



NATIONAL SANSKRIT UNIVERSITY::TIRUPATI
(Erstwhile Rashtriya Sanskrit Vidyapeetha, Tirupati)

in collaboration with

**Andhra Pradesh and Telangana Society
for Mathematical Sciences**

(Regd.No.1310/1986 C. C. No. 988/2018)

Regd. office: Dept. of Mathematics, OU, Hyd.

**XXXI ANNUAL CONGRESS OF APTSM
&
INTERNATIONAL CONFERENCE ON
RELEVANCY OF ANCIENT MATHEMATICS
TO THE CURRENT DIGITAL TRENDS
(ICRAMCDT2022)**

9th - 11th December , 2022

**Organized by
Department of Mathematics
NATIONAL SANSKRIT UNIVERSITY - TIRUPATI, A.P.
www.nsktu.ac.in**



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For more information, please contact

Dr. A. Chandulal

Mob : 8332890050, E –mail: chandulal2009@gmail.com

Dr. K. Sankar Naik

Mob : 9052979718, E –mail: sankarkanavath19@gmail.com

Key note Speaker

Prof. R.V.S.S. Avadhanulu (Retd.),

M.Sc., (Nuclear Physics), M.A., Ph.D., (Sanskrit), M.A., Ph.D., (Jyotisha),
Dy. Director (Computers), NIMS, Hyderabad.

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- Prof. Vichian Laohakosol**, Kesetsart University, Bangkok, Thailand
Prof. Sumon Sha, BUET, Dhaka, Bangladesh
Prof. M.V. Ramana Murthy, (Retd.) O.U., Hyderabad, Telangana
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ABOUT THE NATIONAL SANSKRIT UNIVERSITY

The Rashtriya Sanskrit Vidyapeetha was Established in Tirupati (A.P.) 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. Radha Krishnan, the Vice-President of India laid the foundation Stone of the Vidyapeetha on 4th January 1962.

The basic objectives of setting up the Vidyapeetha [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 President of India Sri R.Venkata Raman on 26th August, 1989.

- 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 and Minor Research Projects and three departments viz. Sahitya, Education and Darsanas have been sanctioned Special Assistance Programme (SAP) by UGC.
- In March 2020, The Indian Parliament Passed the Central Sanskrit University Act 2020 to Upgrade Rashtriya Sanskrit Vidyapeetha a deemed to be University to a Central University as National Sanskrit University.

The National Sanskrit University 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 Sastry/B.A. and Prak-Sastri level. A unique feature of the Vidyapeetha is that the medium of instruction for imparting Traditional Sastras in Sanskrit.

ABOUT THE DEPARTMENT

Sanskrit is Vehicle of Ancient Indian wisdom, besides traditional Sastras. The Vidyapeetha initiated the Department of Mathematics together with Computer Science. Dept. of Mathematics started its functioning with Prak-Sastri which is equivalent to Intermediate or +2 level course. Rashtriya 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 under graduate level also. The Dept. 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 Airways from any part of India. Tirupati is located at 13.650 N 79.420 E in the Tirupati District of South India State of Andhra Pradesh. It lies at the foot of Sheshachalam 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 swami Temple, besides other historical Temple, 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, Indian Ministry of Tourism named Tirupati as the "Best Heritage City"

ABOUT APTSMS

Andhra Pradesh society for Mathematical sciences (APSMS) was formed in the year 1986 by Late Prof. N. Ch. Pattabhi Ramacharyulu, the then Professor of Mathematics at Regional Engineering College, Warangal and Prof. P.V. Arunachalam, then Professor of Mathematics at Sri Venkateshwara University, Tirupati and former Vice-Chancellor, Dravidian University Kuppam.

APSMS was changed to Andhra Pradesh and Telangana Society for Mathematical Sciences (APTSMS) in November 2018, under the Leadership of Prof. T. Srinivas, Dept. of Mathematics, Kakatiya University, Warangal, At present Prof. N. Kishan, Osmania University is the President of APTSMS. APTSMS organizing the Fifth International Conference ICRAMCDT2022 in Collaboration with National Sanskrit University, Tirupati, A.P.

Call for Papers

International Conference on Relevancy of Ancient Mathematics to the Current Digital Trends (ICRAMCDT) provides a global platform for academics, research and students to share their knowledge ,work experiences both through the presentation from the conference and dissemination of Sciences, Ancient and Modern Mathematics .The acts as an international forum for researchers and scholars to have face -to -face interaction with an emanate speakers and experts to discuss the most recent innovations, trends, and concerns as well as practical challenges encountered and solutions adopted in the fields of Sciences, Engineering and Mathematical Sciences.

Prospective authors are encouraged to submit their Original unpublished research articles for the conference through the online registration link provided below on or before 10th Nov- 2022.

Research contributions are solicited in all the areas pertinent to the conference theme which include the following.

- Algebra
- Discrete Mathematics
- Fluid Dynamics
- Computer Science
- Fixed Point Theory
- Vedic Mathematics
- Vedic Astronomy
- Mathematical Modelling
- Operation Research
- Probability & Statistics
- Data Analysis
- Computational Mathematics
- Jyotisha
- The Ancient Indian Astronomy
- Fuzzy sets & logic
- Optimization and control Theory
- Financial & Industrial Mathematics
- Complex Analysis
- Elasticity
- Graph Theory
- Eclipse

Primarily the Authors can submit unpublished full papers for the conference should be sent to the mail id :- **icramcdt2022@gmail.com** The paper must contain a self-explanatory title, full names of authors, affiliations and email addresses. In case of multiple authors, please underline the name of presenting author. The selected papers will be published in Sci / Scopus / UGC Care list indexed journal. The author has to bear the publication charges for the accepted papers. The publication charges and other details will be informed to the authors after the peer review process.

BEST PAPER AWARDS

To encourage the young researchers below the age of 35 years, (i) Prof. Meenakshi Sundaram Memorial Best Paper Award in Applied Mathematics and (ii) 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 31-01-2022.
3. The full length paper along with the abstract should be sent to the General Secretary, APTSMS.

Important Dates

Last date for abstract paper submission
(with Registration) } **10th Nov, 2022**

Last date for full paper submission : **20th Nov, 2021**

Registration Fee

Industry :	Rs. 8000/-
Members of APTSMS :	Rs. 2000/-
Non Members of APTSMS :	Rs. 2500/-
Students / Research Scholar :	Rs. 1500/-
Only Participation & Accompanying Person /Family Member :	Rs. 1000/-
Foreign Delegates :	USD 100/-
(Includes offline presentation, Certificates and kit)	

The registration fee has to be paid through online by NEFT to Organizing secretary ICramCDT2022 Department of Mathematics, National Sanskrit University, Tirupati. A/C No: **146612010000413**, IFSC: **UBIN0814661**, Branch : Sanskrit Vidyapeet or DD in favour of Organizing secretary **ICramCDT2022** National Sanskrit University, Tirupati. Payble at Tirupati. The payment evidence to be send to mail : icramcdt2022@gmail.com

Address for Correspondence :

Dr. A. Chandulal, Head, Department of Mathematics
National Sanskrit University, Tirupati, A.P., India.
Conference E-mail : icramcdt2022@gmail.com
Mobile: 8332890050, 8309998537

Accommodation :

Accommodation will be arranged for outstation participants in the University Guest House and Research scholars hostels.

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ABOUT THE MEMBERSHIP OF APTSMS

Corporate Membership : 15,000
(For Institutions/Organization/Educational Institution)

Corporate Members can be depute two members
as delegates to the Annual Congress

Life Membership Fee : Rs. 1000

Annual Membership Fee : Rs. 300

Student Membership Fee : Rs. 100

For payment of membership fee, please visit the APTSMS website www.aptsms.org.

Further information may be contact

Prof. N. Kishan, President, APTSMS.

Head, Department of Mathematics, Osmania University
email : kishan_n@osmania.ac.in Cell : 93464 33343

Dr. C. Jaya Subba Reddy

General Secretary, APTSMS.

Department of Mathematics, S.V. University, Tirupati.
email : cjsreddysvu@gmail.com Cell : 94411 66259

ENDOWMENT LECTURES

1. Prof. N.V. Subramanyam Endowment Lecture in Algebra, Sponsored by Prof. N.V. Subramanyam Shashthyabdipurti Felicitiation Committee.
2. Prof. Kesiraju Satyanarayana memorial Lecture in Geometry, sponsored by Prof. N.Ch. Pattabhi Ramacharyulu.
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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 Felicitiation 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 Founder 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 Prasad and, Prof. Bhavanari Satyanarayana Endowment Lecture on 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 on 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. A.N.S. Srinivas and Dr.R. Hemadri Reddy.
18. Prof. Davuluri Ramakotaiah, Prof. Yenumula Venkateswara Reddy and Prof. Bhavanari Satyanarayana Endowment lecture on Near rings, sponsored by Mr. Mallikarjun Bhavanari and Mrs. Jayalakshmi Bhavanari.
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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.
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23. Prof. Bhavanari Satyanarayana, Prof. Kuncham Syam Prasad and Dr. K.B. Srinivas, Endowment Lecture in Related Algebraic Structures. sponsored by Mrs. B. Jaya Lakshmi, Mrs. B. Anitha, Mrs. V. Narayana Bhat.
24. Prof. S.V.K. Varma Endowment lecture in Vedic Mathematics / Applicable Mathematics sponsored by Dr. K. Nagamanemma, Prof. S. Anand Kumar Varma, Dr. V. Rajesh,
25. Prof. U.M. Swamy Endowment Lecture In Algebra Sponsered by Prof. Ch. Santhi Sunder Raj and his Research Students
26. Prof. Nyalakonda Gopal Reddy Endowment Lecture in Functional Analysis and Operator Theory Sponsored by Prof. B. Surender Reddy, Prof. B. Krishna Reddy, Dr. G. Upender Reddy and Dr. D. Sudheer Reddy