XXVIII CONGRESS OF APTSMS &
NATIONAL CONFERENCE ON RECENT TRENDS IN PURE AND APPLIED MATHEMATICS
(NCRTPAM - 2019)

6th - 8th December , 2019

To

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Address for Correspondence
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Mob : 8332890050
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ABOUT THE MEMBERSHIP OF APTSMS

Corporate membership : Rs. 5000.00
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Corporate members can depute two members as delegates to the Annual Congress
Life Membership Fee : Rs.1000.00
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Demand Draft towards membership fee/registration should be in favor of "A.P. Society for Mathematical Sciences" payable at Hyderabad from any Nationalized bank. For further information regarding **XXVIII Congress of APTSMS & NCRTPAM,** please contact

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Co-opted member

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E-mail: prof.suvarna@gmail.com

CALL FOR PAPERS : Original research papers related to the following areas (but not limited) are invited for presentation in the Conference

Algebra
Computational Fluid
Dynamics
Differential Equations
Image Processing
Mathematical Modeling
Internet Traffic Modeling and Performance
Evaluation of Internet Router
Operation research
Fuzzy Algebra
Numerical Analysis
Fluid Mechanics
ODE&PDE
Mathematical Physics
Coding Theory
Probability & Statistics
Discrete Mathematics Graph Theory
Near - rings
Number Theory
Dynamical Systems
Real/Complex Analysis
Cryptography
Bio Mechanics
Reliability,
Ring theory,
Elasticity,
Vague Algebra
Vedic Mathematics. Jyothisyam
Optimization Techniques
Modeling and simulation

Note : Topics are not restricted to the above.

Selected papers from the NCRTPAM-2019 recommended by the scientific committee will be further recommended for the publication in any one of the following prestigious International Journals at concessional cost.

Journal Publication:
1. Advances and Applications in Mathematical Sciences, (Web of Sciences + UGC)
2. Journal of Physics A: Mathematical and Theoretical-(Scopus + Web of Sciences)
3. Journal of Interdisciplinary Mathematics-, (Scopus + Web of Sciences Indexed Journal). Taylor & Francis.

SUBMISSION OF ABSTRACT :
Participants intending to present research papers in the conference are requested to submit hard and soft copy of the extended abstract (in Word format using Times New Roman font, 12 size and 1.5 line spacing on A4 sheet) of about 200words incorporating the motivation, method of solution and important findings of their investigations along with the completed registration form and prescribed registration fee in the form of DD drawn in favour of "NCRTPAM-2019" payable at Tirupati from any Nationalized Bank should be sent on or before 10th **November 2019** to Dr. A. Chandulal, Organizing Secretary. Soft copy of the abstracts of research papers should be sent to ncrtpam2019@gmail.com / Website : ncrtpam2019.website2.me

For accommodation and other details contact
1. Dr. A. Chandulal, 8332890050
2. Dr. J.B. Chakravarthi, 7702162030
3. P.K. Phanivarma, 9948544446

ABOUT THE VIDYAPEETHA

Rashtriya Sanskrit Vidyapeetha, a Deemed to be University declared under section 3 of the U.G.C. Act, 1956 is a premier institution in the field of higher learning in Sanskrit studies, Traditional Sastras and Pedagogy. It is funded by the Ministry of Human Resource Development through UGC. The Vidyapeetha has a long history in the service of Sanskrit education.

The Vidyapeetha was established at Tirupati(A.P.) in 1961 by the Govt. of India on the recommendations of the Sanskrit Commission (1957) as an autonomous body under the name of **Kendriya Sanskrit Vidyapeetha, Tirupati.** Dr. S. Radhakrishnan, the then Vice-President of India laid the foundation stone of the Vidyapeetha on 4th January 1962.

The basic objectives of setting up the Vidyapeetha is (i) to impart and improve Sanskrit pedagogy (ii) to accelerate the pace of higher Shastraic learning and (iii) to combine the traditional Sanskrit education with modern scientific research.

The Deemed University was formally inaugurated by the then President of India Sri R.Venkataraman on 26th August, 1989.

- Identified as the Centre of Excellence by the UGC during X Plan (2002-2007) and continued during XI (2007-2012) and XII plans (2012-2017).
- The Tandon Committee, appointed by the UGC for the assessment of the Deemed Universities, has ranked the Vidyapeetha among the top 10 institutions in India.
- The Vidyapeetha has been a front runner in implementing various Major & Minor Research Projects and three departments viz. Sahitya, Education and Darsanas have been sanctioned Special Assistance Programme (SAP) by UGC.

The Rashtriya Sanskrit Vidyapeetha has been attracting students from all over India/Abroad and the courses offered by it cover a wide range of Traditional Sastras, pedagogy and also career oriented programmes. It offers a combination of Traditional Sastras with modern subjects like Mathematics, Computer Science, History, Yoga & Meditation etc., at Sastri/B.A. and Prak Sastri level. A unique feature of the Vidyapeetha is that the medium of instruction for imparting Traditional Sastras is Sanskrit.

ABOUT THE DEPARTMENT

Sanskrit is the vehicle of ancient Indian wisdom, besides traditional Sastras. The Vidyapeetha initiated the department of Mathematics together with computer science .Dept.of Mathematics Started it functioning with Prak-Sastri which is equivalent to Intermediate /+2 level course. Rashstriya Sanskrit Vidyapeetha is the first Sanskrit university to introduce Mathematics together with computer science as main subject in Prak- Sastri and subsequently introduces Mathematics at undergraduate level also . The department of Mathematics was sanctioned by UGC and started its functioning in the year 1996

ABOUT TIRUPATI

The city Tirupati is well connected by Rail, Road and air ways from any part of India. Tirupati is located at 13.65°N 79.42°E in the Chittoor District of South Indian State of Andhra Pradesh. It lies at the foot of Seshachalam Hills of Eastern Ghats which were formed during Precambrian era. Tirupati is considered one of the holiest Hindu pilgrimage sites because of Tirumala Sri Venkateswara Swamy Temple, besides other historical temples, and is referred to as the "Spiritual Capital of Andhra Pradesh". Tirupati is also home to many educational institutions and universities. For the year 2012–13, India's Ministry of Tourism named Tirupati as the "Best Heritage City".

ABOUT APTSMS

Andhra Pradesh Society for Mathematical Sciences (APSMS) was found three decades ago with the initial efforts of Late Prof. N.Ch. Pattabhi Ramacharyulu , the then Professor of Mathematics, Regional Engineering College , Warangal , and Prof . P.V. Arunachalam, the then Professor of Mathematics, Sri Venkateswara University, Tirupati, and Former Vice-Chancellor, Dravidian University, Kuppam.

Since its inception, APSMS has grown in size and it has been successively organizing its annual congresses, providing a forum for research workers, young and old, to present their findings and for reviewing the state of the art in their specialized areas of mathematical sciences, besides bringing together academics for camaraderie and intellectual interaction. APSMSt has been Renamed as APTSMS (Andhra Pradesh and Telangana Society for Mathematical Science-2018). This is the only organization of its size devoted to Mathematical Sciences.

Andhra Pradesh and Telangana Society for Mathematical Sciences

(Regd.No.1310/1986)
(C. C. No. 988/2018)
Regd. office: Department of Mathematics,
Osmania University, Hyderabad - 500007.
Website: www.aptsms.org

XXVIII CONGRESS OF APTSMS & NATIONAL CONFERENCE ON RECENT TRENDS IN PURE AND APPLIED MATHEMATICS

Theme: Ancient Indian Mathematics, Science and Technology

6th - 8th December , 2019

Organized by
Department of Mathematics
RASHTRIYA SANSKRIT VIDYA PEETHA
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E-Mail.: ncrtpam2019@gmail.com

ENDOWMENT LECTURES

1. Prof. N.V. Subramanyam Endowment Lecture in Algebra Sponsored by Prof. N.V. Subramanyam Shashthyabdipurti Felicitation Committee.
2. Prof. Kesiraju Satyanarayana memorial Lecture in Geometry sponsored by Prof. N.Ch. Pattabhi Ramacharyulu.
3. Endowment Lecture in Number Theory sponsored by Prof. K.P.R. Sastry.
4. Sri. D. Venkatachari memorial Lecture in Applied Mathematics sponsored by D.V. Krishna and his brothers.
5. Prof .S.N. N. Pandit Endowment Lecture in Applied Statistics sponsored by Prof. V.V. Haragopal.
6. Prof. R. Vaidyanatha Swamy memorial Lecture in Pure Mathematics sponsored by Prof. V.V. Subramanya Sastry.
7. Smt & Sri G.P. Sharma memorial Lecture in Theoretical Computer Sciences sponsored by Dr. G. Lalitha
8. Prof. M.L. Narayana Rao memorial Lecture in Algebra and its Applications to Geometries sponsored by his students.
9. Prof. A. Kanduri Lakshmi Narasimha Swamy Endowment Lecture in Algebra and Applications sponsored by Prof. K.L.N. Swamy Felicition Committee.
10. Prof. A. Radha Krishna Endowment Lecture in Algebra sponsored by his students Prof. T. Srinivas and Dr. K. Yughandhar.
11. Lecture in honor of Prof. N. Ch. Pattabhi Ramacharyulu, one of the Founding Members of APSMS instituted by Some Life Members of APSMS, Admirers and Research Associates of Prof. N. Ch. Pattabhi Ramacharyulu
12. Prof. Bhavanari Satyanarayana Endowment Lecture in Algebra, sponsored by his research scholars and students.
13. Prof. P.V. Arunachalam Endowment Lecture in Mathematics/ Applied Mathematics sponsored by the staff of the department of Mathematics, S.V. University, Tirupati.
14. Prof. Kuncham Syam Prasadand, Prof. Bhavanari Satyanarayana Endowment Lecture in Gamma-Near-Rings, Sponsored by Mr. Mallikarjun Bhavanari and Mrs. Jaya Lakshmi Bhavanari
15. Prof. B. Maheswari Endowment Lecture in Graph Theory, sponsored by her research scholars, Sri Padmavati Mahila Visvavidyalayam, Tirupati
16. Prof. T. Srinivas Endowment Lecture in Near-Rings, sponsored by his students Dr. T. Nagaiah and Dr. P. Narasimha Swamy.
17. Prof. Sreedharamalle Sreenadh Endowment lecture in Applied Mathematics sponsored by Dr. ANS. Srinivas and Dr.R. Hemadri Reddy
18. Prof. Davuluri Ramakotaiah, Prof. Yenumula Venkateswara Reddy and Prof. Bhavanari Satyanarayana Endowment lecture in Near rings sponsered by Mr. Mallikarjun Bhavanari and Mrs.Jayalakshmi Bhavanari
19. Prof. G.C. Rao Endowment lecture in Algebra Sponsored by his student Dr. G. Nanaji Rao
20. Prof. Bhavanari Satyanarayana and Dr. Sriramula Eswaraiah setty Endowment Lecture in Mathematics Sponsored by Mr. S. Jaya Lakshmi Bhavanari and Mrs. Vijaya Lakshmi Sriramula.
21. Prof. Bhavanari Satyanarayana, Prof. Sreedharamalle Sreenadh and Prof.Thota.Srinivas Endowment lecture in Mathematics sponsored by Mrs. Jaya Lakshmi Bhavanari, Mrs. Sitamahalakshmi Sreedharamalle and Dr. K. Vijay Kumar.
22. Prof. K. Suvarna Endoment Lecture in Algebra and its Applications, Sponsored by Dr. C. Jaya subba Reddy, S.V.U, Tirupati.
23. Prof. Bhavanari Satyanarayana, Prof. K. Syam Prasad and Dr. K.B. Srinivas, Endowment Lecture in Related Algebraic Structres. Sponsopred By Mrs. B. Jaya Lakshmi, Mrs. B. Anitha, Mrs. V. Narayana Bhat

BEST PAPER AWARDS

To encourage the young researchers below the age of 35 years, Prof. Meenakshi Sundaram Memorial Best Paper Award in Applied Mathematics & Prof. U.M. Swamy Best Paper Award in Mathematics will be given.

Rules:

1. The paper should be of a single author with novel ideas.
2. The author shouldn't exceed the age limit of 35 years by 31-09-2019.
3. The full length paper along with the abstract should be sent to the General Secretary, APTSMS.
4. If the paper gets selected, the author has to present the paper to the expert committee at the conference.

Participants willing to compete for these awards are requested to submit an Abstract and full length paper along with the proof of Date of Birth in addition to the completed registration form and prescribed fee on or before 10th November- 2019 to the Convener, APTSMS.

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Important Dates

Abstract Submission	:10-11-2019
(Acceptance notification within 5 days from the date of submission)	
Registration Deadline	:12-11-2019
Full Paper Submission	:15-11-2019

Registration Fee

Fee for members of APTSMS	: Rs.1000/-
For non-members of APSMS	: Rs.1200/-
For Foreign Delegates	:250 $

Website : ncrtpam2019.website2.me

For Account Transfer:

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The XXVIII conference of Andhra Pradesh and Telangana Society for Mathematical Sciences (APTSMS) & National conference will be organized during 6th to 8th December, 2019 by the Department of Mathematics, Rashtriya Sanskrit Vidyapeetha, Tirupati, A.P, 517507. India

XXVIII Congress of Andhra Pradesh and Telangana Society for Mathematical Sciences & National Conference on Recent Trends in Pure and Applied Mathematics 6th to 8th December, 2019 at DEPARTMENT OF MATHEMATICS RASHTRIYA SANSKRIT VIDYAPEETHA ,TIRUPATI- (A.P)

REGISTRATION FORM

1. Name (Underline surname) _____

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2. Designation : _____
3. Address : _____

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4. Mobile / Phone No. : _____
5. Email ID : _____
6. Title of the Research paper : _____
7. Registration fee Details : _____

Cash / DD*No. _____

Drawn at _____ Dt _____

Rs. 1200/- for Non- APSMS members and Rs. 1000/- for life members

Date :

Signature of the participant

*DD must be drawn in favor of "NCRTPAM, Tirupati" payable at Andhra Bank Tirupati - A.P. from any Nationalized bank.

ANDHRA PRADESH AND TELANGANA SOCIETY FOR MATHEMATICAL SCIENCES
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7. Professional Experience : _____
8. Areas of Interest : _____
9. Membership sought : _____

(Corporate/Life/Annual/Student)

10. Membership fee particulars : _____

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DD No. : _____

Date of payment : _____

Bank : _____

Rs. 5000/-	Rs. 1000/-
(Corporate)	(Life Member)
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(Annual Member)	(Student member)

*please tick whichever is applicable

Station : _____

Date : _____

Signature