

Activity Report

On

**NATIONAL MATHEMATICS DAY
(2022-23)**

CELEBRATIONS

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National Mathematics (NMD) Celebrations

National Mathematics Day is observed in India on December 22 every year to commemorate the birth anniversary of Srinivasa Ramanujan, one of the greatest mathematicians in the world. This day was first observed in 2012, after the Indian government declared it as a national event.

The objective of this day is to create awareness and promote the importance of mathematics in everyday life, inspire students to pursue higher education in mathematics and related fields, and recognize the contributions of great mathematicians like Ramanujan to the field of mathematics.



On National Mathematics Day, various activities such as lectures, seminars, workshops, and competitions are organized by educational institutions, government agencies, and non-profit organizations across the country to popularize mathematics among students and general public. This day is a great opportunity to celebrate the beauty and power of mathematics and encourage more people to take an interest in this fascinating subject.

Celebration of National Mathematics Day is a nationwide program initiated by the NCSTC, Department of Science & Technology, Government of India, as a mark of respect to the great mathematician Srinivasa Ramanujan. The objective of the Program is to foster the spirit of Science among Student community. The celebrations are also intended to communicate the abilities of great Indian scientists and mathematicians and their immeasurable contributions in solving crucial problems using mathematics

List of programs coordinators and institutions

Sl. No.	Name of the Program Coordinator & Institution
1	Dr D Hymavathi, Mahatma Gandhi University, Nalgonda
2	Dr. T. Rama Krishna Goud, Osmania University, Hyderabad
3	Prof. N Ch. Bhattacharyulu, Osmania University, Hyderabad
4	Dr. V. Dhana Laxmi, Osmania University, Hyderabad
5	Dr. V. Srinivas, Telangana University, Nizamabad
6	Dr. Ch. Srinivas, Osmania University, Hyderabad
7	Dr. Loka Pavani, Telangana Mahila Viswavidyalayam, Hyd
8	Dr K. Sampath Kumar, Telangana University, Nizamabad
9	Mr. A. Madhusudhan, Rajiv Gandhi University of Knowledge Technologies, Nirmal
10	Dr H. Dattu, Rajiv Gandhi University of Knowledge Technologies, Nirmal
11	Prof. G. Mallesham, Osmania University, Hyderabad
12	Dr K. Sampath Kumar, Telangana University, Nizamabad

Recent Techniques in Mathematical Applications (NSRTMA-22)

Department of Mathematics, University College of Science,
Mahatma Gandhi University, Yellareddyguda, Nalgonda, Telangana

To commemorate the birth anniversary of the great Indian Mathematician Srinivasa Ramanujan, the department of Mathematics, University College of science, Mahatma Gandhi University, Yellareddyguda, Nalgonda, has Organized a two day National Seminar on Recent Techniques in Mathematical Applications (NSRTMA-22) during January 27-28, 2023.

On the day one 27-1-2023 we have conducted ESSAY WRITING COMPETITION on Ramanujan's life History in which 60 participants actively took part from UG and PG students AND ELOCUTION on Ramanujan's work and its applications. 16 participants spoke on the topic effectively.

On the day 2 (28-1-2023) has started at 10:30 A.M with lectures by the following experts

Inaugural function: Inaugural was started at 10.30 A.M followed by invocation and lighting of lamp. Principal Dr. Annapurna R.S. Butti, K. Sathyanarayana (Retired Professor) from Osmania University, Dr. V.Srinivas Associate Professor, Dr. D.Hymavathi Head Dept. Of Mathematics, and Programme Coordinator, Assistant Professors Dr.G.Upender Reddy, and Dr.P.Maddileti and the other Mathematics faculty Participated. Prof. Ravi Aluvala OSD to VC, MGU was invited as chief guest of the function, K. Satyanarayana retired Professor from OsmaniaUniversty, Associate Professor Dr. V. Srinivas, Department of Mathematics, O.U. In the inaugural session of day 2 the winner of Competitions Conducted on day 1 awarded with Prizes

ESSAY WRITING COMPETITION

1.	Naga Rani M.Sc (Mathematics 2 nd year)	UCS, MGU, Nalgonda	First prize
2.	Goroju Navya M.Sc (Mathematics 2 nd year)	UCS, MGU, Nalgonda	Second prize
3.	P. Shamili (M.Sc (Mathematics 2 nd year))	UCS, MGU, Nalgonda	Third prize

ELOCUTION

1.	Saileela M.Sc (Mathematics 2 nd year)	UCS MGU, Nalgonda	First prize
2.	Zafar M.Sc (Mathematics 2 nd year)	UCS MGU, Nalgonda	Second prize
3.	Sreeja M.Sc (Mathematics 2 nd year)	UCS MGU, Nalgonda	Third prize

The prize winners received the sheilds from guest. Prof. Ravi Aluvala, K. Sathyanarayana (Retired Professor) Principal Dr. Annapurna R.S. Butti and other faculty members of department of mathematics.

First Session: The first invited talk was started at 11.30 a.m. by K. Sathyanarayana (Retired Professor) from Osmania University. He gave a lecture on “Ramanujan’s life history and his efforts in Mathematics in various fields, Indian Legends in Mathematics, Millennium Prize problems, Organizations that hire Applied Mathematics students in USA and also Mathematical Modelling of Pandemics. This session was very much useful to UG & P.G students. This presentation was very much received by our students. He took the session for 2 hours.

Second Session: The next session started at 2.30 p.m. by Dr. V. Srinivas, Associate Professor Dept. of Mathematics, University College of Science, O.U, Hyderabad. He has delivered a lecture on “Some Primality testing methods in Numbe theory” containing Prime Numbers, Co-Prime, GCD Of Numbers, Division Algorithm, Euclidian Algorithm. This session was continued for 2 hours. There was a valedictory session for about 4:30 p.m.



National Seminar on Applications of Mathematics (NSAM-22)

Department of Mathematics, University College of Science,
Osmania University, Saifabad, Hyderabad

To commemorate the birth anniversary of the great Indian Mathematician Srinivasa Ramanujan, the department of Mathematics and Statistics, University College of science ,Saifabad, O.U has Organized a two day National Seminar on Applications of Mathematics (NSAM-22) during December 21-22 December 2022 in the seminar Hall, P.G.Block, UCSS, O.U. On the day 1 we have conducted (21-12-2022)

1. ESSAY WRITING COMPETITION on the Relevance of Srinivasa Ramanujan works in today's world of mathematics, in which 80 participants actively took part from UG and PG students.
2. ELOCUTION on Ingenuity of Srinivasa Ramanujan. Ten participants spoke on the topic effectively.
3. POSTER PRESENTATION On the Relevance of Srinivasa Ramanujan works in today's world of mathematics, in which 13 participants actively took part from PG students.

The day 2 (22-12-2022) has started at 9:30 A.M with lectures by the following experts

Inaugural function: It was started at 9.30 A.M followed by invocation and lighting of lamp. Principal, Professor. J.laxman Naik, Vice-Principal Prof.Dr.N.Lakshmi Bhavani, Head of Mathematics Department Dr. T.Rama Krishna Goud , Senior Professor Dr.S.Vijaya Lakshmi, Associate Professor Dr.E.Rama and ,Dr.K.Prudhvi, V.Venkateshwarlu and the other Mathematics and Statistics faculty Participated. G.Ramesh Chandra, Additional Director of School Education was invited as chief guest of the function. Associate Professor Dr.V.Srinivas ,Department of Mathematics,O.U , Prof. B.Padmavathi, Department of Mathematics HCU was invited as guest of honor. In the inaugural session of day 2 the winner of Competitions Conducted on day 1 awarded with Prizes

ESSAY WRITING COMPETITION

1.	Kusha Rathod M.Sc (Mathematics 2 nd year)	UCS SAIFABAD,O.U	First prize
2.	L.Kalyan M.Sc (Mathematics 1 st year)	UCS SAIFABAD,O.U	Second prize
3.	V.Srinu (UG MPCs 1 st year)	UCS SAIFABAD,O.U	Third prize

ELOCUTION

1.	Sushma M.Sc (Mathematics 2 nd year)	UCS SAIFABAD,O.U	First prize
2.	Uday M.Sc (Mathematics 1 st year)	UCS SAIFABAD,O.U	Second prize
3.	Aijay M.Sc (Mathematics 1 st year)	UCS SAIFABAD,O.U	Third prize

POSTER PRESENTATION

1.	Naga prasana M.Sc (Mathematics 1 st year)	UCS SAIFABAD,O.U	First prize
2.	Namratha, Sushma M.Sc (Mathematics 2 nd yr)	UCS SAIFABAD,O.U	Second prize
3.	Aijay,Uday (Mathematics 1 st year)	UCS SAIFABAD,O.U	Special prize

The prize winners received the sheilds from guest of honrur Prof . B.Padmavathi,nPrincipal Prof J.Laxman Naik, Vice Principal Prof N.Laxmi Bhavani and other faculty members of department of mathematics.

First Session: The first invited talk was started at 11.00 a.m. by Prof .B.Padmavathi, Hyderabad Central University . She gave a lecture on “Emerging fields in Mathematics & Opportunities “ containing applications of Mathematics in various fields, Indian Legends in Mathematics and Statisttics, Millennium Prize problems, Organizations that hire Applied Mathematics students in USA and also Mathematical Modeling of Pandemics. This session was very much useful to UG & P.G students. This presentation was very much received by our students. She took the session for 2 hours.

Second Session: The next session started at 2.00 p.m. by Dr.V.Srinivas, Associate Professor Dept of Mathematics, University College of Science, O.U, Hyderabad. He has delivered a lecture on “Some Discussions on Number Theory “ containing Prime Numbers, Co-Prime, GCD Of Numbers, Division Algorithm, Euclidian Algorithm. This session was continued for 2 hours. There was a valedictory session for about 4:00 p.m



National Seminar on “Mathematical Modeling Through Machine Learning Techniques”

Department of Statistics, UCS,Osmania University, Hyderabad

The Department of Statistics, University College of Science, Osmania University Organized one day National Seminar on “Mathematical Modeling Through Machine Learning Techniques” on 28thDecember 2022, as part of the celebrations of the birth anniversary of the great Indian Mathematician, Srinivasa Ramanujan. The National Seminar was conducted in the Seminar Hall, Department of Statistics, UCS, O.U.on 28th December 2023. Events of Elocution, Essay writing were conducted. A sequence of lectures & events were conducted on the theme of the seminar. On 27th December the competitions on elocution and essay writing were conducted for P.G. Students.Elocution Competition on ‘The contribution to Mathematics by the Indian Mathematicians’was conducted. In that, M.Sc. II year Applied Statistics student Basavaraju Sriharshini got first prize and M.Sc. II year Applied Statistics student Ms. Sadiya Zubair got second prize.In Essay writing competition,Ch. Anusha and received first and second prizes.

Inaugural Session: It was started at 9.30 A.M followed by invocation and lighting of lamp.Prof. B. Veeraiah, Principal, UCS, OU; Prof, G. Jayasree, Vice-Principal,UCS, OU; Prof. N.Ch. Bhattacharyulu, Head, Department of Statistics; Prof. S.A. Jyothi Rani, Chairperson, BOS in Statistics; Dr. G. Sirisha, Dr. M. Raghavender Sharma, Mrs. J.L. Padma Shree, and Dr. M. Raghunadha Acharya, Data Kaizen Solutions and Dr. V. Aditya Srinivas, TCS were attended the inaugural Session. Prof. N.Ch. Bhattacharyulu, talked on the contributions of Srinivasa Ramanujan to Mathematics and also the theme of the seminar.

Technical Session-I: The first invited talk was started at 11.00 a.m. byDr. M. Raghunadha Acharya, Data Kaizen Solutions.He delivered an invited talk on gave a lecture on “Machine learning techniques through R programming” He discussed Simple and multiple linear Regression, Logistic regression; Naïve Bayes Classifier, Support vector Machine algorithms and its implementation for the real time data with different case studies.

Technical Session-II: Dr.V. Aditya Srinivas,from Tata Consultancy Services, has delivered an invited talk on“Some machine classification Algorithms and its implementation”. He discussed with different data sets on the usage of K-Nearest neighborhood, Decision tree , Random Forest and Market-Basket algorithms for classification.

Technical Session-III: Third technical session started at 3.40 p.m. by Prof. M. Varaprasad Rao, from Sree Sai Datta Institute of Engineering & Sciences on theme of the workshop. He discussed on the implementation of Neural Networks, Principal components, factor Analysis and cluster analysis techniques using Python for real time data.

Valedictory Session: Valedictory session started at 5.30PM. Prof, G. Jayasree, Vice-Principal,UCS, OU; Prof. N.Ch. Bhattacharyulu, Head, Department of Statistics; Prof. S.A. Jyothi Rani, Chairperson, BOS in Statistics; Dr. G. Sirisha, Dr. M. Raghavender Sharma, Mrs. J.L. Padma Shree, and Prof. M. Varaprasad rao SSDIES, and Dr. V. Aditya Srinivas, TCS were attended the valedictory session. Received good feedback from the number of participants. Participation Certificates were distributed by the Guest Invited speaker,Vice principal and Head to the participants. Program is ended with National Anthem.

Seminar on Applied Engineering Mathematics

**Prof. V Dhanalaxmi, University College of Technology (A),
Osmania University, Hyderabad, Telangana - 500007**

Sri Srinivasa Ramanujan was a pioneering Indian mathematician who made significant contributions to the fields of number theory, infinite series, and continued fractions. Born on December 22, 1887, in Erode, Tamil Nadu Ramanujan developed a passion for mathematics at a young age and went on to become one of the greatest mathematicians of his time. In recognition of his achievements and to commemorate his birth anniversary, the University College of Technology, Osmania University is hosting a National one-day seminar on Applied Engineering Mathematics on February 11, 2023. This event will bring together experts and students from a variety of fields to explore the applications of mathematics in engineering and technology.

Events organised were:

- I. Speech on National Mathematics Day about Srinivas Ramanujan contributions and it's applications in present day.
- II. Painting/Pencil sketch on Srinivas Ramanujan.
- III. Poster Presentation on Applications of Machine learning, IOT, Artificial Intelligence in Chemical Engg., Food Technology, Textile Technology.
- IV. Session on "Fun with Applied Mathematics"

Details of Each Event:

Speech on National Mathematics Day about Srinivas Ramanujan contributions and it's applications in present day.

The speech and elocution competition on the contributions of Srinivasa Ramanujan was a truly special event. With 32 students participating from all four departments and years, the competition showcased the deep appreciation and understanding that the next generation of mathematicians have for Ramanujan's groundbreaking work. The students spoke about the many ways in which Ramanujan's contributions have impacted the field of mathematics, as well as their applications in today's world. They delved into the complexities of number theory, infinite series, and continued fractions, and explained how Ramanujan's work has paved the way for further advances in these areas.

The competition was a testament to the enduring legacy of Srinivasa Ramanujan and the impact that his work continues to have on the world of mathematics. The participating students demonstrated their passion for the subject, their dedication to learning, and their ability to communicate complex ideas in a clear and engaging manner. The University College of Technology, Osmania University is proud of the students who participated in this competition, as well as the faculty who have inspired and guided them. This event was a true celebration of the power and beauty of mathematics, and a testament to the spirit of innovation and discovery that Ramanujan embodies

The winners of the event were:

1. **First Prize:** Srivardhan , B.Tech II yr (Textile Technology)
2. **Second Prize:** Sahithi Cheripally, B.Tech II yr (Chemical Engineering)
3. **Third Prize:** Tejaswi Puram, B.Tech II yr (Chemical Engineering)

Painting/Pencil sketch on Srinivas Ramanujan

The drawing and painting competition on the brilliant minds of the math world was a truly creative and inspiring event. With 34 students participating from all four departments and years, the competition showcased the artistic talents and mathematical interests of the next generation of mathematicians. By exploring the lives and work of some of the most brilliant minds in the world of mathematics, the students had the opportunity to use their creativity to bring these mathematicians and their ideas to life on canvas. Whether through portraits, landscapes, or abstract compositions, the students had the chance to express their unique perspectives on the beauty and power of mathematics.

This competition was a wonderful celebration of the intersection of art and mathematics, and a testament to the diverse and multi-disciplinary interests of the students. The University College of Technology, Osmania University should be proud of the participating students and their achievements, and continue to provide opportunities for them to explore the many different aspects of mathematics. By encouraging students to engage with mathematics through creative outlets like drawing and painting, the University College of Technology, Osmania University is helping to foster a love of learning and a passion for discovery that will serve the students well throughout their academic and professional careers.

The winners for the event were:

Pencil Sketch

- | | | |
|-----------------|---|------------------------------|
| 1. First Prize | : | S.Pravalika , M.Pharmacy |
| 2. Second Prize | : | V.Shanthi Priya , M.pharmacy |
| 3. Third Prize | : | B. Sindhu, B.Tech II yr |

Painting

- | | | |
|-----------------|---|-------------------------------|
| 1. First Prize | : | Sriramoju Kavya, B.Tech II yr |
| 2. Second Prize | : | Sri Chandana, B.Tech II yr |
| 3. Third Prize | : | B. Archana, B.Tech II yr |

Poster Presentation on Applications of Machine learning, IOT, Artificial Intelligence in Chemical Engg. , Food Technology, Textile Technology.

Poster Presentation on Applications of Machine learning, IOT, Artificial Intelligence in Chemical Engg. , Food Technology, Textile Technology. The poster presentation competition on the applications of Machine Learning, IoT, and Artificial Intelligence in the Chemical, Food and Textile Industries was a dynamic and engaging event, with 12 teams of students from all four departments and years participating. This competition provided a unique opportunity for the students to showcase their knowledge and understanding of cutting-edge technologies and their applications in real-world industries. By presenting their ideas and research in a visual format, the students were able to effectively communicate the potential impact and benefits of these technologies, as well as the challenges and limitations that must be addressed.

The participation of teams with different team sizes and compositions further highlights the interdisciplinary nature of these technologies and the importance of collaboration in advancing their development and implementation. By fostering a culture of innovation and collaboration, the University College of Technology, Osmania University is helping to prepare the next generation of professionals and leaders who will drive the development and implementation of these technologies and shape the future of these industries.

The winners for the event were:

- 1. First Prize : R.Sultana 7 Hafsa Fatima, B.Tech III yr (Chemical Engg)**
- 2. Second Prize : Ch. Sahithi & M. Lekya, B.Tech II yr(Chemical Engg)**
- 3. Third Prize : Md. Shoieb Rizwan & Jahnabi & Sharavya, B.Tech IIIyr(Text Tile)**

The poster presentation competition was a truly impressive and impactful event. With all the teams presenting striking posters relevant to the real world problems faced by the Chemical, Food and Textile industries, it is clear that the students have a deep understanding of the potential applications of Machine Learning, IoT, and Artificial Intelligence.

Their ability to connect their research and ideas to the challenges faced by these industries shows that they not only have a strong grasp of the technology, but also a keen awareness of its relevance to the wider world. By highlighting the ways in which these technologies can help solve some of the most pressing problems faced by these industries, the students have made an important contribution to the ongoing conversation about the future of these industries and the role of technology in shaping that future.

Workshop on National Mathematics Day - 2022 (Joviality of Mathematics)

Dr. V Srinivas, Department of Mathematics, Telangana University

On the occasion of the birth anniversary of the great Indian Mathematician SRINIVASA RAMANUJAN , The Department of Mathematics , University college , Telangana University, Dichpally, Nizamabad, has organized a One day workshop on “NATIONAL MATHEMATICS DAY-2022 and theme was “JOVIALITY OF MATHEMATICS” on 27th Feb 2023 in the Seminar Hall , Computer Science and Engineering building, Telangana University, Dichpally, Nizamabad.

The inaugural Session was started at 10.30am by inviting the Dignitaries on the Dais and honoured them. Lighting the Lamp by Chief Guest Honorable Vice-Chancellor Prof. D. Ravinder and other Guest and faculty members. Welcome Address was given by Program Coordinator V.SRINIVAS. Prof. D. Ravinder Vice-Chancellor , Telangana University, Nizamabad was invited as Chief guest of the NATIONAL MATHEMATICS DAY-2022. He delivered his speech about the Srinivas Ramanujan and conveyed his wishes to this workshop . Prof. CH. Arathi conveyed this event. Presided the Inaugural function. She addressed the gathering by enlightening the students about the importance of celebrating National Mathematics day.

Dr DEEPIKA NEELA , Asst.Prof NIT, Warangal, delivered keynote address . A Lecture on JOVIALITY OF MATHEMATICS . which covers the cause of Mathematics Phobia in students and how to overcome this phobia . It also covered the applications of Mathematics in real life situations and in engineering fields too. In addition to that , this lecture also addressed appointments for UG and PG students in the field of Mathematics. There was an Interaction with students in that She answered the equations raised by students and made them understand.

Telangana Mathematics Forum , Nizamabad District conducted Mathematics Talent test in different types of high school under the control of Telangana State Government. The winners of the talent test were distributed prize kit (Total 10 students) . This prize kit contains high quality student college bag , steel water bottle , note books. These kits expenditure was donated by Dhanpal Education Trust, Nizamabad.

On this occasion , We conducted Poster presentation from UG and PG students from various UG and PG colleges under control of Telangana University. The following students were identified as winner among them. All the prize winners received their mementos and Cash prize from Chief Guest Prof. D. Ravinder Vice-Chancellor , Telangana University, Nizamabad and other faculty members.

S.No	Name of the student	College Name	CASH PRIZE
01	B. MEGHANA (MSDS-IIYr)	TSWRDC KAMAREDDY	3000.00 FIRST
02	N. GREESHMA(MPC -IIIYr)	TSWRDC ARMOOR	2000.00 SECOND
03	P. RAKSHITHA (MSDS-IIYr)	TSWRDC KAMAREDDY	1000.00 THIRD

MATHEMATICS FROM ABSTRACT TO APPLICATION - APPLIED PHYSICS

Dr Ch. Srinivas, Osmania University, Hyderabad

One Day National level Workshop / Expert Talks on “ **Mathematics From Abstract to Application - Applied Physics**”, had been conducted on 4th March, 2023. About 75 participants hailing from students of UG, PG and Research Scholars of Science and Engineering have participated. The Inaugural Session begun on 4th March, 2023, at 9.30 am, Prof. Sriram Venkatesh, Principal, UCE(A), Osmania University, Hyderabad had grace the session as Chief Guest. The program was started with lighting the Lamp as symbol of Energy and Education with invocation song. Dr. N. Narsimlu, Associate Professor and Co-convener had rendered “Welcome Address”.

The Theme of Workshop / Expert Talk had been elaborated by Dr. CH. Srinivas, Convener. The Chief Guest, while addressing the participants, emphasized on acquiring contemporary knowledge on the relevant fields is the paramount significance to be relevant in the cutting edge technological streams by attending akin like this seminars. The Inaugural session had been concluded by 10.00 am.

I.	First Session : 10.00 am to 11.00 am	Topic: Linear Algebra - Cryptography	Expert Talk Delivered by Dr. C. GOVERDHAN (Rtd.) Associate Professor in Mathematics, Osmania University. Delivered a talk on “Linear Algebra and its application in Cryptography. He Explains various methods and models to create algorithms for Cryptography by using Linear Algebra as basis.
Tea Break - 11.00 am to 11.15 am.			
II.	Second Session : 11.15 am to 12.15 pm	Topic : Uses of X-rays, Photons and Neutrons in Material Characterization	Expert Talk Delivered by Dr. N. Narsimlu, Associate Professor in Physics, Osmania University. Elaborated the fundamental properties of X-ray, Photons and Neutrons and how they can be employed at application level for characterization of materials through XRD, UV-Visible Spectroscopy, Small Angle Neutron Scattering (SANS).
III.	Third Session : 12.15 pm to 1.15 pm	Topic: Applied Physics - LIGO detector - Gravitational Waves	Expert Talk Delivered by Dr. Ch. Srinivas, Associate Professor in Physics, Osmania University. Explains on how the cutting edge technological advancements are interdisciplinary in nature. The principle of Interferometer in Optics had been molded with gigantic Light Interferometer Gravitational Wave Observatory with meticulous interdisciplinary approach. It is intended to discover the Gravitational Waves, which were proposed by Einstein in 1916 in his General Relativity. This LIGO patiently observing for Gravitational waves almost four decades and

			finally found Gravitational waves. It is one of the monumental achievement in Applied Physics
LUNCH (for all participants) - 1.15 pm to 2.00 pm			
IV.	Fourth Session - 2.00 pm to 4.00 pm	POSTER PRESENTATION BY PARTICIPANTS	There were twenty five 25 posters presented in the session varying from Nanotechnological advancements in Medical field, Superconductors, Environmental issues, Astronomy, Semiconductors, Material Science, etc. Two adjudicators as judges namely, Dr. N. Narsimlu and Dr. K. Krishnamurthy Goud, after careful evaluation of the presentations, decided to give Seven Best Poster Presentation Award.
V.	Valedictory Session - 4.00 pm 4.30 pm	The Valedictory Session begun on 4 th March, 2023, at 4.00 pm,	<p>Prof. G. Mallesham, Dean, Development & UGC Affairs, Osmania University, Hyderabad had grace the session as Chief Guest. The Report of the Workshop / Expert Talk had been presented by Dr. Ch. Srinivas, Convener.</p> <p>Presented Seven Best Poster Awards Feedback from Participants (five)</p> <p>While addressing the Chief Guest, he emphasized that everybody should develop strong character and focus to do something remarkable in their respective streams, thereby they can pay back to the society where they come from. Scientific temperament, Social Consciousness and Conscious behavior are the ultimate tools to become relevant in the present times.</p>

National Mathematics Day Celebrations (NMD-2022)

Dr. Loka Pavani, Department Of Mathematics and Statistics,
Telangana Mahila Viswavidyalayam

The Department of Mathematics and Statistics organized “National Mathematics Day Celebrations” from 3rd -4th March 2023 to commemorate the birth anniversary of the great Indian Mathematician Srinivasa Ramanujam.

The program started with inaugural session with lighting of the lamp. It was followed by a guest lecture by Prof .K.Satyanarayana, Retd Professor of Mathematics, Osmania University on the life and times of Srinivsa Ramanujam. Sir gave a detailed presentation on the life and times of Srinivasa Ramanujam. He has elaborated on the following points.

Srinivasa Ramanujan was one of the most famous mathematical wizards who made important contributions to the field of advanced mathematics. Srinivasa Ramanujan was born on 22 December, 1887, to a poor Brahmin family in Erode, a small village in Tamil Nadu, India. He grew up in Kumbakonam town, near Chennai, where his father was employed as a clerk in a cloth merchant’s shop. He was an exceptionally good student and won a number of merit certificates and awards. He loved Mathematics more than any other subject. Once, when he was just in his middle school classes, he mathematically calculated the approximate length of the equator. He also very clearly knew the values of the square root of two and value of pi!

Competitions were conducted for students. 330 students registered for various competitions. Judges were called from other departments to judge the events. Dr.Sabiha Sharief , Dr.Rajani Malathi, Dr.Narendra Babu , Dr.G.vijayalakshmi were the judges for different events.120 students participated in quiz competition. The students were divided into 22 teams and it was conducted in 3 rounds.30 students participated in Elocution competition.10 students participated in poster competition.The following is the list of prize winners

QUIZ

<u>1st Prize (Telangana Mahila Viswavidyalayam)</u> 1. Arumima (MSCS III YEAR) 2. Prathika (MSCS III YEAR) 3. Vishnu Chetana (MSCS III YEAR) 4. Akshita (MSCS III YEAR) 5. B.Navya (MSCS III YEAR) 6. M.Akshya (MSCS III YEAR)	<u>2nd Prize (Telangana Mahila Viswavidyalayam)</u> 1. M.Greeshma (MSCS II YEAR) 2. R.Srividya (MSCS II YEAR) 3. N.Sahana (MSCS II YEAR) 4. S.jayasree (MSCS II YEAR) 5. M.Pavani (MSCS II YEAR) 6. P.Rajitha (MSCS II YEAR)
<u>3rd Prize (Telangana Mahila Viswavidyalayam)</u> 1. M.Keerthi (MPCS I YEAR) 2. D.Vyshnavi (MPCS I YEAR) 3. J.Archana (MPCS I YEAR) 4. B.Nandhini (MPCS I YEAR) 5. S.Prathyushsa (MPCS I YEAR) 6. P.Bhavana (MPCS I YEAR)	<u>Consolation Prize (Government City College)</u> 1. J.Venkateshwari 2. CH.Nikhitha 3. V.Anusha 4. S. Vaishnavi 5. Anjali

ELOC UTION (Telangana Mahila Viswavidyalayam)

<p>TOPIC: Role of Mathematics in today life Ist prize:Juveriya MSCS III Year IInd prize:Sai tulasi MSDS II Year IIIrd prize: Shireesha Mpcs II Year</p>	<p>TOPIC: Life of Ramanujan Ist prize:SK Salma- MPCS I Year IInd prize:K.Nandini-MSDS II Year IIIrd prize:DakshitaKamble- Mpcs I Year</p>
<p>TOPIC: Recent advance in Mathematics Ist prize:B.Shrisha- MPC II Year IInd prize:M.Santhoshi - MPE II Year IIIrd prize:Fathima MES- II Year</p>	<p>E-POSTER competition Ist prize:G.Sai sree MPCIS--II Year (Topic: Fractals) IInd prize:Dipika Msc- I Year (Topic: Aryabhata) IIIrd prize: Prabhavathi -MSDS III Year(Topic: unseen Maths in Daily life</p>

E-POSTER competition

<p>Ist prize:G.Sai sree MPCIS--II Year (Topic: Fractals) IInd prize:Dipika Msc- I Year (Topic: Aryabhata) IIIrd prize: Prabhavathi -MSDS III Year(Topic: unseen Maths in Daily life)</p>	<p>CONSOLATION PRIZE : Pravalika_ MSDS III Year(Topic: Maths in Daily Life) An exhibition of Mathematical models was also organized in which 150 students presented various mathematical models , puzzles and games.</p>
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One Day Workshop to UG & PG Mathematics Students

**Dr. K Sampath Kumar, Department of Mathematics
Telangana University, Nizamabad**

The Department of Mathematics, Telangana University has celebrated 11th NATIONAL MATHEMATICS DAY - 2022 (NMD-22) on 22nd February, 2023. In this eve department organised **One Day Workshop to UG & PG Mathematics Students**. The program is catalysed and supported by DST, Gol, NCSTC, TSCOST & Dept. of EFS&T, Govt. of Telangana. About 85 UG and PG Mathematics students and faculty from university and its affiliated colleges were participated.

Prof. D. Ravinder, Vice-Chancellor, Telangana University and Chief Guest of workshop inaugurated the workshop with lighting of the lamp. In this inaugural ceremony Prof. M. Aruna, Dean, Faculty of Science and Controller of Examinations, Telangana University as Guest of Honour and Prof. Ch. Arathi, Principal, University Arts and Science College, Telangana University as Guest of Honour also participated. After inauguration Dr. K. Sampath Kumar, Convener of this workshop given opening remarks about workshop.

Guest of Honour Prof. M. Aruna, Dean, Faculty of Science and Controller of Examinations, Telangana University speaks about importance of Mathematics in real life and about Ramanujan. Guest of Honour Prof. Ch. Arathi speaks about importance of Mathematics in computer Science and real life. Finally Prof. D. Ravinder, Vice-Chancellor, Telangana University and Chief Guest explain why we have been celebrating National Mathematics Day. He also discussed auto biography of Srinivasa Ramanujan. Express his thanks to TSCOST for financial support for organising NMD every year. Afer Chief Guest remarks, we felicitate all the guests and then we conclude inaugural ceremony.

Session I:

After Inauguration and tea break, we started Session I. In this session, Mr. M. Chandra Shekar, Assistant Professor(c) discussed on the topic "The Comprehensive Guide on branches of Mathematics". Mr. Shekar eloborated the different branches of Mathematics, how these branches useful in real life. He also discussed about these brances in perspective of UG and PG curriculam. Fianally he clarifies students doubts relating to mathematics.

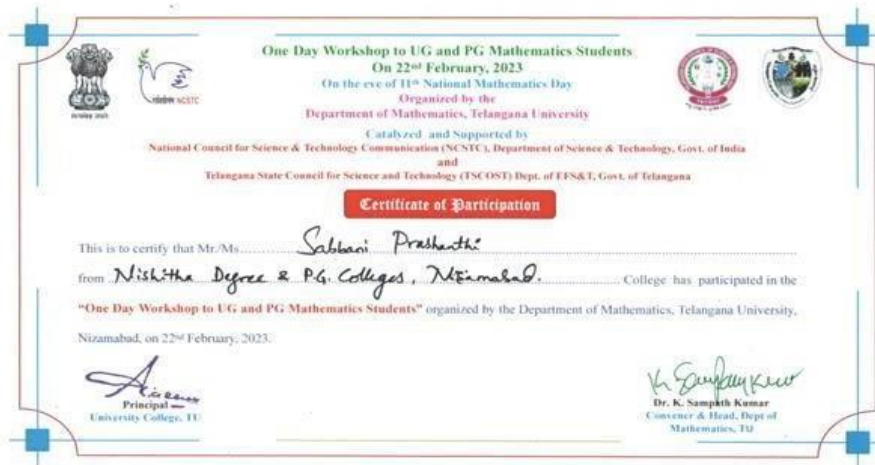
Session II:

In Session II Mrs. U. Padma, Assistant Professor(c) delivered lecture on the topic "Short cut methods for competitive exams on Real Analysis". Mrs. Padma talked about basic concepts which are useful in competitive exams and she shared short cut methods about sequences and series with examples which are appeared in previous exams. She mentioned speed mathematics tricks which are very helpful in competitive exams and she also gave several examples with solutions by using tricks and mentioned some important methods.

Session III:

After lunch break, we started Session III. In this session, Dr. G. Srinivas, Assistant Professor(c), Department of Commerce, TU delivered a lecture on the topic "Applications of Mathematics in

Commerce”. Dr. Srinivas discuss various mathematical tools and techniques and models which helps in dealing with real-life business situations and the operations or financial activities are controlled by business mathematics such as control on the cash flows, payroll, revenue, financial analysis, risk analysis, etc. Fianally he clarifies students doubts relating to mathematics in commerce.



Valedictory function: After the Session III and tea break, we celebrated Valedictory function. For this function, we invited Dr. M. Satyanarayana, Vice Principal, University College, Telangana University. We distributed the certificates to participants. We conclude the workshop at 4.00 PM. Overall, the program was grand success. The participants are real beneficiaries in terms of invited lectures. The program coordinator and the department of Mathematics are highly thankful and acknowledge the support from DST, Gol, NCSTC, TSCOST & Dept. of EFS&T, Govt. of Telangana.

National Seminar on Mathematical Modeling (NSMM-22)

**Dr. A Madhusudhan, Department of Mathematics,
Rajiv Gandhi University of Knowledge Technologies
Basar, Nirmal District, Telangana-504107.**

The department of Mathematics, Rajiv Gandhi University of Knowledge Technologies - Basar has Organized One Day National Seminar on Mathematical Modeling (National Mathematics Day-NMD-22) on 24th Jan 2023 at SAC Auditorium, RGUKT-Basar.

Inaugural function:

It started at 9.30 AM followed by an invocation and lighting of the lamp. Prof.P.Satish Kumar, Director, RGUKT, Basar, Mr. Madhusudhan Adepu, HOD, Department of Mathematics, Dr. K. Pavani, Associate Dean of Sciences, Dr. T. Nagasai Kumar, Associate Dean of Humanities, Dr. H. Dattu, Mr.T.P.Sunil Kumar, Mr. Kumar Ragula and other faculty members of Department of Mathematics participated. **Dr.CH.Ramreddy, Associate Professor, Department of Mathematics, NIT Warangal**, was invited as a Guest Speaker to give an invited talk on “**One Day National Seminar on Mathematical Modeling**”. The invited talk was started at 10.00 AM. by **Dr. CH. Ramreddy Associate Professor, Department of Mathematics, NIT Warangal**. He gave a lecture on “One Day National Seminar on Mathematical Modeling, Emerging fields in Mathematics & Opportunities “containing applications of Mathematics in various fields, Indian Legends in Mathematics.

Session 1: Concept and Applications of Mathematical Modeling:

The first session talk was started at 10.00 AM by Dr. CH. RAMREDDY, Associate Professor, Department of Mathematics, NIT Warangal. He gave a lecture on “**MATHEMATICAL MODELING**” containing the Concepts mentioned below. Mathematical modeling is a method that represents and explains real systems and occurrences using math formulas, descriptions, and approaches. Professionals use mathematical models to examine, analyze and predict behaviour and events. Successful applications of mathematical modeling techniques in engineering sciences have led the way to extend the techniques to more exotic areas of inquiry, like nanotechnology, nuclear-reactor engineering, material science, environment, weather prediction, biological processes, space sciences, cosmology, and also Mathematical models are used to solve many real-life situations like launching a satellite, predicting the arrival of the monsoon, controlling pollution due to vehicles and reducing traffic jams in big cities. In engineering and technology, it provides the analytical basis for design and control in which predictions can be confidently made without spending valuable resources of money and effort. Finally, said that Mathematical Modeling is a language for learning Engineering subjects. This presentation was very much received by our students.






Session2: Developing Mathematical Modeling skills:

The next session started at 11:45 AM. In this session He delivered about the equations and graphs which are the most common types of mathematical models, there are other types that fall into this category. Some of these include pie charts, tables, line graphs, chemical formulas, or diagrams. Mathematical Modeling can be used in all stages to help learn a new skill, undertake a task more effectively in terms of the success criteria, develop thinking skills, and thought processes, etc., Task Modeling occurs when

the teacher demonstrates tasks students will be expected to do on their own. Mathematical Modeling provides an effective way of building mental discipline and encourages logical reasoning and mental rigor. In addition, mathematical knowledge plays a crucial role in understanding the contents of other subjects such as science, social studies, and even music and art.

Valedictory Session: The Chief Guest Prof. P. Satish Kumar, Director, RGUKT, Basar has given a short speech to the students about the importance of the legends and explained to the participants to dream of their goals and how to achieve them. We thank our Hon'ble Vice-Chancellor, RGUKT, Basar Prof. V. Venkata Ramana sir and Sri. Marupaka Nagesh, Member secretary, TSCOST for supporting and sponsoring to organize the program by the Department of Mathematics, RGUKT, Basar. All the participants, members of the organizing committee, and student volunteers were given appreciation certificates. The program was ended by proposing the vote of thanks by Mr.T.P.Sunil Kumar, Assistant Professor, Department of Mathematics and Program co-coordinator.

<p>About the Seminar: A mathematical model is a mathematical relation that describes some real-life situation. Mathematical models are used to solve many real-life situations like:</p> <ul style="list-style-type: none"> • launching a satellite. • predicting the arrival of the monsoon. • controlling pollution due to vehicles. • reducing traffic jams in big cities. <p>Who Shall Attend: The Seminar is intended for Students, Faculty and Research Scholars.</p> <p>Registration: https://bit.ly/2H0scwm</p>  <p>Venue: SAC Auditorium Date: 24-01-2023 Time: 10.00 AM - 1.00 PM</p> <p>Coordinator Mr. Madhusudhan A Head of the Mathematics Department RGUKT-Basar Dist:Nirmal, Telangana State.</p>	<p>About RGUKT: Rajiv Gandhi University of Knowledge Technologies (RGUKT) Basar was established as a university in Andhra Pradesh (A.P), India. In March 2008, the then AP Government created RGUKT by an act of the Legislature as a full-fledged university which would initially admit approximately the top 1% of the rural students into the three residential campuses located at Basar, Nuzvid, and R K Valley (duplepalai- Kadapa). The first batch of about 6,500 tenth class students got admitted into a six year integrated program in August 2008.</p> <p>Subsequently, due to the bifurcation of the erstwhile state of Andhra Pradesh into Telangana and Andhra Pradesh in the year 2015, the three campuses too got divided between the two states. Currently, the Basar campus of RGUKT is the only one that is functioning in the state of Telangana.</p> <p>About Mathematics Dept: The Department wishes to focus on providing a comprehensive curriculum at undergraduate and postgraduate levels. The department has at present 19 energetic and dedicated faculty members in many diverse areas of mathematics, and it also boasts of hosting visits of a good number of distinguished mathematicians every year. The departmental faculty is supporting the students for preparing for various competitive exams at different levels like GATE, GRE, CAT.</p>	<p>RAJIV GANDHI UNIVERSITY OF KNOWLEDGE TECHNOLOGIES</p> <p>One Day National Seminar On MATHEMATICAL MODELING On 24th January-2023</p> <p>Sponsored by TELANGANA STATE COUNCIL OF SCIENCE & TECHNOLOGY (TSCOST)</p> <p>SPEAKER Dr. Ch. Ramreddy Associate Professor Department Of Mathematics National Institute of Technology-Warangal</p> <p>Chief Patron Prof. V. Venkata Ramana Vice Chancellor</p> <p>Patron Sri Marupaka Nagesh Member Secretary TSCOST</p> <p>Chairman Prof. P. Satish Kumar Director</p>
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 <p>RAJIV GANDHI UNIVERSITY OF KNOWLEDGE TECHNOLOGIES - BASAR</p> <p>ONE DAY NATIONAL SEMINAR ON MATHEMATICAL MODELING</p> <p>As part of National Mathematics Day Celebrations Catalysed & Supported by</p>			
	 <p>Telangana State Council for Science and Technology (TSCOST)</p>	<p>National Council for Science & Technology Communication (NCSTC)</p> 	
<p>Chief Patron Prof. V. Venkata Ramana Vice Chancellor</p>	<p>Speaker Dr. Ch. Ramreddy Associate professor, Dept of Mathematics, NIT Warangal</p>	<p>Patron Sri. Marupaka Nagesh Member Secretary TSCOST</p>	
<p>Chairman Prof. Satish Kumar Peddapelli Director</p>	<p>On 24th January, 2023. Venue SAC Auditorium</p>	<p>Coordinator Mr. Madhusudhan Adepu Head of the Mathematics Department</p>	

One day Workshop on “Computational Mathematics”

Dr. H Dattu, Department of Mathematics,
Rajiv Gandhi University of Knowledge Technologies
Basar, Nirmal District, Telangana-504107.

The Department of Mathematics, Rajiv Gandhi University of Knowledge Technologies - Basar has Organized One Day workshop on “Computational Mathematics”(National Mathematics Day-NMD-22) on 1st March 2023 at SAC Auditorium, RGUKT-Basar.

Inaugural function: It started at 10.00 AM followed by an invocation and lighting of the lamp. Prof.P.Satish Kumar, Director, RGUKT, Basar, Mr. Madhusudhan Adepur, HOD, Department of Mathematics, Dr. K. Pavani, Associate Dean of Sciences, Dr. H.Dattu, Assistant Professor in Mathematics, Mr.T.P.Sunil Kumar, Mr. Kumar Ragula and other faculty members of Department of Mathematics participated. Then Dr.H.Dattu, Coordinator of the workshop had given brief introduction about workshop, about the funding authority (TSCOST, NCSTC) and about the resource persons of the workshop. He ended up by thanking Honourable Vice Chancellor, Director and Member Secretary of TSCOST for making this event happen. Next, The Head of Mathematics Department had given brief introduction about the department. Then respected Director Sir addressed the gathering explaining the importance of mathematics in engineering. He also added that the computational mathematics has plenty of applications in real life and it is being used in Liberty Lifting problems. He concluded his speech by thanking TSCOST for funding the workshop and congratulating all the faculty members of Mathematics Department. The series of lectures were started from 10.30 AM and ended by 4.00PM. The registered students are from PUC-1,2 and E-1.We have received 1453 applications from students as well as faculty and out of which we allowed 985 are allowed to attend on first come first serve basis.

Session 1: Symbolic Mathematics with SymPy in Python:

Resource Person: Mr. Nagesh Talagani, Assistant Professor, Department of Mathematics, RGUKT-Basar The first session was started at 10.30 AM by Mr. Nagesh Talagani, Assistant Professor, Department of Mathematics, RGUKT-Basar. The brief introduction about speaker is given by Mr.G.Thirupathi, Assistant Professor, Mathematics, RGUKT. In this session Mr.Nagesh Talagani has explained how to use symbolic mathematics with SymPy in Python in which he explained how to calculate mathematics problems step by step using Python with examples. The presentation was well received by the audience.

Session 2: Graph Plotting using Matplotlib in Python:

Resource Person: Mr. T.P.Sunil Kumar, Assistant Professor, Department of Mathematics, RGUKT-Basar The session 2 started at 11:45 AM and Mr.Thirupathi Rao, Mentor, Department of Mathematics has given brief introduction about the resource person. In this session Mr.T.P.Sunil Kumar had delivered lecture about how to draw graphs using matplotlib in Python in 2-D and 3-D also. He had given lot of examples of the the functions how to plot their graphs and how to shade the area under the curves. The session was very useful for the audience as they are beginners with the functions and plots.

Session 3: Introduction to Mat lab and applications :

Resource Person: Mr. Kumar Ragula, Assistant Professor, Department of Mathematics, RGUKT-Basar The session 3 started at 2:00 PM and Mrs.Tarabai, Mentor , Department of Mathematics, has given brief introduction about the resource person. In this session Mr. Kumar Ragula had delivered lecture about how to use Mat lab to find solutions of the mathematical problems. He also explained how to find eigen values and eigen vectors using Mat lab, also finding solutions of system of equations by echelon form.

Session 4: Optimization Techniques and Applications:

Resource Person: Mr.T.Prakash, Assistant Professor, Department of Mathematics, RGUKT-Basar

The session 4 started at 3:00 PM and Mrs.Sandhya Rani, Assistant Professor, Department of Mathematics, has given brief introduction about the resource person. In this session Mr. T.Prakash had delivered lecture about how optimization techniques are useful for engineering students and real life applications. He also explained how to use minimum resources to get best output possible.

Valedictory Session: The Chief Guest Prof. P. Satish Kumar, Director, RGUKT, Basar has given a short speech to the students about the importance of the legends and explained to the participants to dream of their goals and how to achieve them. We thank our Hon'ble Vice-Chancellor, RGUKT, Basar Prof. V. Venkata Ramana sir and Sri. Marupaka Nagesh, Member secretary, TSCOST for supporting and sponsoring to organize the program by the Department of Mathematics, RGUKT,Basar. All the participants, members of the organizing committee, and student volunteers were given appreciation certificates. The program was ended by proposing the vote of thanks by Dr.H.Dattu,(Coordinator of the work shop) ,Assistant Professor, Department of Mathematics and Program Co-coordinator.

<p>A One Day Workshop On "Computational Mathematics" As part of National Mathematics Day Celebrations On 1st March, 2023</p> <p>Sponsored by National Council for Science & Technology Communication (NCSTC) Department of Science & Technology, Govt. of India And Telangana State Council of Science and Technology (TSCOST) Department of EP&T, Govt. of Telangana</p> <p>REGISTRATION FORM</p> <p>Name: Prof/Dr/Mr/Ms _____ Designation: _____ Organization Address: _____ Tel : _____ Fax : _____ Address for communication: _____ Mobile: _____ E-mail: _____ Date: _____ Place: _____</p> <p>Signature (Photocopies of registration form are acceptable) The registration for the program is also through online mode by filling the details in google form using the link or QR code appended. Link for registration: Click here to apply</p>  <p>Scan QR code to register</p>	<p>CHIEF PATRON Prof. V. Venkata Ramana Vice Chancellor RGUKT –Basar</p> <p>PATRONS Prof. P. Satish Kumar Director RGUKT-Basar Sri Marupaka Nagesh Member Secretary (TSCOST)</p> <p>COORDINATOR Dr. H.Dattu Assistant Professor, Department of Mathematics, RGUKT Basar</p> <p>ORGANIZING COMMITTEE Mr. A. Madhusudhan, Head Mr. B. Sathanna Mr. T. P. Sunil Kumar Mr. Suresh Devanapalli Mr. Nagesh Talagani Mr. G. Savanna Mr. T.Prakash Mrs. Ch.Sandhya Rani Mr. G. Thirupathi Mr. Pasunoori Srinivasulu Mr. Kumar Ragula Mr. Bala Raju Mr. D. Praveen Kumar Mrs. Tarabai. L Mr. M.Thirupathi Rao</p>	<p>A one day workshop On "Computational Mathematics" As part of National Mathematics Day Celebrations On 1st March, 2023</p> <p>Sponsored by National Council for Science & Technology Communication (NCSTC) Department of Science & Technology, Govt. of India And Telangana State Council of Science and Technology (TSCOST) Department of EP&T, Govt. of Telangana</p>    <p>Organized by Department of Mathematics Rajiv Gandhi University of Knowledge Technologies, Basar Nirmal(Dist), Telangana State-504 107</p>
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National Seminar on Changing a paradigm shift by Exerting Artificial Intelligence

Prof. G Mallesham, Department of Electrical Engineering,
University College of Engineering, Osmania University, Hyderabad

To commemorate the birth anniversary of the great Indian Mathematician Srinivasa Ramanujan, the department of Electrical Engineering, University College of Engineering, O.U Hyderabad has Organized a One-day National Seminar on **Changing a paradigm shift by Exerting Artificial Intelligence**. The National Seminar on March 01-2023 in the E-Class Room, Department of Electrical Engineering.

First Session: This competition was very much received by our students. The session for 4 hours.

1. DEBATE On the Relevance of AI and its Impact on the future of work in which 12 participants actively took part from students from OU and other colleges.
2. ELOCUTION on the ethics of artificial intelligence and its role in society. 16 participants spoke on the topic effectively.
3. POSTER PRESENTATION On the Relevance of Role of Artificial Intelligence in Health Care in which 15 participants actively took part from students.
4. PAPER PRESENTATION on the Relevance of Srinivasa Ramanujan works in today's world of mathematics, in which 25 participants actively took part from students.

DEBATE

1.	Saneya Siddiqui & Karthik.B	BME, UCE, O. U	First prize
2.	Rohit S & Manasa M	ECE, UCE, O. U	Second prize

ELOCUTION

1.	K. Teja Reddy	EED, Mallareddy University	First prize
2.	S. Jatin Gupta	ECE, Mallareddy University	Second prize
3	Rohith. S	ECE, Mallareddy University	Second prize

POSTER PRESENTATION

1.	Saneya Siddiqui	BME, UCE, O. U	First prize
2.	Dinesh Choudary	EED, Mallareddy University	Second prize

PAPER PRESENTATION

1.	K. Teja Reddy & Shivani Vyshnavi	EED, Mallareddy University	First prize
2.	C. Joshith	EED, UCE, O. U	Second prize
3.	S. Jatin Gupta & S. Dinesh	ECE, Mallareddy University	Special prize

Second Session: The next session started at 3.00 p.m. by Dr. Sirisha, founder & Director, AI Practices, Empiezo IT Solutions, AI Concept Studio. She has delivered a lecture on "Artificial Intelligence. This session was continued for 1:30 hours. There was a valedictory session for about 4:30 p.m. The prize winners received the shields from guest of honor, Vice Principal, Speaker and other faculty members of department of Electrical Engineering.



ఆర్దిఫిషియల్ ఇంటిలిజెన్స్ తో

సరికొత్త ఇన్నోవేషన్స్

ఎంఫిజీ ఐటీ సొల్యూషన్స్ ఏఐ విభాగం ఫౌండర్ శిరీష

ఓయూ. వెలుగు: ఇంజనీరింగ్ లోని వివిధ విభాగాలకు ఆర్దిఫిషియల్ ఇంటిలిజెన్స్ (ఏఐ) టెక్నాలజీని లింక్ చేసి సరికొత్త ఇన్నోవేషన్ల దిశగా స్టూడెంట్లు దృష్టి పెట్టాలని ఎంఫిజీ ఐటీ సొల్యూషన్స్ ఫౌండర్ శిరీష తెలిపారు. టీబిక్ స్టూడెంట్లు కేవలం కంప్యూటర్ సైన్స్ కే పరిమితం కాకుండా అన్ని విభాగాల్లోనూ సిల్వీ పెంచుకోవాలని సూచించారు. జాతీయ మ్యాథమేటిక్స్ అండ్ సైన్స్ డే నందర్వారంగా బుధవారం ఉస్మానియా ఇంజనీరింగ్ కాలేజీ ఎలక్ట్రికల్ డిపార్ట్ మెంట్ లో ' కృత్రిమ మేధ మారనుస్సు సాంకేతిక రంగ ముఖ చిత్రం' అనే అంశంపై సెమినార్ నిర్వహించారు. చీఫ్ గెస్టుగా శిరీష హాజరై మాట్లాడారు. దేశీయంగా అభివృద్ధి చేసిన ఆప్టికేషన్లతో స్టూడెంట్లు, రీసెర్చ్ స్కాలర్లు మరిన్ని ఇన్నోవేషన్లు చేయాలని పిలుపునిచ్చారు. ఓయూలో ఏఐ, మెషిన్ లెర్నింగ్ విభాగాలను అందుబాటులోకి తీసుకొచ్చామని యూజీసీ వ్యవహారాల డీన్ ప్రొఫెసర్ మధ్దేశం తెలిపారు. ఇంజనీరింగ్ కాలేజీ వైస్ చైర్మన్ పల్లె ప్రొఫెసర్ పి. చంద్రశేఖర్, ఎలక్ట్రికల్ హెచ్ ఐ డీ ప్రొఫెసర్ ఏనురత్నం, మంగు పొల్లన్నారూ.



One Day Workshop on Applications of Statistics in Science

Dr. K. Sampath Kumar
Department of Applied Statistics, Telangana University

The Department of Applied Statistics, Telangana University has celebrated 11th NATIONAL MATHEMATICS DAY - 2022 (NMD-22) on 28th February, 2023 by organizing **One Day Workshop on Applications of Statistics in Science under the financial support of DST, Gol, NCSTC**. About 100 UG and PG Statistics students and faculty from university and its affiliated colleges were participated.

Prof. M. Aruna, Dean, Faculty of Science and Controller of Examinations, Telangana University and Guest of Honour of workshop inaugurated the workshop with lighting of the lamp. In this inaugural ceremony Prof. Ch. Arathi, Principal, University Arts and Science College, Telangana University as Guest of Honour and keynote speakers Prof. V.V. Haragopal, Professor (Retd.), Department of Statistics, OU and Prof. C. Ravi, CESS, Hyderabad also participated.

After inauguration Dr. K. Sampath Kumar, Convener of this workshop given opening remarks about workshop. Guest of Honour Prof. M. Aruna, Dean, Faculty of Science and Controller of Examinations, Telangana University speaks about importance of Mathematics in real life and about Ramanujan and the she elaborated about Statistics importance in Science Research. Guest of Honour Prof. Ch. Arathi speaks about why we have been celebrating National Mathematics Day. He also discussed auto biography of Srinivasa Ramanujan. Express his thanks to TSCOST for financial support for organising NMD every year. Also, keynote speakers explain in their short speech about NMD and Statistical applications in different fields. After keynote speakers remarks, we felicitate all the guests and then we conclude inaugural ceremony.

Session I:

After Inauguration and tea break, we started Session I. In this session, Prof. V. V. HaraGopal discussed on the topic "The Role of Statistics in Textual Mining". Prof. Haragopal elaborated the different sources of data for textual mining like videos, images, webpages and structured and unstructured data from newspapers. After how textual data extracted from above sources using Natural Languages Processing using Python language. Then he explained what type of statistical techniques will be used in textual mining. Finally, he suggests students and faculty to do research, how textual mining applicable and use in different science research.

Session II:

After lunch break, we started Session II. In this session, Prof. C. Ravi from CESS, Hyderabad delivered a lecture on the topic "Importance of Sampling". Prof. Ravi discusses various sampling techniques which will be useful in different situations. He also explains about NSSO, CSO and explains about their duties. Finally he clarifies students doubts relating to Sampling.

**ONE DAY WORKSHOP ON
APPLICATIONS OF STATISTICS IN SCIENCE**

On the eve of 11th National Mathematics Day
on
28th February, 2023

Chief Guest:
Prof. D. Ravinder
Hon'ble Vice-Chancellor, TU

Guest of Honour: B. Vidya Vardhini Registrar Tangana University	Guest of Honour: Prof. M. Aruna Dean, Faculty of S&CSE, Telangana University	Guest of Honour: Prof. Ch. Arathi Principal, University College Main Campus, TU	Keynote Speaker: Prof. V. V. Haragopal Professor (Retd.), Department of Statistics, OU, Hyd.	Keynote Speaker: Prof. C. Ravi, CESS, Hyderabad
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Convener:
Dr. K. Sampath Kumar
Head & Chairman, BoS
Department of Applied Statistics, TU

Faculty Members, Department of Applied Statistics, TU:
Dr. J. Parushotham
Mr. P. Rajeshwar
Mr. M. Varisimoini
Mr. E. Sandeep

Organized by
DEPARTMENT OF APPLIED STATISTICS, TELANGANA UNIVERSITY
CATALYZED AND SUPPORTED BY
NATIONAL COUNCIL FOR SCIENCE & TECHNOLOGY COMMUNICATION (NCSTC), DEPARTMENT OF SCIENCE & TECHNOLOGY, GOVT. OF INDIA
AND
TELANGANA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY (TSCOST) DEPT. OF EFS&T, GOVT. OF TELANGANA



One Day Workshop on Applications of Statistics in Science
On 28th February, 2023
On the eve of 11th National Mathematics Day
Organized by the
Department of Applied Statistics, Telangana University

Catalyzed and Supported by
National Council for Science & Technology Communication (NCSTC), Department of Science & Technology, Govt. of India
and
Telangana State Council for Science and Technology (TSCOST) Dept. of EFS&T, Govt. of Telangana

Certificate of Participation

This is to certify that Mr./Ms. K. Shamsan
from University College of Science - Telangana University College has participated in the
"One Day Workshop on Applications of Statistics in Science" organized by the Department of Applied Statistics, Telangana
University, Nizamabad, on 28th February, 2023.

Aileen
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