Atria Institute of Technology

CELEBRATION OF NATIONAL MATHEMATICS DAY - 2020

December 22nd, 2020
Theme: "Mathematics For Everything"

Organized by
Department of Computer Science & Engineering

Supported by,

KSCST
KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY INDIAN INSTITUTE OF SCIENCE, BANGALORE – 560012 Phone: 080 – 23341652, Tele-fax: 080 – 23348840
E-mail: office@kscst.org.in Website: www.kscst.org.in

NATIONAL MATHEMATICS DAY- 2020

Theme: "Mathematics is Everywhere"

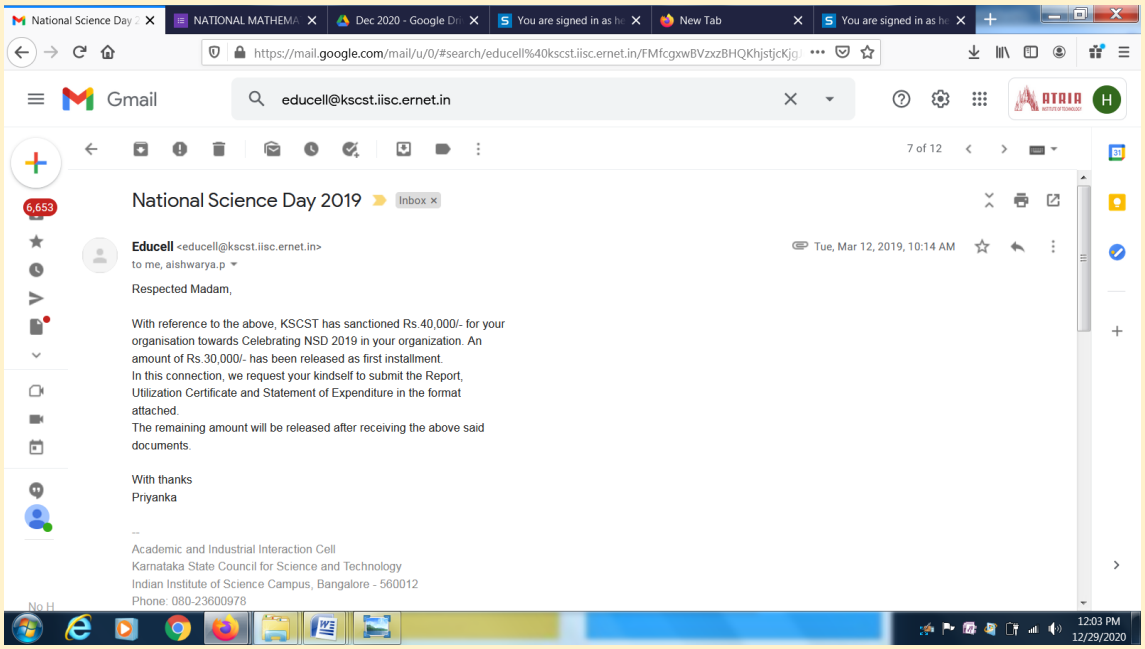
Background

The Indian Government declared 22 December to be **National Mathematics Day**. This was announced by Prime Minister Manmohan Singh on 26 February 2012 at Madras University, during the inaugural ceremony of the celebrations to mark the 125th anniversary of the birth of the Indian mathematical genius Srinivasa Ramanujan (22 Dec 1887- 26 Apr 1920). On this occasion Singh also announced that 2012 would be celebrated as the National Mathematics Year. Since then, India's National Mathematics Day is celebrated every 22 December with numerous educational events held at schools and universities throughout the country.

Karnataka State Council Of Science & Technology (KSCST), every year celebrates National Mathematics Day on 22nd December to commemorate the Birthday on **Srinivasa Ramanujam**. Karnataka State Council for Science and Technology has taken many science popularization activities and of these activities National Mathematics Day celebrations is one of the major events.

Atria Institute of Technology is celebrating National Mathematics Day for the first time by organizing Mini Math related CG project exhibition cum competition, Tech say, Make a Math model Competition, C for Mathematics, Keynote session on "Highlighting different career opportunities in the field of mathematics" and interaction with an experienced mathematician

Sanction E-Mail Proof:



Program objectives

On the following objectives, Atria institute Of Technology is planning to conduct various competitions, activities, seminars are the typical skills and abilities that the student will have after conducting National Mathematics Day.

- To celebrate and appreciate the contribution of Mathematics Wizard Dr. Srinivasa Ramanujan
- Popularization of the mathematics and allied technical contents
- To foster scientific attitude towards mathematics among students
- Interaction with the experts and show case day to day actions in mathematics
- Confident about Preparation of models, posters tech say, coding for mathematical expressions
- Eradicate phobia and fear against Mathematics among students by Math Fun activities
- Take leadership and mentoring roles during the design and implementation phases of CG projects which are related to mathematics
- To encourage innovative ideas with students and others.
- Apply ethical standards, principles of design for sustainable development, and environmental consideration to conceptualizing and implementing industry-related projects

The Celebration has been started by online Inaugural function .

Poster/Invitation:

Microflow of the program:

TIME	EVENT
09:00AM - 09:05AM	Arrival of the dignitaries through google Link
09:05AM - 09:10AM	Welcoming Address by Dr.Aishwarya P
09:10AM - 09:20AM	Presidential address by Dr. K V Narayanaswamy
09:20AM - 09:25AM	Introduction of Chief Guest by Dr. Nalinakshi N
09:25 AM– 10:00AM	Keynote Session by chief guest
10:00AM – 10:05AM	Vote of thanks –Prof. vasanthi
10:05AM – 10:10AM	Brief information of events

Master of Ceremony – Prof. Hemalatha K N

Schedule of the activities:

Sl.no	Date	Time	Activity
1	22-12-2020	10:30AM-12:00PM	Coding for Mathematics
2	22-12-2020	12:30PM-1:30PM	Tech Say
3	22-12-2020	1:30PM-3:00PM	Make a Math Model
4	22-12-2020	02:00 PM – 04:00 PM	Context Free Grammars & Simplification

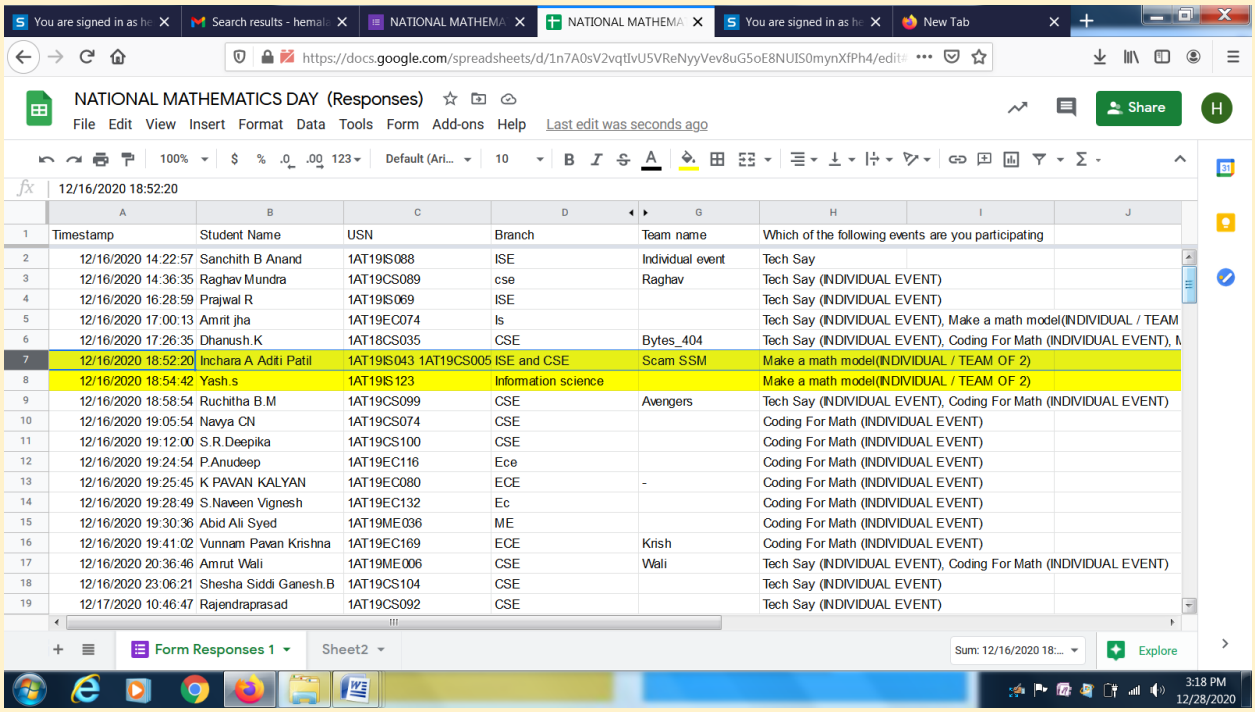
Activities Of the Day

1. Make a math Model

Participants: 7 Teams

Registration Form link: https://forms.gle/gj5bK5GevHLSfLPcA

Screen shot of registration:



NATIONAL MATHEMATICS DAY (Responses)

	Timestamp	Student Name	USN	Branch	Team name	Which of the following events are you participating
2	12/16/2020 14:22:57	Sanchith B Anand	1AT19IS088	ISE	Individual event	Tech Say
3	12/16/2020 14:36:35	Raghav Mundra	1AT19CS089	cse	Raghav	Tech Say (INDIVIDUAL EVENT)
4	12/16/2020 16:28:59	Prajwal R	1AT19IS069	ISE		Tech Say (INDIVIDUAL EVENT)
5	12/16/2020 17:00:13	Amrit jha	1AT19EC074	Is		Tech Say (INDIVIDUAL EVENT), Make a math model(INDIVIDUAL / TEAM
6	12/16/2020 17:26:35	Dhanush.K	1AT18CS035	CSE	Bytes_404	Tech Say (INDIVIDUAL EVENT), Coding For Math (INDIVIDUAL EVENT), M
7	12/16/2020 18:52:20	Inchara A Aditi Patil	1AT19IS043 1AT19CS005	ISE and CSE	Scam SSM	Make a math model(INDIVIDUAL / TEAM OF 2)
8	12/16/2020 18:54:42	Yash.s	1AT19IS123	Information science		Make a math model(INDIVIDUAL / TEAM OF 2)
9	12/16/2020 18:58:54	Ruchitha B.M	1AT19CS099	CSE	Avengers	Tech Say (INDIVIDUAL EVENT), Coding For Math (INDIVIDUAL EVENT)
10	12/16/2020 19:05:54	Navya CN	1AT19CS074	CSE		Coding For Math (INDIVIDUAL EVENT)
11	12/16/2020 19:12:00	S.R.Deepika	1AT19CS100	CSE		Coding For Math (INDIVIDUAL EVENT)
12	12/16/2020 19:24:54	P.Anudeep	1AT19EC116	Ece		Coding For Math (INDIVIDUAL EVENT)
13	12/16/2020 19:25:45	K PAVAN KALYAN	1AT19EC080	ECE	-	Coding For Math (INDIVIDUAL EVENT)
14	12/16/2020 19:28:49	S.Naveen Vignesh	1AT19EC132	Ec		Coding For Math (INDIVIDUAL EVENT)
15	12/16/2020 19:30:36	Abid Ali Syed	1AT19ME036	ME		Coding For Math (INDIVIDUAL EVENT)
16	12/16/2020 19:41:02	Vunnam Pavan Krishna	1AT19EC169	ECE	Krish	Coding For Math (INDIVIDUAL EVENT)
17	12/16/2020 20:36:46	Amrut Wali	1AT19ME006	CSE	Wali	Tech Say (INDIVIDUAL EVENT), Coding For Math (INDIVIDUAL EVENT)
18	12/16/2020 23:06:21	Shesha Siddi Ganesh.B	1AT19CS104	CSE		Tech Say (INDIVIDUAL EVENT)
19	12/17/2020 10:46:47	Rajendraprasad	1AT19CS092	CSE		Tech Say (INDIVIDUAL EVENT)

Student Co-ordinators: Sruthi Malla(2nd Year CSE)
Krithika jain (2nd Year CSE)

Judges: Dr. Nalinakshi N
Prof. chandini

Description:

Modeling with mathematics is the practice of making sense of the world through a mathematical perspective. This competition provides more opportunities to identify mathematical problems in the world, determine what information will help them solve a problem, develop mathematical models in an approachable way and revise their models to more closely predict real world phenomena.

Round1: All the participants will be asked with quiz questions and the participants with proper answer will be selected to next round

Round2: The organizers will provide required material to the participants (list of required components will be taken priory from participants)

Round3: All the participants will make a model which gives sense to mathematics

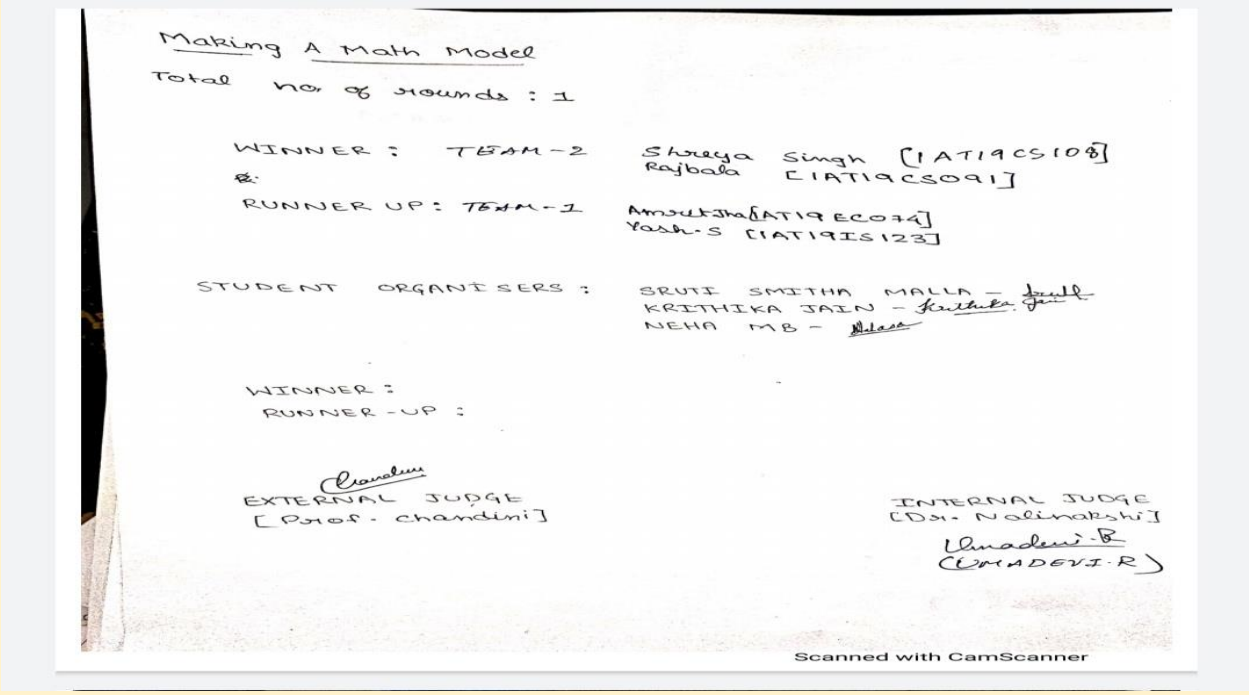
Round4: everyone will justify their mathematical model

Winner: Shreya Singh(1AT19CS108)
Rajbala(1AT19CS091)

Runner up: Amrit Jha(1AT19EC074)
Yash s (1AT19IS123)

Student Feedback link: https://forms.gle/piSwQh6wmt5qQhae7

Judgement Sheet:



Making A Math Model

Total no. of rounds : 1

WINNER : TEAM-2 Shreya Singh [1AT19CS108]
Rajbala [1AT19CS091]

RUNNER UP : TEAM-1 Anoushka [1AT19EC074]
Yash.S [1AT19IS123]

STUDENT ORGANISERS : SRUTI SMITHA MALLA –
KRITHIKA JAIN –
NEHA MB –

WINNER :
RUNNER-UP :

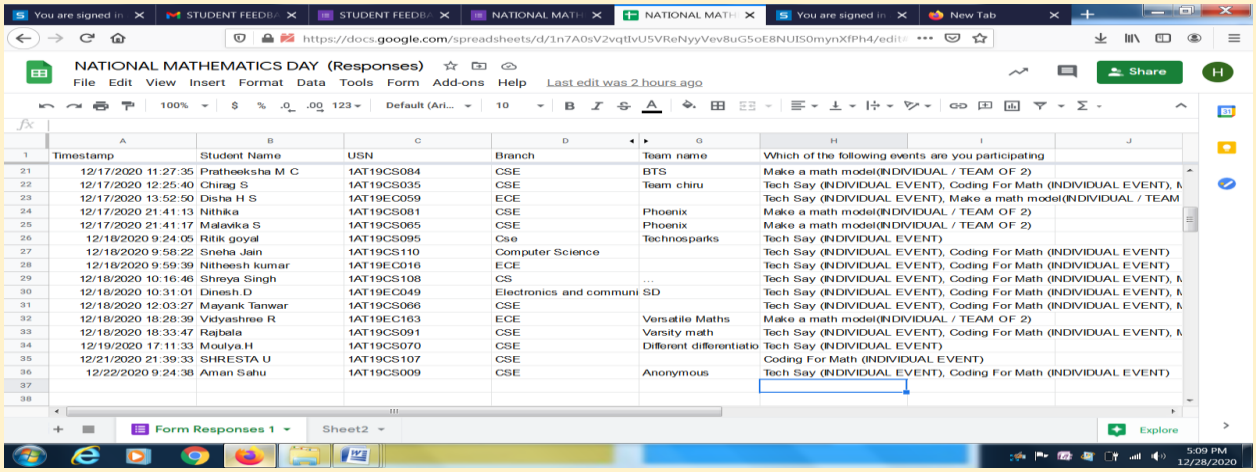
EXTERNAL JUDGE
[Prof. Chandini]

INTERNAL JUDGE
[Dr. Nalinakshi]
Umadevi.R
(UMADEVI.R)

Scanned with CamScanner

2. **Tech-say**
   Participants:21
   Registration Form link: https://forms.gle/gj5bK5GevHLSfLPcA

   Screenshot of registration:



NATIONAL MATHEMATICS DAY (Responses)

Timestamp	Student Name	USN	Branch	Team name	Which of the following events are you participating
12/17/2020 11:27:35	Pratheeksha M C	1AT19CS084	CSE	BTS	Make a math model(INDIVIDUAL / TEAM OF 2)
12/17/2020 12:25:40	Chirag S	1AT19CS035	CSE	Team chiru	Tech Say (INDIVIDUAL EVENT), Coding For Math (INDIVIDUAL EVENT), M
12/17/2020 13:52:50	Disha H S	1AT19EC059	ECE		Tech Say (INDIVIDUAL EVENT), Make a math model(INDIVIDUAL / TEAM
12/17/2020 21:41:13	Nithika	1AT19CS081	CSE	Phoenix	Make a math model(INDIVIDUAL / TEAM OF 2)
12/17/2020 21:41:17	Malavika S	1AT19CS065	CSE	Phoenix	Make a math model(INDIVIDUAL / TEAM OF 2)
12/18/2020 9:24:05	Ritik goyal	1AT19CS095	Cse	Technosparks	Tech Say (INDIVIDUAL EVENT)
12/18/2020 9:58:22	Sneha Jain	1AT19CS110	Computer Science		Tech Say (INDIVIDUAL EVENT), Coding For Math (INDIVIDUAL EVENT)
12/18/2020 9:59:39	Nitheesh kumar	1AT19EC016	ECE		Tech Say (INDIVIDUAL EVENT), Coding For Math (INDIVIDUAL EVENT)
12/18/2020 10:16:46	Shreya Singh	1AT19CS108	CS		Tech Say (INDIVIDUAL EVENT), Coding For Math (INDIVIDUAL EVENT), M
12/18/2020 10:31:01	Dinesh.D	1AT19EC049	Electronics and communi	SD	Tech Say (INDIVIDUAL EVENT), Coding For Math (INDIVIDUAL EVENT), M
12/18/2020 12:03:27	Mayank Tanwar	1AT19CS066	CSE		Tech Say (INDIVIDUAL EVENT), Coding For Math (INDIVIDUAL EVENT), M
12/18/2020 18:28:39	Vidyashree R	1AT19EC163	ECE	Versatile Maths	Make a math model(INDIVIDUAL / TEAM OF 2)
12/18/2020 18:33:47	Rajbala	1AT19CS091	CSE	Varsity math	Tech Say (INDIVIDUAL EVENT), Coding For Math (INDIVIDUAL EVENT), M
12/19/2020 17:11:33	Moulya.H	1AT19CS070	CSE	Different differentiatio	Tech Say (INDIVIDUAL EVENT)
12/21/2020 21:39:33	SHRESTA U	1AT19CS107	CSE		Coding For Math (INDIVIDUAL EVENT)
12/22/2020 9:24:38	Aman Sahu	1AT19CS009	CSE	Anonymous	Tech Say (INDIVIDUAL EVENT), Coding For Math (INDIVIDUAL EVENT)

Student Co-ordinators: Nikiha Ashok(2nd Year CSE)
Chethas Srinivas (2nd Year CSE)

Judges: Dr. Arun Balodi
Prof. Pallavi T P

Description:

Students are intended to speak about tricky topics of mathematics for **5 minutes** with presentation. Following are the few selected topics:

1) Importance of Infinity
2) Why 1729 is a magic number?

Winner: Amrit S Wali (1AT19CS108)

Runner up: Sanchith B Anand (1AT19IS129)

Student Feedback link: https://forms.gle/piSwQh6wmt5qQhae7

Screenshot of Judgement Sheet:

Tech Say

TWO ROUNDS:

Round 1 : Presentation & Talk
Round 2 : Impromtu Round

WINNER : AMRUT S WALI

RUNNER UP : SANCHITH B ANAND

STUDENT CO-ORDINATORS: RUCHITA RAVINDRANATH
NIKITHA ASHOK -
CHETAS . A . SRINIVAS -

EXTERNAL JUDGE
[Dr. Arun Balodi]

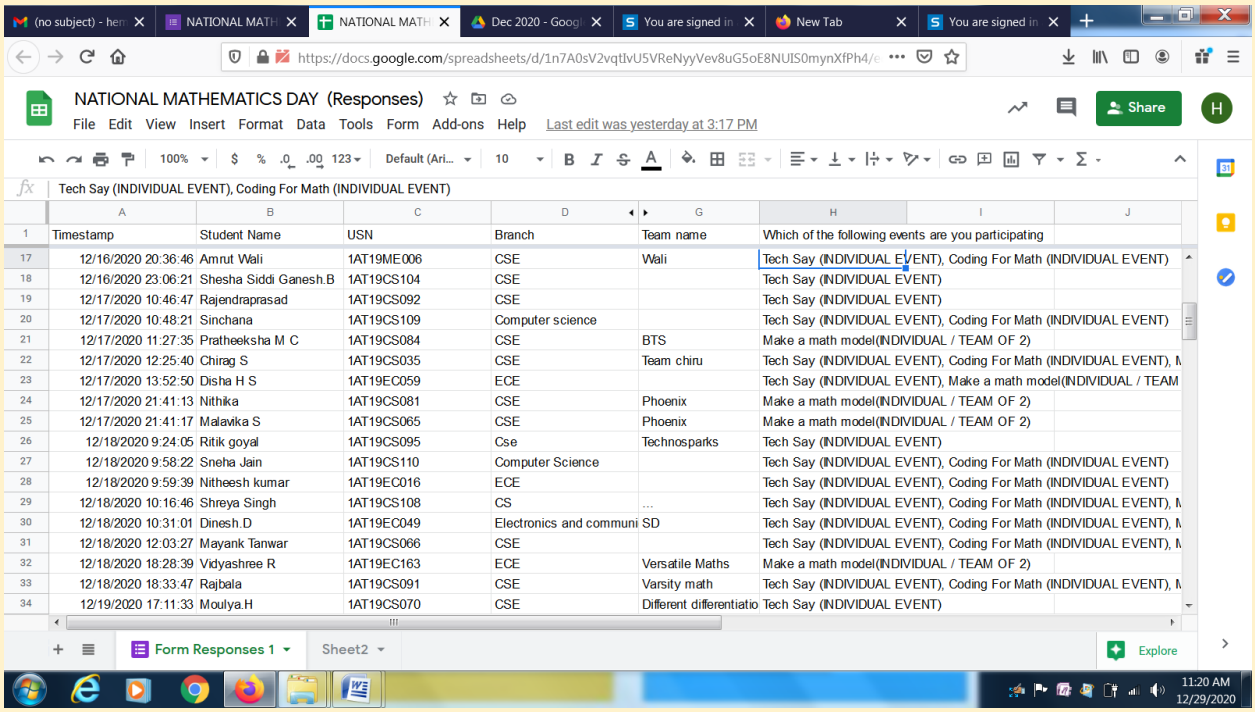
INTERNAL JUDGE
[Prof. Pallavi TP]

3. Code for Mathematics:

Participants:15

Registration Form link: https://forms.gle/gj5bK5GevHLSfLPcA

Screenshot of Registration:



NATIONAL MATHEMATICS DAY (Responses)

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Tech Say (INDIVIDUAL EVENT), Coding For Math (INDIVIDUAL EVENT)

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20	12/17/2020 10:48:21	Sinchana	1AT19CS109	Computer science		Tech Say (INDIVIDUAL EVENT), Coding For Math (INDIVIDUAL EVENT)
21	12/17/2020 11:27:35	Pratheeksha M C	1AT19CS084	CSE	BTS	Make a math model(INDIVIDUAL / TEAM OF 2)
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24	12/17/2020 21:41:13	Nithika	1AT19CS081	CSE	Phoenix	Make a math model(INDIVIDUAL / TEAM OF 2)
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26	12/18/2020 9:24:05	Ritik goyal	1AT19CS095	Cse	Technosparks	Tech Say (INDIVIDUAL EVENT)
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31	12/18/2020 12:03:27	Mayank Tanwar	1AT19CS066	CSE		Tech Say (INDIVIDUAL EVENT), Coding For Math (INDIVIDUAL EVENT), M
32	12/18/2020 18:28:39	Vidyashree R	1AT19EC163	ECE	Versatile Maths	Make a math model(INDIVIDUAL / TEAM OF 2)
33	12/18/2020 18:33:47	Rajbala	1AT19CS091	CSE	Varsity math	Tech Say (INDIVIDUAL EVENT), Coding For Math (INDIVIDUAL EVENT), M
34	12/19/2020 17:11:33	Moulya.H	1AT19CS070	CSE	Different differentiatio	Tech Say (INDIVIDUAL EVENT)

Form Responses 1 Sheet2 Explore

11:20 AM 12/29/2020

Student Co-ordinators: M N Shreyas(2nd Year CSE)
Vincent Paul Fernandes(2nd Year CSE)

Judges: Dr. Aishwarya P
Prof. Vijay Swaroop

Description:

The competition will provide an opportunity for Students to explore the mathematical solutions through C programming.

In this competition, participant students will realize any mathematical expression , ease any complex mathematical problem or beautify the mathematical expression with an easy logic through C coding.

The winners will be selected based on:

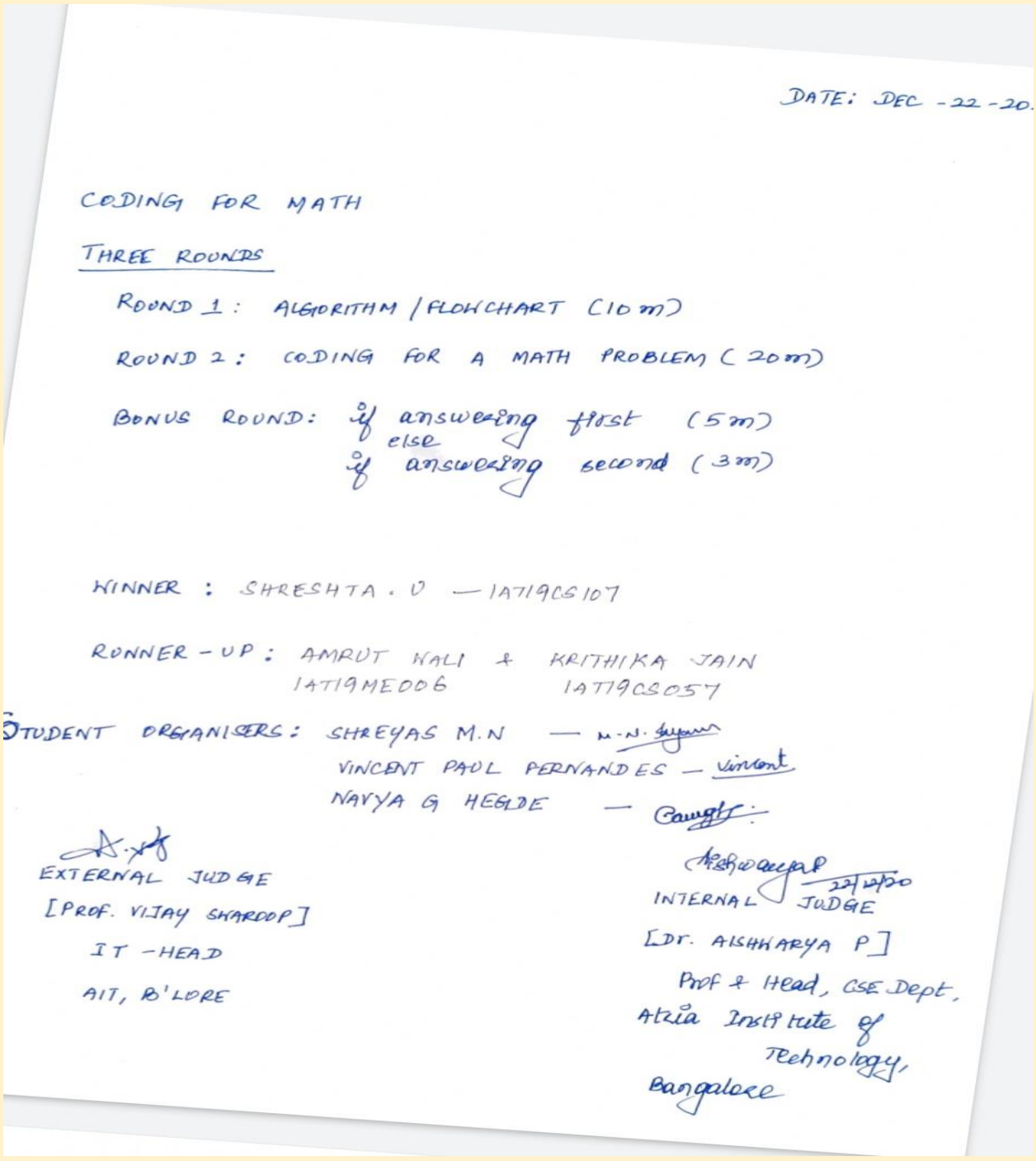
- Complexity in their problem
- Ease in solving their mathematical problem
- Algorithm
- Flow chart
- Input –output relationship

Winner: Shreshta U (1AT19CS107)

Runner up: Nikitha Jain (1AT19CS102)

Student Feedback link: https://forms.gle/piSwQh6wmt5qQhae7

Screenshot of Judgement Sheet:



DATE: DEC - 22 - 20.

CODING FOR MATH

THREE ROUNDS

ROUND 1: ALGORITHM / FLOWCHART (10 m)

ROUND 2: CODING FOR A MATH PROBLEM (20 m)

BONUS ROUND: if answering first (5 m)
else
if answering second (3 m)

WINNER : SHRESHTA . V — 1AT19CS107

RUNNER - UP : AMRUT KALI & KRITHIKA JAIN
1AT19ME006 1AT19CS057

STUDENT ORGANISERS: SHREYAS M.N — M.N. Shreyas
VINCENT PAUL FERNANDES — Vincent
NAVYA G HEGDE — Navya G

EXTERNAL JUDGE
[PROF. VIJAY SHARDOOP]
IT - HEAD
AIT, B'LORE

INTERNAL JUDGE 22/12/20
[Dr. AISHWARYA P]
Prof & Head, CSE Dept,
Atria Institute of Technology,
Bangalore

4. Webinar on “Mathematical models of abstract computing machines” Context Free Grammars & simplification

Invitation:

ATRIA INSTITUTE OF TECHNOLOGY

Rajendra M <rajendra.m@atria.edu>

Request for Webinar on "DBMS || Automata Theory".

Rajendra M <rajendra.m@atria.edu> Fri, Dec 18, 2020 at 10:49 AM
To: anithasandeep@rvce.edu.in
Cc: Aishwarya P <csehod@atria.edu>

Dear Madam
Greetings from Atria.I.T
I would like to introduce myself as **Rajendra M** working as Asst.Professor in the Department of Computer Science & Engineering, Atria Institute of Technology. Department of CS&E has a strength of **400 students**,**24 faculty** and is associated with **KSRSAC,VALUE Labs,KSCST** and Received grants from VGST,DST and Established labs in **RPA-BOT Lab-Automation Anywhere** ,**CISCO Networking Lab.**

We came across your profile through **Dr. Ram Mohan Babu Sir** and impressed with the ongoing achievements that you are pursuing and on behalf of Atria I request you to deliver a session on **"DBMS or Automata Theory "** to the students based on your availability. We would be grateful if you accept our request .

kindly oblige,

Looking forward to your favourable response

--
Thanks & Regards
Rajendra M

Assistant Professor

Coordinator- eLearning

Dept. of CS&E.,Atria.I.T

9036863378

Poster:

Resource person Details: **Mrs Anitha Sandeep**

Assistant Professor
R V College of Engineering

Mrs. Anitha Sandeep received BE in Computer Science & Engineering from SJMIT Chitradurga,Karnataka,India and M.Tech in Computer Science & Engineering from MSRIT Bangalore Karnataka

She is Currently working as a Assistant Professor in Computer Science & Engineering In RV College of Engineering,Bangalore

Her Interests are Game Theory ,Fuzzy Logic,Fuzzy Graphs,Theorotical Computer Science ,She has published around 15 papers in International Journals and Conferences.she has 19 years of teaching expereinces

Webinar is focused on Automata theory concepts revolving around the mathatical models of abstract computing machines in which the cfg was mainly focused on

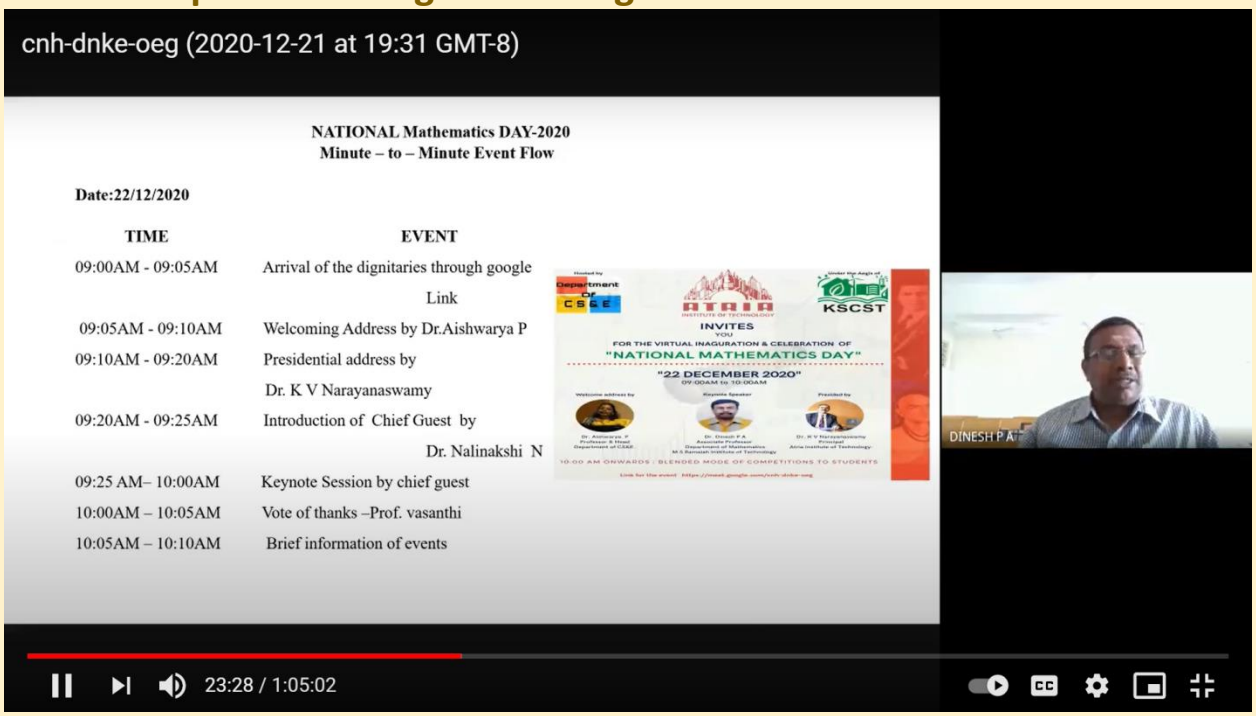
Summary Of webinar:

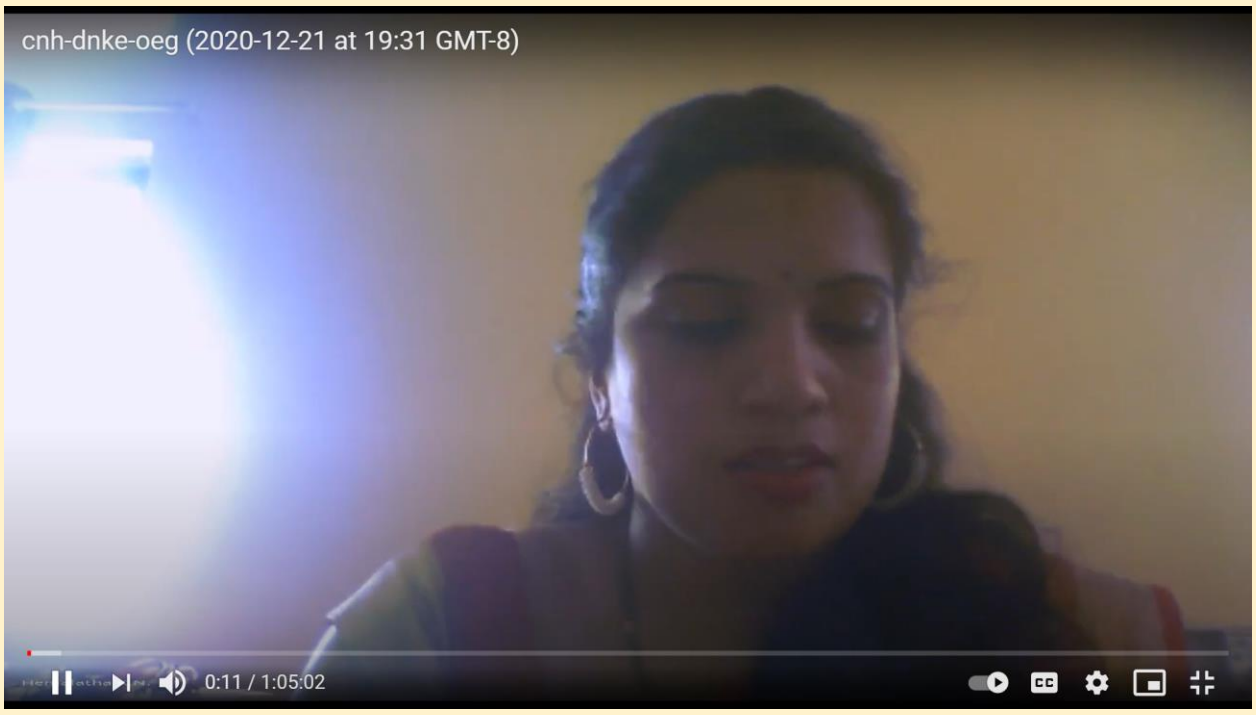
- Context-free grammars arise in linguistics where they are used to describe the structure of sentences and words in a natural language, and they were in fact invented by the linguist Noam Chomsky for this purpose.
- By contrast, in computer science, as the use of recursively-defined concepts increased, they were used more and more.
- In an early application, grammars are used to describe the structure of programming languages. In a newer application, they are used in an essential part of the Extensible Markup Language (XML) called the Document Type Definition.

Program Outcomes –

- Enhancing the top models to the next level of improvement which gives the confidence for students to compete with National level Competitions
- Smaller projects have to be fused into Swam project which strengthens the quality of their project
- Planning to conduct such kinds of hands on sessions to first year students

Pictures captured during the Innaugural function:





Pictures during the activites:

PROJECTS

ESSENCE OF MATHEMATICS

Pictures captured during the interaction with students by our chief guest Prof. Dinesh P

……THANK YOU ALL……..