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INSTITUTE OF ENGINEERING AND TECHNOLOGY**
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EAMCET CODE: VJEC   PGECETCODE: VJEC1

ESTD:1995

National Mathematics Day

National Mathematics Day is known for Srinivas Ramanujan. A self-taught mathematician who made extraordinary contributions to the world of mathematics. Srinivasa Ramanujan was one of the most influential mathematicians of his time. He was considered as doyen of number theory, infinite series, mathematical analysis and making formulas and equations without any formal training in pure mathematics. As a mathematical genius, he had compiled more than 3900 mathematical results and equations and getting discoveries named after him. His numerous assertions in mathematics opened up new vistas of mathematical research. Along with British Mathematician Hardy, Ramanujan had discovered the smallest number represented as sum of two cubes **1729** which is known as Hardy-Ramanujan number.

He didn't live long but in his short life he compiled more than 3900 mathematical results and equations, and his discoveries namely Ramanujan Prime and Ramanujan theta inspired further research on the subject.

An unparalleled genius and a self-taught mathematician, Ramanujan found his true calling in numbers and made extraordinary contributions to mathematical analysis, number theory, infinite series, and continued fractions.

Objectives-

1) To create awareness and develop love and compassion for Science.
2) To enhance creativity of students.
3) To develop curiosity for various natural phenomenon taking place and to satisfy the same through hands on activities.
4) To promote development of Science talents through quizzes, competitions and screening of audio-visual programmes.
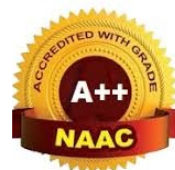
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A Report on National Mathematics Day -2022

National Mathematics Day-2022, Celebrated by Dept of Mathematics in collaboration with IETE, IEEE at VNR VJIET

On this occasion the following competitions were conducted
1. Quiz
2. Sudoku
3. Rubik's Cube
4. Power Point Presentation
5. Poster Presentation

Highlighting contribution of National/International Mathematicians was organized for the participating college students from 1st year B.Tech VNR VJIET.

Events Schedule

DATE: 22.12.2022   VENUE: B BLOCK   SEMINAR HALL

| TIMINGS	SESSION/EVENT
10.00AM-10.05AM	Lighting of Lamp
10.05AM-10.10AM	Welcome address by Coordinator
10.10AM-10.15AM	Address by , Director of Advancement - Dr. B. *Chenna Kesava* Rao, VNR VJIET
10.15AM-10.20AM	Address by Principal, Dr.C.D Naidu,VNR VJIET
10.20AM-10.25AM	Address by Dean, Student Progression , Dr.Y.Padma Sai-VNR VJIET
10.25AM-10.30AM	Address by HOD H&S,Dr.T.Jayashree VNR VJIET
10.30AM-10:35M	Introducing Guest 1- Kshitij Kulkarni
10.35AM-11:00AM	Guest 1- Kshitij Kulkarni-Address the Gathering
11.00AM-11.05AM	Introducing Guest 2- Tejas Shah
11.05AM-12.00PM	Guest-2- Address- Tejas Shah
12.00PM-01.00PM	**Lunch**
01:00PM-01:05PM	Introducing Guest 3- Prof.G.Radha Krishnamacharya
01:05PM-02:40PM	Guest-3- Address -Prof.G.Radha Krishnamacharya
02:40PM-02:50PM	Felicitation to Guest
02:50PM-03:15PM	Prize Distribution
03:15PM-03:30PM	Vote of Thanks by Coordinator
10:00AM-11:30AM	Poster Presentation
10.30AM-11.30AM	Power Point Presentation

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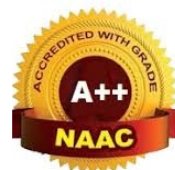
To give respect and tribute to great Mathematician's Srinivasa Ramanujan, the programme begin with by offering garlands to his photos by of Dr.C.D.Naidu Principal, Dr.K.Anuradha Dean Academics, Dr.Y.Padma Sai, Dean Student Progression and Dr.T.Jayashree HoD H&S, Dr.M.Rajsekar HoD Cys,Dr.D Srinivasa Rao ,HoD IT and other participants offered a flowers.

At the outset the of the event Dr.E.Prasad, coordinator, NMD '22 welcomed the gathering and briefed out the importance of the day and highlighted the contribution of great mathematician Srinivasa Ramanujan. This was followed by Deans and HOD and motivating the students to participate actively in such events to learn from the example of Srinivasa Ramanunjan.

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SPEAKERS OF THE EVENTS

Prof .G.Radha Krishnamacharya,
Professor of Mathematics,
IIIT, Design and Manufacturing, Kurnool, A.P
His talk about,

- Life history of Srinivasa Ramanujan.
- Mathematics and its application in various branches of engineering and emerging technologies.
- How mathematics is used to announce the results of a rain affected cricket matches using the Duckworth–Lewis–Stern method (DLS).
- Mathematics related to bio fluid mechanics.

Kshitij Kulkarni Senior Analyst, Pennymac, Los Angeles, CA
His talk about,

- The applications of statistics in banking services.
- Identifying and capitalizing on improvement opportunities in various areas of software industry.
- Supervising the design of new products and evaluating how these will perform on the market.

Tejas Shah, MS ECE @ Georgia Tech Integrated Product Design Lab, Georgia Institute of Technology, Austin, Texas, United States.
His talk about,

- Importance of mathematics in computer games including Geometry, vectors, transformations, 3D Graphics.
- Transformation of 3D Image in robotics.
- He discussed about his B.Tech project on AC helmet and appreciation received from Sri.Venkaiah Naidu former President of India.
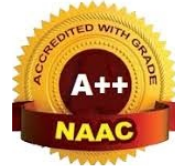
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The result of the competitions is given in the following table: -

Nearly 200 students of 1st B.Tech actively participated .Based on their participation the following list of students were honored with prizes in different said competitions.

Winners of different competition are as follows:

The following student winners should be present in B Block seminar hall at 12.40pm on 22.12.2022

S.No	Name of the Student/Team	Branch/Section	Position	Name of the Event
1	K Shailesh Reddy	AIML-A	1st	Quiz
	J.Hari Haran	AIML-A		
	M.Kyathi Meghana	AIML-A		
2	K Nithin	AIML-A	2nd	
	K Raja Vardhan	AIML-A		
	K Sri Charan	AIML-A		
3	B Lohith Reddy	AIML-B	3rd	
	A.Lakshmi Sai	AIML-B		
	P Rama Krishna Reddy	AIML-B		
4	T Meghana	CSE-B	4th	
	Shaik Narvin	CSE-B		
	V Indu Priya	CSE-B		
5	Salsabil Shehnaz	CSE-A	1st	Sudoku
	M Charan Teja	CSE-C	2nd	
	A Ananya	CSE-C	3rd	
6	D.Ravi Teja	Cys	1st	Rubik's Cube
	A.Pravallika	EIE	2nd	
	N.Sri Prathamesh	Cys	3rd	
7	D.Sriram	ME A	1st	Poster Presentation
	A.Druvan	ME A		
	A Araheen	ME A		
	T.Satwika	ME B	2nd	
	I Likhitha	ME B		
	G Vaideswari	ME B		
8	D.Kartheek	CE	1st	Power Point Presentation
	K Lekya sai mani Kumari	CE		
	K Rajashaker	CE		
	Mohammad Sadhik	CSDS	2nd	

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Finally, the event was concluded by Dr.Sivanageswara Rao, Coordinator NMD'22 with his vote of thanks.

Prepared by
Dr.E.Prasad & T .Siva Nageswara Rao
Asst Professors
H&S(Mathematics Dept) & Coordinator NMD'22

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A Report on National Mathematics Day -2021

The Department of Humanities and Sciences conducted a one day online event on 22nd December, 2021 at 2:00pm-4:00pm on the occasion of "National Mathematics Day commemorating Sri. Srinivasa Ramanunjan's 134th Birthday"

The aim of this celebration was to create awareness about the importance of mathematics in day to day situations and also to create students interest in studying Maths.

The event began with the lighting of a diya by Dr.Jayashree HOD of H&S Department, Dr.S.Rajendra Prasad HOD of ECE Department,, Dr.E.Prasad and Mr.Rajashaker Coordinators of the event from Mathematics H&S Dept , L.Dharma Teja and Priyanka Faculty of ECE Department to commemorate Srinivasa Ramanujan's birthday**.**

EVENT -1
Poster Presentation on topics related to Mathematics
The students were first instructed to prepare poster on the topic they would be presenting. Participants were already instructed to choose any math-related topic. Every group comprised of 2 or 3 persons of their choosing, and practically everyone presented really intriguing and unique applications that are truly beneficial but are yet unknown to many people. The event drew participated 30 students from various branches.
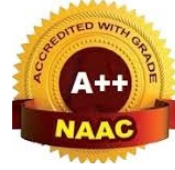
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EVENT-2

Quiz Competetion

In this event students were given the quiz question papers to complete within 15 minutes who ever scored the highest marks within less time got the prize

After the two events we also conducted fun games such as solving some problems as many as possible within 5 minutes and telling the specialty of some numbers given to them in chits.

Dr.E. Prasad
Coordinator of the Event
H&S- Mathematics Dept and Team IETE
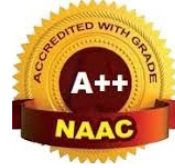
A Report on "National Mathematics Day" -2020

The Department of Humanities and Sciences conducted a one day online event on 22nd December, 2020 at 2:00pm-4:00pm on the occasion of "National Mathematics Day- commemorating Sri. Srinivasa Ramanujan's 133rd Birthday" .

The main objective of the event was to celebrate Sir Ramanujan's birthday and make students realize the practical and daily life applications of Mathematics in engineering. The event started by lightening the lamp and garlanding Srinivasa Ramanujan's photo in the Department of Humanities and Sciences.

The students of I & II B.Tech enthusiastically presented and participated in the events .The program started with a video presentation by Srikar , II B.Tech ECE-4 student through Google Meet on the topic " Srinivasa Ramanujan Life History".
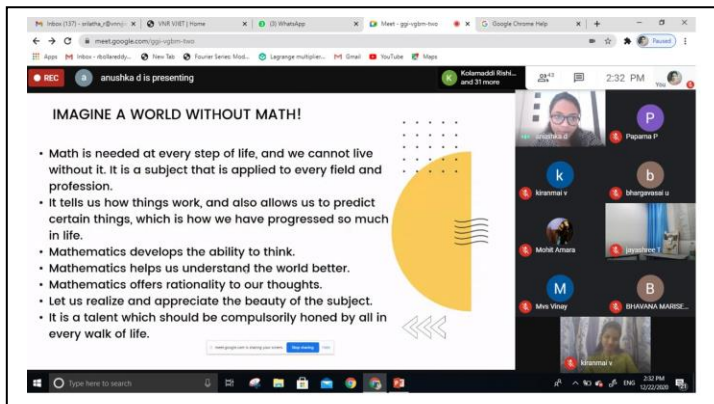
The students gave presentations on various topics related to mathematics day .The below are the list of students who did presentations:

1) Kiranmai and Anushka (II B.Tech EIE)

The presentation was about importance of Mathematics around the world. She also introduced about the great ancient mathematicians Brahmagupta and Bhaskara.

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2)   P. Manav and T.Nikitha (II B.Tech EIE)

This presentation is about biography of Srinivasa Ramanujan and his works in number theory. Also they explained about Aryabhatta, Euler contributions in mathematics.

3) Ajitesh Chadalavada (II B.Tech EIE)

Presentation was about the life of Pythagoras and his significant contributions in mathematics.

4) Bhargav Sai (II B.Tech ECE)

The presentation is about the origin of mathematics day globally and the importance of mathematics in real life.

5) Vinay (II B.Tech ECE)

He presented on the importance of numbers and involvement of mathematics in engineering.

6) P.Tanusree (II B.Tech ECE)

The presentation comprised of applications of mathematics in our daily life and also in social
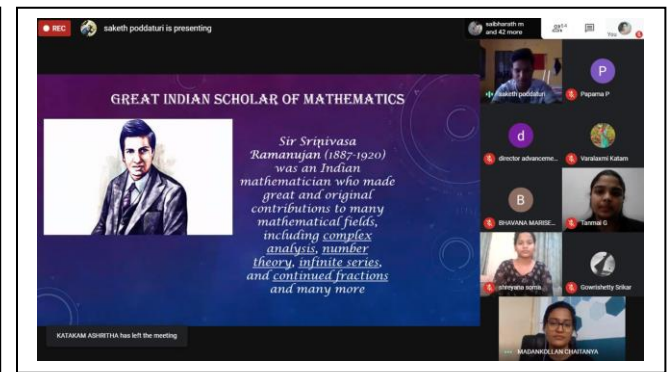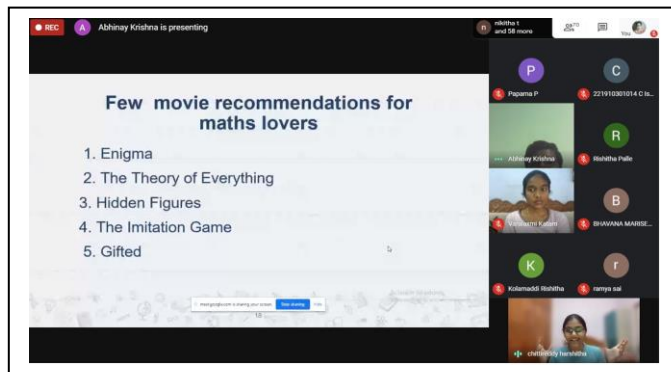
media.

7) Bhavana and Rishitha (II B.Tech ECE)

The presentation was about the biography of Srinivasa Ramanujan and his contributions in mathematics towards research.

8) Kedari and group (I B.Tech ME)

The presentation was about the importance of national mathematics day and they quoted some mathematicians such as Mahaveera, Ganesh prasad and Prashanta Chandra.
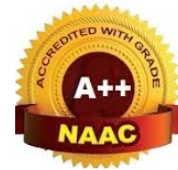
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9)   Rishitha,Harshini,Harshitha ,Hitaish,Abhinay and Chaitanya (I B.Tech DS)

The presentation is about maths day and its importance in real life .Also they stated about contributions in mathematics by Srinivasa Ramanujan, Aryabhatta ,Bhaskara and also included the uses of mathematics in daily life.

10)   Saketh,Tanmai,Srikar,Snehith,Shreyana and Chaitanya(I B.Tech DS)

The presentation comprised of discoveries in mathematics by great mathematicians like Srinivasa Ramanujan, Aryabhatta,Bhaskara and significance of mathematics in real life.

11)   Bhavana (II B.Tech EIE)

Presentation was about importance of mathematics in engineering and contributions in maths by mathematician Prashanta Chandra

12)   Ramya (II B.Tech ECE)

The presentation is about the biography of Srinivasa Ramanujan and his contributions in mathematics .Also included the importance of maths in engineering fields.
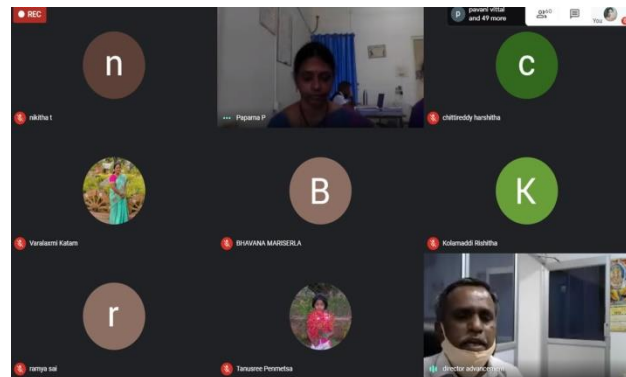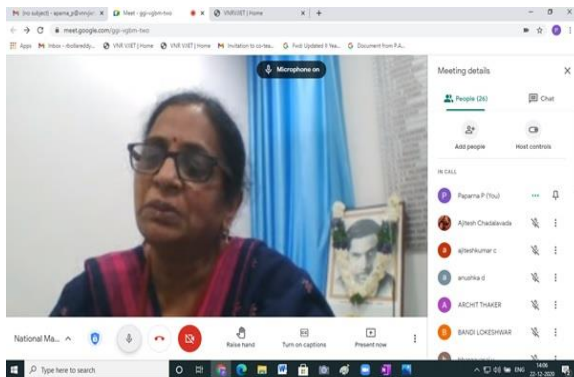
Finally the event concluded with talk by Prof. T.Jayashree, Head of the Department ,H&S and Dr. B. Chennakesava Rao, Director for advancement motivated and inspiring the students about the importance of mathematics in engineering , especially in emerging areas like Machine learning and Artificial intelligence.

Coordinator

Dr.R.Srilatha

A Report on "National Mathematics Day" -2019

The Department of Humanities and Sciences in collaboration with team IETE has conducted one day event on 23rd December, 2019, on the occasion of "National Mathematics Day- commemorating Sri. Srinivasa Ramanujan's 132nd Birthday" at B-Block Seminar Hall from 12:00pm-04:00pm

The main motto of the event was to celebrate Sir Ramanujan's birthday and make students realize the practical and daily life applications of Mathematics in each and everyone's life. .

The event started by remembering the birthday of sir Ramanujan and a diya was lighted by the Dr. Sirisha mam, Faculty of H&S Department.

Thus two events were conducted

EVENT 1: **Power point presentation** on the topic Importance Of Mathematics In Engineering. First, the students were informed to get four slides and a poster regarding the topic they are presenting. Participants were already told to select any application related to math. Every group consisted of 3people of their own choice and almost everyone presented very interesting and different applications very well which are truly very useful and still not known by many. Around 30 students from different branches participated in the event.

The following were the participants of ppt presentations:

1)   Sreeram Koushik- 18071A05G4 and Sahiti Vesang- 18071A0548

     Their presentation was about importance of mathematics in engineering like its applications in every branch of detailly-In CSE we use matrices, In ECE we use Laplace and Fourier transform, In CIVIL we use calculus and concluded by stating "today in this merge of technology trend to run behind it but often forget the beauty of mathematics behind it's creation. Theyalso
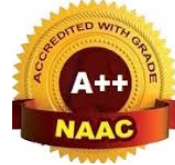
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presented about the contributions of Dr. Srinivasa Ramanujan and Shakuntala Devi towards mathematics.

2)   Sri Aditya - 18071A0475 and Badri Rohit -   18071A0465

    MOBIUS STRIP: Their presentation was about a mathematical property of being unorientable that is mobiusstrip .They stated that about it's advantages, disadvantages and its area of applications as follows: It is a form of infinite loop, It is used to transform points.

3)   Greeshma Nethrika and Likhitha Reddy
    They presented about the importance of learning mathematics practically and also it's important in different fields and branches of engineering Being Engineers we realised the importance of the math to break the complexity of the problem and to create the better world.

4)   Bhavani, Priyanka Varma and Yashswee
     How the math is involved in the image processing

5)   Geethika 18071A0576 and Pranitha -18071A0582

    They gave an introduction about mathematics in engineering and and stated that Engineering Mathematics is the branch where we apply its techniques and methods in the field the of industries and engineering. Also about different applications of maths in engineering. They also gave a brief note on the mathematicians who played major role.

6)   Sujith Simha-18071A04P1, PRASHANTH-18071A04Q9 ,Prasanna -18071A04N2
    The presentation comprised of how math is applied in the solving mystery case using Differential equations in different fields of engineering.

7)   Venkat Sai Suchandra18071A05H9 ,Vishnu Vardhan Reddy 18071A0540
Mohammed Ahmed Khan 18071A05F4
Math plays an important in a human life it's not just a topic in school or college it is a simple part of the humans' life from the start day of life to the end day of life everywhere math is involved in life. Relation algebra in relation database, Boolean algebra in Logic gates
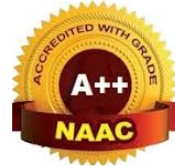
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With the completion of presentations everyone were guided by the judges regarding the things that to be followed after presentation.

EVENT 2: **QUIZ COMPETETION**: It comprised of 3 rounds.

1st round: All the participants were divided into teams of 2 and a set of typical maths questions were displayed. A time limit of 10 minutes was given the team which scored maximum marks in a comparatively less time has been awarded. 4 top teams were selected to the second round

2nd round: Equation spinner : There were two players in the team in which one was blind folded and a number was displayed with which he has to form an equation to get that number as the solution. The person who is blind folded holds a stack of cups in which some numbers and operators were written. The other person tells the blind folded one accordingly to spin the glasses to get the correct equation

3rd round: MARSH MELLOW REPLICA: A polygon, quadrilateral or some kind of shaped were displayed from which the participants have to make a replica of it using marsh mellows. Finally the team which has done it correct and fast was awarded.
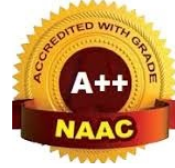
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WINNERS OF PPT PRESENTATIONS

1) Greeshma nethrika, Likitha Reddy EIE 3RD YR

2) Sai Suchandra, Vishnu vardhan, Mohammad Ahmed khan CSE 3RD YR.

WINNERS FOR QUIZ EVENT

1) Vybhav, Sai ram 3rd year ECE   2) Lohith, Anesh 3rd yr IT

The prize winners were awarded by Prof T Jayashree HOD OF H&S, Prof. Y Padma Sai HOD of ECE and Dr. B.Chennakeshava Rao Director – Advancement & Dean Administration.

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The event ended with guidance's and suggestions given by Prof T Jayashree madam, Prof. Padma Sai madam and Dr. Chenna Keshav sir. With this, the students were motivated, gained knowledge and experienced about importance of Mathematics in engineering.

Finally, all the faculty of mathematics were gifted by the students for their immense love and support.

Coordinator

V Ganesh Kumar

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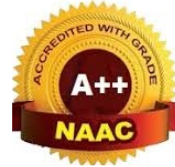
A Report on "National Mathematics Day" -2017

The Department of Humanities and Sciences has conducted one day event on 22nd December, 2017, on the occasion of "National Mathematics Day-commemorating Sri. Srinivasa Ramanujan's Birthday" at B-Block Seminar Hall from 9:30am-3:30pm.

Dr. K. Kuppuswamy Rao, Rtd. Professor, Department of Mathematics, Osmania University, Hyderabad was the resource person. He spoke about Ramanujan's life and the importance of Mathematics. Ravi Teja, a student of III B.Tech EEE, gave a presentation on "Connecting the Dots". Prof. T. Jayashree, Convener of the event, elaborated about the National Mathematics Day. 40 faculty members from various departments and 57 II B.Tech students of VNRVJIET attended the event. It was enlightenment for both the faculty members and the students.

The Department of H&S also conducted a Quiz competition on Analytical Mathematics and Reasoning. Around 75 students participated in the event. 20 students got eligible for the second round through screening test. Again, the selected students were divided into five groups. Among them 3 groups got prizes. The cash award was distributed for the winners.

Coordinator
G.Jithender Reddy

NATIONAL STATISTICS DAY

Late Professor Prasanta Chandra Mahalanobis is a father of Indian statistics, He was born on 29 June 1893, an Indian statistician and scientist. The National Statistics Day was first celebrated on 29th June 2007. The Government of India decided to celebrate the outstanding contribution made by Late Professor Prasanta Chandra Mahalanobis in the field of economic planning and statistical development and hence mark his birth anniversary as 'National Statistics Day'.


FATHER OF INDIAN STATISTICS

Prasanta Chandra Mahalanobis

29 June 1893 – 28 June 1972

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A Report on "National Statistics Day" commemorating
Sri. Prasanta Chandra Mahalanobis Birthday.

On the occasion of National Statistics Day-2021, the Department of Humanities and Sciences has organized a guest lecture on 29th June 2021, 11.00am to 12.40pm for I B.Tech I Sem students of AIML, Data Science, IOT and Cyber Security.
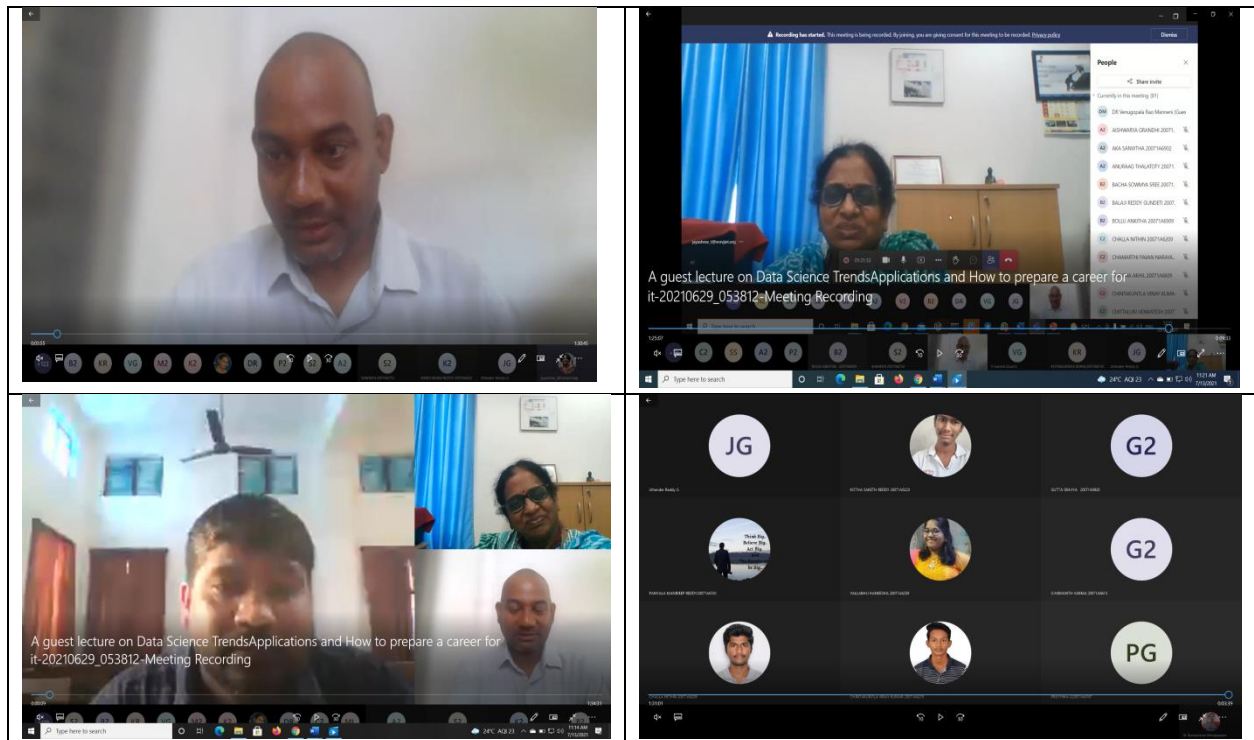
To commemorate the national statistics day, we conducted a guest lecture on statistics. **Dr. T. Jayashree**, Professor, HoD, Department of Humanities and sciences, Convener of the event, elaborated about the National Statistics Day. The resource person is **Dr. Venugopala Rao Manneni**, Learner, Practitioner & Teacher, General Manager at Juxt Smart mandate Analytical Solutions PVT LTD. Hyderabad. He explored about the present and future status of India, demand of AI & ML, real time applications, use cases of Data science, AIML and Cyber Security in health care system, Retail/ecommerce and banking sectors etc. Around 187 I B.Tech I Sem students of AIML, Data Science, IOT and cyber Security and 12 faculty members attended for this event.

Coordinator
Dr. G. Jithender Reddy