants to know the emerging areas of research.

The conference will include invited talks, discussions and paper presentation sessions. Leading mathematicians will deliver special lectures on recent trends in applied sciences and computing engineering and chair sessions.

## TOPICS

Track 1 : Theoretical Mathematics

- \* Algebra and Analysis
- \* Topology and its Applications
- \* Differential and Riemannian Geometry
- \* Graph Theory
- \* Differential Equations, Qualitative Theory of Differential Equations, PDEs, Dynamical Systems
- \* Numerical Solution ODEs, Numerical Solution PDEs (inc. BVPs)
- \* Computational Statistics, Statistical Inference, Demography, Bayesian statistics, Probability
- \* Biomechanics
- \* Wavelets and Spectrum Theory

Track 2 : Applied Mathematics

- \* Operations Research (OR)
- \* Stability Analysis and Control Theory
- \* Optimization, Modelling, and Simulation
- \* Fluid Dynamics/ Mechanics
- \* Non linear Control, Sustainable Development
- \* Biomathematics
- \* Graph Theory and its Application
- \* Coding Theory, Reliability

Track 3 : Application of Mathematics in Science/ Engineering/ Management

- \* Image Processing, Artificial Neural Network, Genetic Algorithms, Fuzzy Theory
- \* Industrial Mathematics
- \* Engineering Applications of Mathematics
- \* Cloud Computing/ Mobile Applications
- \* Intelligent Systems, Soft Computing, Machine Learning and Natural Language Processing

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**Dr. Krishnamurthy M.R.**,  
*Assistant Professor, Dept of Mathematics, JNNCE*

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**Sri Pandith Giri Mohan Das P.K**  
*Assistant Professors, Dept of Mathematics, JNNCE*

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**To**

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