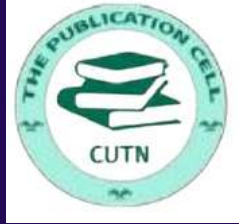




CUTNE-News



May- June 2024 | Vol. 2, Issue 3

**Department of Physical Education and Sports
hosted International Day of Yoga 2024**



On 21st June 2024 (Friday), the Central University of Tamil Nadu (CUTN) celebrated International Yoga Day. The event, inaugurated by Prof. Dr. M. Krishnan, Vice Chancellor of CUTN, drew over 100 participants from diverse sections of the university community, including students, scholars, faculty members, officers, and staff. Statutory authorities, including Prof. R. Thirumurugan - Registrar, CA. G. R. Giridharan - Finance Officer, Prof. Sulochana Shekhar - Controller of Examinations, Dr. R. Parameshwaran - Librarian, were also present during the event. Before performing yoga asanas, participants took a pledge to make yoga an integral part of their daily lives.



This event was organized by the Department of Physical Education and Sports. The International Yoga Day session at CUTN featured various yoga asanas to promote physical and mental well-being. Participants engaged in different yoga postures and meditation exercises.

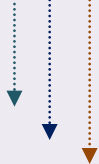
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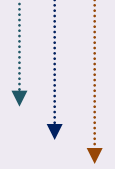
Events @CUTN

The Department of Mathematics, Central University of Tamil Nadu, Thiruvarur, hosted the 32nd Mathematics Training and Talent Search (MTTS) programme 2024 between 20th May to 15th June 2024. This is a one month programme with camps at three different levels (Levels O, I and II). This programme is being organized under the aegis of MTTS Trust and is funded by the National Board for Higher Mathematics (NBHM), Department of Atomic Energy, India. In this regard Dr. A. Chandrashekar, local coordinator of the programme received a sanction of Rs. 40 lakhs to organize this programme. The programme had 112 student participants from 25 different states of this country and 31 resource persons from various premier institutions of India such as IIT Bombay, IIT Hyderabad, IIT Tirupati, ICT Mumbai, IIT Guwahati, IISER Tirupati, IISER Thiruvananthapuram etc.



MTTS programme, conceived by Prof. S. Kumaresanis the most prestigious and successful Mathematics training programme. For the last 32 years (since 1993), this month-long training programme has been running with participants selected to it through a national level screening. Many of the MTTS participants are enrolled in PhD programmes at leading academic institutes. More than 500 MTTS alumni hold faculty positions at various top academic institutes across the country and abroad. MTTS has changed the scene of Mathematics education in India as evidenced by these numbers.





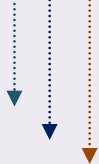
Visit to Srinivasa Ramanujan's House

As part of this month-long programme the student participants and the resource persons were taken for a one day trip to visit the celebrated Indian Mathematician Srinivasa Ramanujan's house and the museum of Ramanujan's work at Sastra University, Kumbakonam.

World Environmental Day Celebrations

Central University of Tamil Nadu celebrated World Environment Day on 5th June 2024. This programme was celebrated with the help of the CUTN administration and the District Forest Office, Thiruvarur. As part of this programme 63 saplings were planted in front of the Department of Mathematics by the students, mentors and resource persons of the 32nd Mathematics Training and Talent Search Programme on 5th June 2024. The programme was inaugurated by Prof. M. Krishnan, Vice Chancellor, CUTN in the presence of all the statutory officers of CUTN, the District Forest Officer, the Head, Department of Mathematics, the President MTTs Trust and the Director, MTTs Programmes. Dr. A. Chandrashekar coordinated the programme and he expressed his thanks to everyone for their support in organizing this tree plantation drive on the occasion of World Environment Day.





Research Publications

Achutha, A. S., Krishna, S., Pushpa, V. L., Harshini, D., Aiswarya, U. S., Nagarajan, S., & Divya, V. (2024). Designing JAK2 Inhibitors Beyond Myeloproliferative Neoplasms-Theoretical and Experimental Analysis for Solid Cancers. *ChemistrySelect*, 9(19), e202400072.

Adhitya K V & Mansurali A (2024), Trends and Strategies of International Business and Cultural Intelligence Effects, 1(1), 486-492. ISBN: 978-93-340-5520

Ambili M & Biju K (2024). Transformative Pedagogies: Integrating Digital Humanities Methodologies into Teacher Education for 21st-Century Learning Environments. *International Journal of Creative Research Thoughts*. Vol.2 Issue 5. Pp 226-232.

Dr. Boopathi P., "Humanizing the Line: Indo-Pak Border in Ashvin Kumar's Little Terrorist." *Peace Review*, 2024, pp. 1-10. Taylor and Francis, <https://doi.org/10.1080/10402659.2024.2356857>. (Scopus) Co-authored with T.S. Gangothri.

Dr. Chittaranjan Subudhi (2024) - A book on Psychiatric Social work; Principles to Practice. ISBN 978-81-316-1372-6, Rawat Publications, Jaipur, India.

Dr. N. Sivakami (2024) - Tools in Child Rights Research - Indian Perspective. *International Journal of Early Childhood Special Education (INT-JECSE)* DOI:10.48047/INTJECSE/V16I1.6 ISSN: 1308-5581 Vol 16, Issue 01 2024.

Dr. N. Sivakami- Social Determinants of Health (SDH) affecting malnutrition among children in the Scheduled Tribe population in India: A systematic review.

Gayathri, R., Akshaya, M., Imran, P. M., & Nagarajan, S. (2024). Design of Triphenylamine-based D- π -A Systems for Efficient Ternary Worm Memory Devices. *Chemistry-A European Journal*, e202402015.

Harish Venkatasubramanian and Mansurali Anifa. 2024. Optimizing Supply Chain Operations with Machine Learning: A Path to Efficient Business Decision Making. In *Proceedings of the 5th International Conference on Information Management & Machine Intelligence (ICIMMI '23)*. Association for Computing Machinery, New York, NY, USA, Article 19, 1-5. <https://doi.org/10.1145/3647444.3647845>

Helen, J. V., Mansurali, A., Sathyan, A., & Hedge, S. S. (2024). An End-to-End Machine Learning Model to Predict the First Innings Score in IPL. In *Human Machine Interaction in the Digital Era* (pp. 58-63). CRC Press.

Kadeeja Rinosha K P & Mansurali A (2024), Smart cities and sustainable business: components of start-up ecosystem. *Sustainable Innovation*, 1(1), 486-492. ISBN: 978-93-340-5520

Malini Mittal Bishnoi, Swamynathan Ramakrishnan, Vanathi Ramaswamy, Dhanushiga K M, and Mansurali Anifa. 2024. Proposition Development on Incidents of Unethical usage of AI in education sector. In *Proceedings of the 5th International Conference on Information Management & Machine Intelligence (ICIMMI '23)*. Association for Computing Machinery, New York, NY, USA, Article 26, 1-8. <https://doi.org/10.1145/3647444.364785>

Kanagaraj Muthuselvan , Baskar Sundaravadivoo , Kottakkaran Sooppy Nisar , Fahad Sameer Alshammari, A numerical computational technique for solving controllability of impulsive Hilfer fractional integro-differential equation with order $\vartheta \in (1, 2)$, *Partial Differential Equations in Applied Mathematics*, 2024.

Karthika, R., Renukadevi, V. (2024). Equivariant LS-Category and Topological Complexity of Product of Several Manifolds. *Proceedings of the Tenth International Conference on Mathematics and Computing. ICMC 2024. Lecture Notes in Networks and Systems*, vol 964. Springer, Singapore. https://doi.org/10.1007/978-981-97-2066-8_3.

M. Navaneetha Krishnan, K. Sakthivel, Alemdar Hasanov, N. Barani Balan, Inverse Coefficient Problem for the Coupled System of Fourth and Second Order Partial Differential Equations, *Applied Mathematics & Optimization* 89 (2024) 1-32.

Mansurali Anifa, Muruganandham Rajagopal, Krishnan Hariharan, Edwin T S, and Mohammad Mansoor Ahmed Pillai. 2024. Fuzzy Logic Decision Making Approach to identify the maximum influencing factor on productivity. In *Proceedings of the 5th International Conference on Information Management & Machine Intelligence (ICIMMI '23)*. Association for Computing Machinery, New York, NY, USA, Article 11, 1-5. <https://doi.org/10.1145/3647444.3647837>

Mansurali Anifa, Muruganandham Rajagopal, T S Edwin, Renuka Devi, and Krishnan Hariharan. 2024. Shop Floor Analysis Using R for Decision Making To Enhance Productivity and Improve Quality. In *Proceedings of the 5th International Conference on Information Management & Machine Intelligence (ICIMMI '23)*. Association for Computing Machinery, New York, NY, USA, Article 12, 1-7. <https://doi.org/10.1145/3647444.3647838>

Pradhan, S.; Jahnvi, B.; Mohan Das, T. A brief accounting of recent advances in the design, synthesis and applications of glycosides. *Curr. Org. Chem.* 2024. (Accepted: June, 2024).

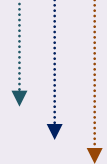
Pradhan, S.; Pannuri, L.L.; Mohan Das, T. Cyclodextrins: Chemical Modifications and Applications in Sensing, In: *Cyclodextrins for Chemosensing*; Krishnamoorthy, S., Ed.; Springer Nature: Berlin, 2024. (Accepted: June, 2024)

Ramkumar, S. B., Renukadevi, V. (2024). Stabilizer Group of Set Ideals. *Proceedings of the Tenth International Conference on Mathematics and Computing. ICMC 2024. Lecture Notes in Networks and Systems*, vol 964. Springer, Singapore. https://doi.org/10.1007/978-981-97-2066-8_16

Sethuvishnu S & Mansurali A (2024), Collaboration of AI with humans: Maximization of productivity and well-being of workers in ai augmented work environment, 1(1), 486-492. ISBN: 978-93-340-5520

Sneha C R & Mansurali A (2024), E-Commerce: A Catalyst for Economic Growth, Digital Transformation And Sustainable Development, 1(1), 486-492. ISBN: 978-93-340-5520

Vidya M and Mansurali Anifa. 2024. Qualitative Analysis on Machine Learning Through Biblioshiny. In *Proceedings of the 5th International Conference on Information*



Management & Machine Intelligence (ICIMMI '23). Association for Computing Machinery, New York, NY, USA, Article 17, 1-5. <https://doi.org/10.1145/3647444.3647843>



Paper Presented

Liya Teresa Alex Ph.D. Scholar presented research paper titled "Exploring Artisanal marketing strategies: understanding consumer preferences and purchase motivations." at the International Conference on Management Research Sahrdaya-SIMS 2024 (ICMRS' 24) held at Sahrdaya Institute of Management Studies (SIMS), Kodakara, Trissur, Kerala on 6th & 7th June 2024.



Resource Person/ Delivering address/ External Subject Expert

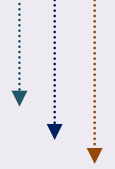
Dr. C. Vijayalakshmi, Associate Professor, Department of Statistics and Applied Mathematics, acted as Resource person for the one week Faculty Development Programme on Mathematical Foundation for AI, ML and Data Science, organized by SRM Institute of Science and Technology, Chennai 11th -19th June 2024

Dr. C. Vijayalakshmi, Associate Professor, Department of Statistics and Applied Mathematics, delivered an invited talk on "Ethics in Research", organized by Centre for Research and Consultancy, Hindustan Institute of Technology and Science, Chennai on 5th June 2024.

Dr. Velmurugan PS Resource Person for the Technical Session-V "Marching towards Viksit Bharat 2047: Enablers and Challenges" at Department of Commerce, St. Joseph's College (Autonomous), Tiruchirappalli on 28th June 2024."

Dr. Velmurugan PS delivered a special address on "Sustainability and Climate Change: Indian Perspective on 5th June, 2024 organised by Department of Digital Journalism & Multimedia Applications, Community College, CUTN.

Dr. Velmurugan PS External Examiner for Ph.D Viva- Voce examination of M.K Arunkumar at Department of Management, the GRD Academy of Management, Coimbatore on 20th May, 2024.



Dr.Biju, K was a resource person in the faculty Induction Programme organized by UGC Malaviya Mission Teacher Training Centre, University of Hyderabad, on the topic of Multiple Learning styles on 20th June 2024

Dr.Biju, K was a resource person in the NEP 2020- Orientation and Sensitization programme" organized by UGC Malaviya Mission Teacher Training Centre, JamiaMilliaIslamia on "Information and Communication Technology - Sub-Theme - I Modern Techniques of ICT in Education and Sub-Theme III -use of ICT for Teaching and Research on 25th June 2024."

Dr.Biju, K was a resource person in the Staff Induction Programme organized by Malabar College of Arts and Science, Moodadi, Kozhikkode, Kerala, on the topic Tech, Teach, Thrive-Designing Elevating Education on 20th May 2024

Dr. R. Roopkumar delivered a series of talks on "Functional Analysis", Summer camp of MTTs 2024, Central University of Tamil Nadu, Thiruvavur. (03.06.2024 to 15.06.2024).

Prof. S.V.S.S. Narayana Raju act as an External Subject expert for PhD Open Defence (Viva-Voce) @ University of Kerala, Thiruvananthapuram, Kerala on 6-6-2024.

Prof. S.V.S.S. Narayana Raju attended as an External Subject Expert, PhD Open Defence (viva-voce) @ Department of Hindi, Calicut University, Kozhikode, Kerala on 12-06-2024.

Prof. S.V.S.S. Narayana Raju attended as an External Subject Expert, PhD open Defence (Viva-Voce) @ Department of Hindi, University of Kerala, Thiruvananthapuram 24-6-24.

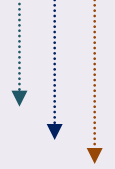
Prof. S.V.S.S. Narayana Raju, Two Radio Talks recorded @ All India Radio, Chennai on 8-6-2024



Participated (Programs/workshops/conferences/seminars/symposiums/training)

Dr John Prakash Participated in the GC webinar series organized by Agilent Technologies during June Month.

Liya Teressa Alex Ph.D. Scholar attended 4-days hands-on webinar on "Qualitative data analysis using NVivo and Citavi" held on 25th - 28th June 2024 organized by Numerical Analytics Instruments Pvt. Ltd., New Delhi.



Liya Teressa Alex Ph.D. Scholar attended five days' workshop on "Basic and Advanced Structural Equation Modelling with SartPLS 4" organized by EdMaestro Pvt. Ltd., India from July 1-5, 2024 with support from SmartPLSGmbH, Germany.

Ms.Sarikha S (R221102), Research Scholar attended a one week FDP cum workshop on 'Pathways to Progress: AI driven Education for VIKSIT Bharat@2047' organised by the Delhi Teachers University, New Delhi from 10.06.2024 to 16.06.2024 .

Prof S Nagarajan attended 35th-Indian Academy of Sciences Mid-Year Meeting organized during 28 - 29 June 2024, at New Biological Sciences Auditorium, Indian Institute of Science, Bengaluru.

Prof. Srinivasan P attended one day (28.06.2024) sensitization workshop on ITEP organised by NCTE, New Delhi at Gowthama Buddha University, Greater Noida.



PhD Awarded

Mr. M. Elango, R161103 Department of Education.

Bethapudiyasodha, Department of Hindi

Ms. Sreya SP, R170905 Department of Social Work

Mr. Robert Ramesh Babu P, R190903 Department of Social Work

