

GEETHANJALI COLLEGE OF ENGINEERING & TECHNOLOGY**(AUTONOMOUS)****CHEERYAL (V), KEESARA (M), MEDCHAL DIST. - 501 301**

(Affiliated to JNTUH, Approved by AICTE, NEW DELHI, Accredited by NBA)

MATHEMATICS CLUB**Activities conducted during the academic year 2022-23**

S. No.	Name of the Event	Resource Person/Guest if any	Date(s)	No. of Participants
1	Industrial visit to National Fuel Complex(NFC)	-	19-7-2022	50
2	First National Student Symposium on the Approaches of Mathematical Sciences to the Emerging Technologies	Group Captain Y. Srinivas	31-7-2022	304
3	Guest Lecture on “Dimensionality Reduction Techniques – Classification and Clustering”	Dr. N. Ch. Bhatra Charyulu, Department of Statistics, Osmania University, Hyderabad	06-11-2022	257
4	Guest Lecture on “Kernel Methods”	Dr. N. Ch. Bhatra Charyulu, Department of Statistics, Osmania University, Hyderabad	20-11-2022	156
5	Guest Lecture on “Universal Human Values”	Swami Bhodhmayananda Ji, Rama Krishna Math, Hyderabad	24-11-2022	221
6	Quiz – “Smarticus-2022”	-	20-12-2022	347
7	Guest Lecture on “Probabilistic Classifier: A Bayesian Approach for Business Analysts to Predict Customer Behaviour”	Dr. Y. V. K. Ravi Kumar Associate Professor Department of Computer Science and Information Systems BITS Pilani, Hyderabad.	10-02-2023	263

8	SUDOKU competition	-	10-02-2023	197
9	Peer learning session on “Graphic Designing”	Mr. Dharavath Rounith, B. Tech III year, CSE, Geethanjali College of Engineering and Technology	25-02-2023	70
10	ALPHAMATICA-2023(Mathematica-2023)	Dr. Dipanjan Chakraborty, Assistant Professor, Department of Computer Science, BITS Hyderabad	03-04-2023	350
11	Value Added Course on “WEB DEVELOPMENT”	Mr. Ganesh Nag, Founder and CEO, BrainOVision Solution, India Private Limited	10-05-2023 to 15-05-2023	166
12	Three-day Workshop on Document Preparation using LaTeX	Dr. N. Ravi Shankar, Professor, CSE, GCET	26-06-2023 to 28-06-2023	25
13	Industrial Visit to Akshayapatra Foundation, Narsingi, Hyderabad	-	28-06-2023	80
14	Poster Presentation Competition on “Principles of Mathematical Modelling”	-	29-06-2023	06

Industrial Visit

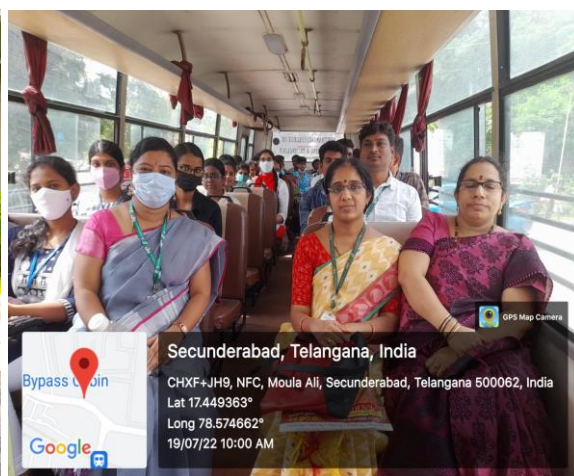
On Tuesday 19th July, Mathematics Club and Centre for Soft Skills Development organized an Industrial Visit to National Fuel Complex (NFC), a nuclear fuel plant located in Moula Ali, Hyderabad.

Firstly, the students were taken to a hall within the complex, where Mr. Vasudeva Rao, SO/E, HRDD, explained about the basics of energy, such as the types of energy, classification of energy. Sir also introduced the concept of nuclear energy and its importance and showed various materials and equipments used in making nuclear fuel.

After lunch, students went to Meltshop, a factory floor where long bars of zirconium alloy are prepared for use in various processes in nuclear fuel plants across the country. Through this demonstration, they were able to comprehend an integral part of the process of making nuclear energy.

Amidst growing concerns over the depletion of fossil fuels and increase in carbon emissions in the atmosphere, the need for an alternate fuel source which can provide mass energy while mitigating the effect on the environment, has become all too clear. On this trip, the students were provided clear introduction to nuclear fuel and its use as a viable energy source.

Being the next generation of the country, it is very important for students to show interest in this field and provide more innovations to adopt this sustainable, renewable source of energy as a means of powering the land. 50 students participated actively.



First National Student Symposium

Mathematics Club, Freshman Engineering Department organized “**First National Student Symposium on the Approaches of Mathematical Sciences to the Emerging Technologies**” on 31st July, 2022 through virtual mode from 9:30 am to 3:00 pm for UG and PG students.

The Inaugural was started at 9:30 am. Dr V.S.Triveni ,Coordinator of the event, welcomed and greeted the dignitaries and participants. Dr. G.Neeraja Rani, HoD, Freshman Engineering Department address the gathering about the symposium in brief. Dr. Udaya Kumar Susarla, Principal of the college addressed the gathering about the influence of technology and rapid changes in the society. Sri. G.R. Ravinder Reddy, Secretary of the college, gave a speech and appreciated the participants to take part in the event. The chief guest, Group Captain Y Srinivas, addressed the gathering and motivated students with his valuable speech regarding the applications of Mathematics in various fields with real life examples. The Inaugural ceremony was concluded 10.20 am by Dr N.Subhadra, coordinator of the event, with vote of thanks.

Students presented their Posters and Paper Presentations in various areas like: Probability and Statistics, Ordinary and Partial Differential Equations, Image Processing, Cyber Security, Fuzzy Logic, Machine Learning, Matrices, Data Analysis and Deep Learning from 10.30 am to 12.30 pm and received an overwhelming response from participants. A huge campaign was done through online and received good number of registrations received. Total 125 teams with each team consisting of maximum 3 participants registered for this event, 112 teams (304 students), submitted their abstracts for Paper/Poster Presentations. These teams were divided into 10 tracks. Each track was monitored by an External Judge and an Internal Judge along with Incharge Faculty. Each team was given 8 minutes for Paper Presentation, 6 minutes for Poster Presentation and 2 minutes for QA session and suggestions by the judges.

External Judges are:

1. Dr.M.A.Srinivas, Professor, JNTUH
2. Dr.Satya Prakash Singh, Assistant Professor, IIT KANPUR
3. Dr.K. Barathi, Professor, SV University,Tirupathi
4. Dr.N.Ch.Bhatra Charyulu, Professor, UCS-OU
5. Dr.M. Raghavender Sharma, Professor, UCS-OU
6. Dr.Jayasree, Professor, UCS-OU
7. Dr.G.Sirisha, Assistant Professor, UCS-OU
8. Dr.B.G.Manjunath, Associate Professor, HCU
9. Dr. Govind Rajput, Assistant Professor, Head, S& H, Mukesh Patel School of Technology Management & Engineering,Shirpur Campus.
10. Dr. Venkateswarlu, Assistant Professor, CVSR

Internal Judges are:

1. Dr.J.Shankar, Professor, FE department, GCET
2. Dr.B. Nagamani, Professor, FE department, GCET
3. Dr.Raju Panthagani, Associate Professor, FE department, GCET
4. Dr. M.Kanaka Durga, Associate Professor, FE department, GCET
5. Dr.V.Sudarshan, Associate Professor, FE department, GCET
6. Dr.B.Mamatha, Associate Professor, FE department, GCET
7. Dr.P. Sreedhar, Associate Professor, FE department, GCET
8. Dr. A. Anil Kumar, Assistant Professor, FE department, GCET
9. Dr. K. Santosh Kumar, Assistant Professor, FE department, GCET
10. Mrs. V. Manjula, Assistant Professor, FE department, GCET

The Judges appreciated the efforts of students in the preparation of their Presentations in Applications of Mathematics in various fields and at the same time they congratulated and appreciated the organizing team for conducting this kind of event. They have given valuable suggestions and advised students to extend their work to Real Life situations in their respective fields.

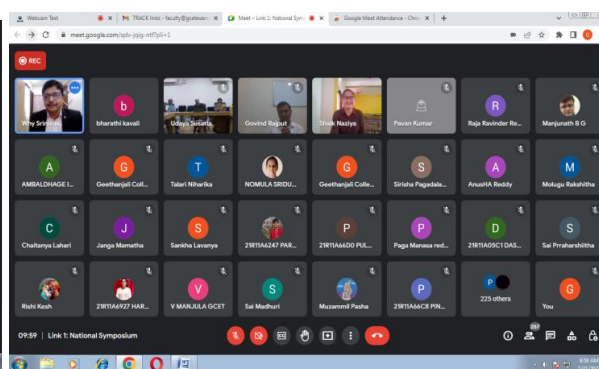
Valedictory session was conducted in the afternoon at 2.00 pm, winners were announced, participants expressed their happiness and thanked the organizers for conducting this kind of symposium exclusively for students.

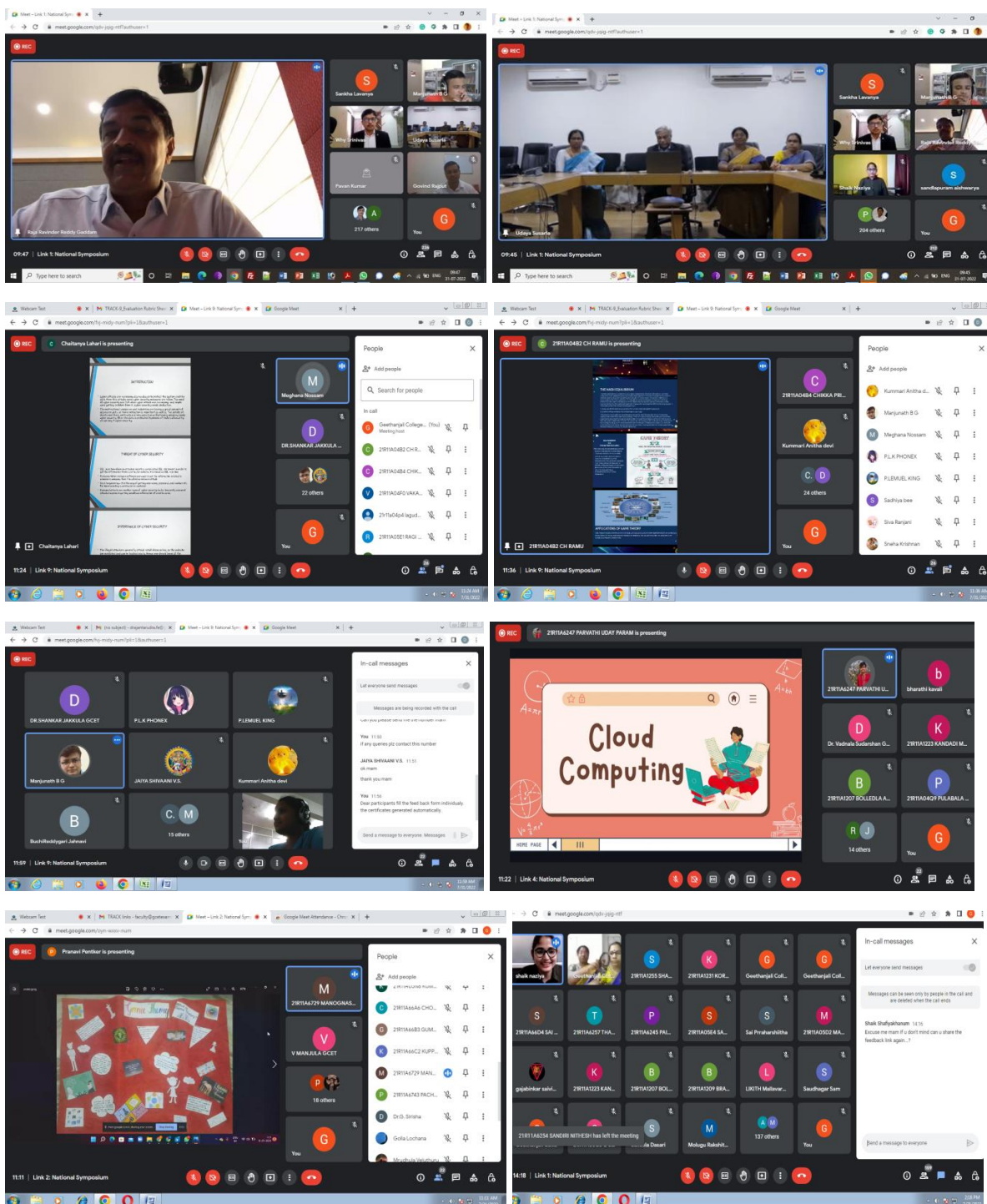
The winners were awarded with Merit Certificate along with Prize Money and Participation Certificates were provided to the participants.

All students of each and every team have participated with enthusiasm and expressed their gratitude to the Organizing Committee for conducting such event. Feedback forms were collected by providing google form link.

Winners List:

S. No	Name	College	Paper/P oster	Mail ID	Prize
1	Shaik papasaheb Naziya	Ashoka women's engineering college kurnool	Paper	naziyaishaik716@gmail.com	I
2	Bolledla Abhinaya Reddy	GCET	Paper	21r11a1207@gcet.edu.in	II
	Manasa kandadi			21r11a1223@gcet.edu.in	
	B Lasya Sree			21r11a1209@gcet.edu.in	
3	Mandadi Harshitha Reddy	GCET	Paper	21r11a05d2@gcet.edu.in	III
	Sakshi Chandesurye			21r11a05e4@gcet.edu.in	
4	Saivinuthna Gajabinkar	Matrusri Engineering college	Paper	saivinuthnagajabinkar11@gmail.com	III
	Gurram Geethika			geethikageethika226@gmail.com	
	Gajavalli Sai Praharshitha			praharshitha031@gmail.com	
5	Paila Vigneshwari Siri	GCET	Poster	21r11a6245@gcet.edu.in	I
	Amulya Thakur			21r11a6257@gcet.edu.in	
6	Sai Keerthana Sandhiri	GCET	Poster	21r11a66d4@gcet.edu.in	II
	S.Sreelekha			21r11a66d3@gcet.edu.in	
	Nitya			21r11a66c6@gcet.edu.in	
7	K.Hemanth Naik	GCET	Poster	21r11a1231@gcet.edu.in	II
	Shashank Naikal			21r11a1255@gcet.edu.in	
	Kedarichetty Sai Prem			21r11a1228@gcet.edu.in	





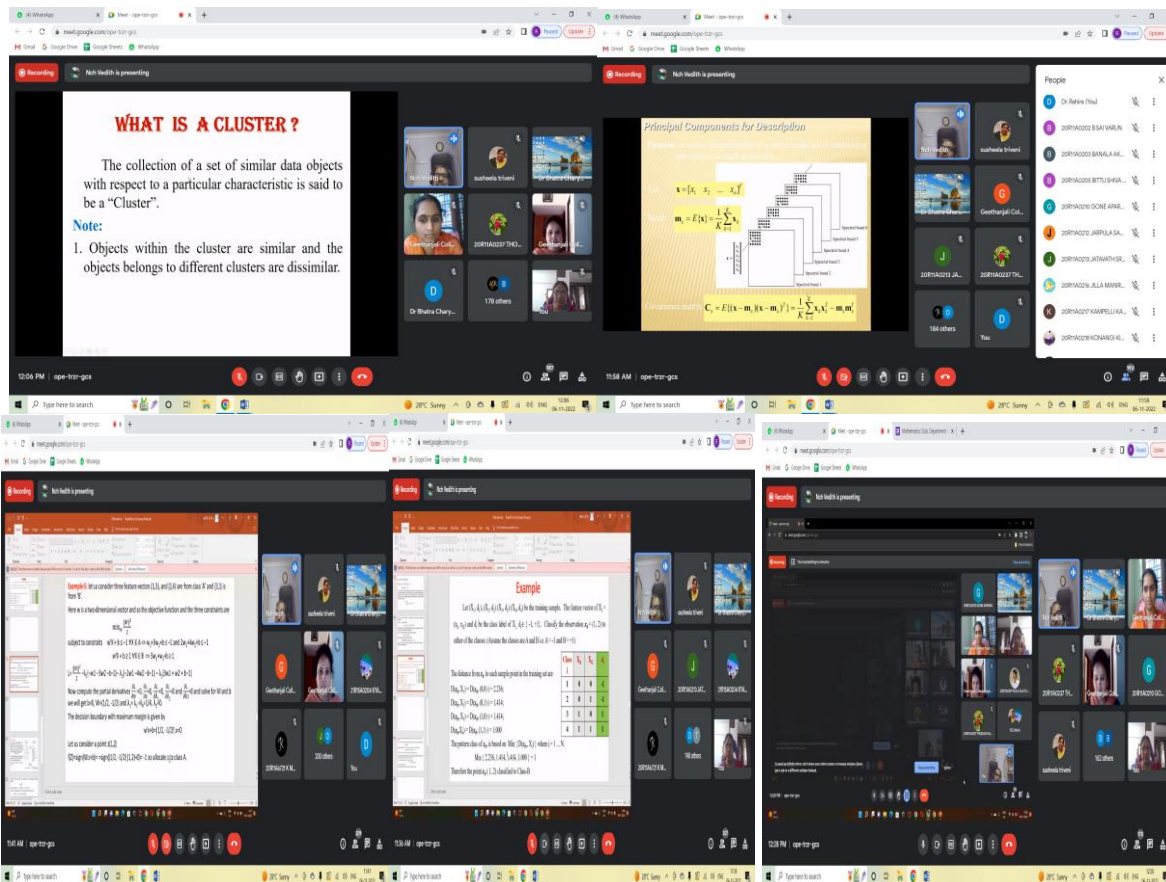
Guest Lecture

An online Guest Lecture on “**Dimensionality Reduction Techniques – Classification and Clustering**” by “**Dr. N. Ch. Bhatra Charyulu**”, Department of Statistics, Osmania University, Hyderabad, was organized by Mathematics Club of Freshman Engineering Department, Geethanjali College of Engineering and Technology, Cheeryal (V), Keesara (M), Hyderabad, Google Meet on 06.11.2022. Session began at 10.00 am and the speaker was welcomed by Dr T. Deepthi, Associate Professor of Mathematics.

Dr. N. Ch. Bhatra Charyulu started the session on Classification. He explained about classification techniques such as Least square classification and Nearest neighbourhood classification. He enlightened on Support Vector Machine (SVM) as it is one of the most popular Supervised Machine Learning Algorithm, which is used for classification and as well as regression problems.

He discussed Principal Component Analysis (PCA) which is used for reducing the dimensionality of a data set and also explained K- means technique for data clustering that may be used for Unsupervised

Machine Learning. After his lecture the students were given time to interact with him. Students felt that the session was informative and requested to have one more session on Kernels. Session ended at 12.15 pm. 257 students attended the session. Students learnt the applications of clustering in market research, data analysis and image processing which were explained by Dr. Bhatra Charyulu.



The lecture focussed on classification techniques, how the data will be classified and analysed. This Session created a platform for exchanging the ideas and shared the knowledge on current challenges and issues in the real world in the emerging area of Mathematics and Statistics for Machine learning.

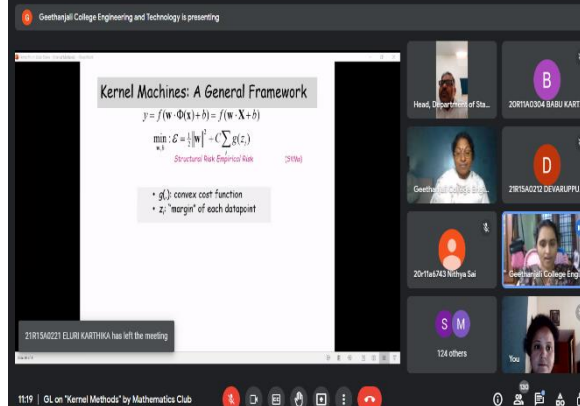
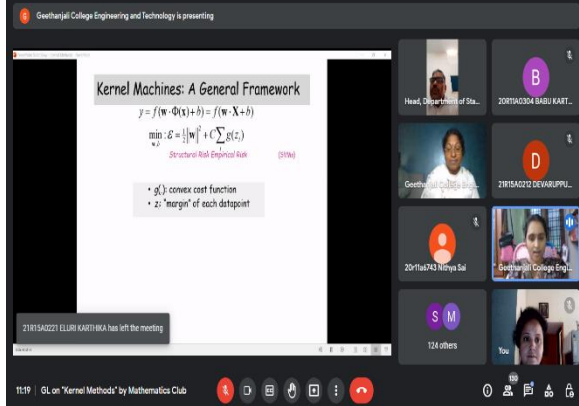
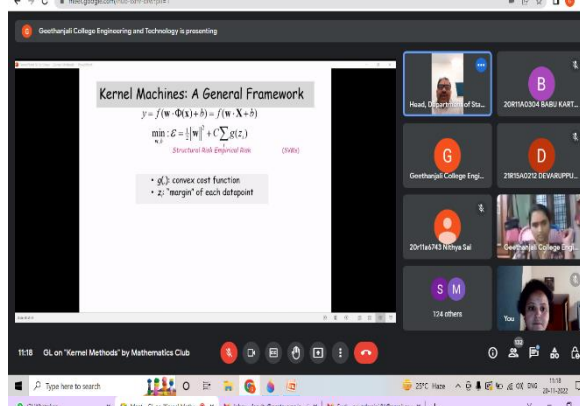
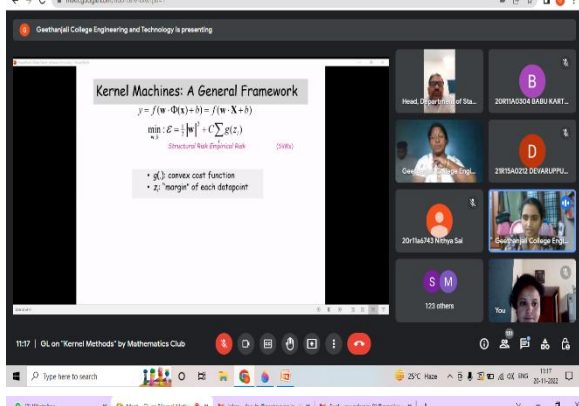
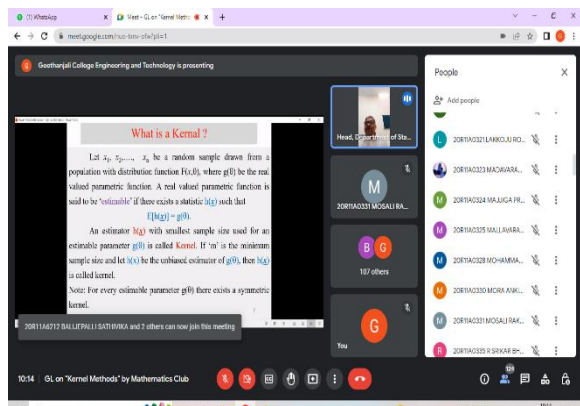
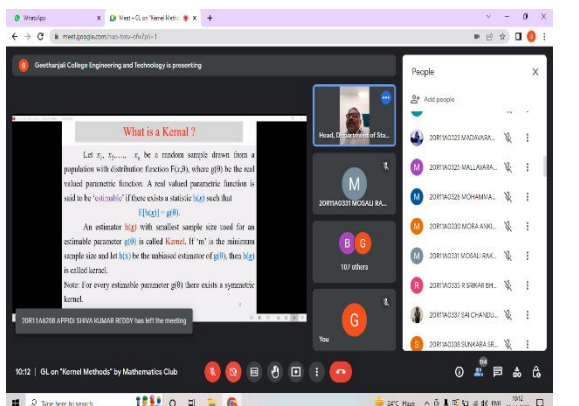
Guest Lecture

An online Guest Lecture on “Kernel Methods” by “**Dr. N. Ch. Bhatra Charyulu**”, Department of Statistics, Osmania University, Hyderabad, was organized by Mathematics Club of Freshman Engineering Department, Geethanjali College of Engineering and Technology, Cheeryal (V), Keesara (M), Hyderabad through Google Meet on 20.11.2022. The session began at 10.00 am.

Dr. N. Ch. Bhatra Charyulu sir started his session with the definition of Kernel. He explained Kernel function and how the kernel trick plays a role in Linear and Non-linear models for classifying the data. These kernels are used to transform linearly inseparable data into linearly separable data. He discussed Mercers theorem statement in which every semi-positive definite symmetric function is a kernel and also explained how the radial basis function is used in Kernel Support Vector Machines to solve Regression and Classification problems.

After his lecture the students were given time to interact with him. Students felt that the session was informative and interesting.

Session ended at 12.00 pm. 156 students participated. Students learnt the applications of kernels and how these are useful to solve a nonlinear problem, as explained by Dr. Bhatra Charyulu.



The lecture focussed on how and why kernels are necessary to transform linearly inseparable data to linearly separable data. This session created a platform for exchanging the ideas and share the knowledge on current challenges and issues in the real-world applications.

Guest Lecture

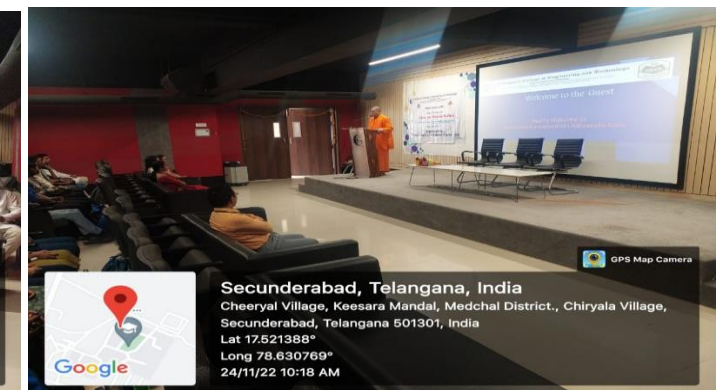
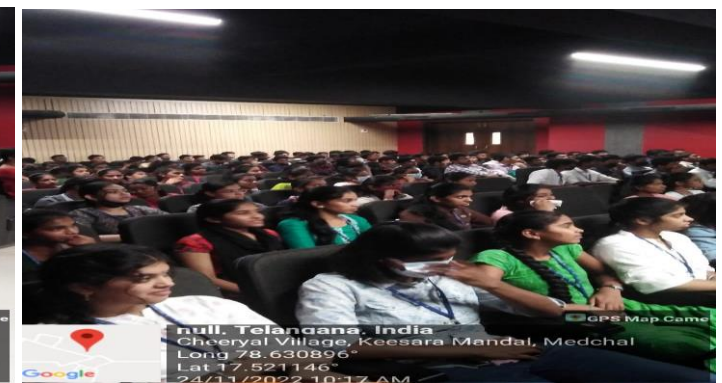
A guest lecture titled “**Universal Human Values**” was organized on 24th November, 2022 by Mathematics club of FE department. Eminent speaker **Swami Bhodhmayananda Ji**, Rama Krishna Math, Hyderabad, delivered the guest lecture.

Swami Ji started the session with the introduction to Human values, Human Being is more than just the Body. He also explained that it plays an important role in the life of human at various stages including education and career. When a child enters in school, her/his behaviour depends on the home culture that is family circle. In primary and secondary school life, there is major influence of friends and teachers on her/his behaviour that is the school circle. When she/he enters the college or professional course, the social circle plays an important role which has a dominant impact on humanity and moral capabilities. The overall personality of individual depends on those circles. He also discussed how the students move towards good behaviour or aggression and misbehaviour. He also explained the five universal Human

Values of Love, Truth, Right Conduct, Peace and Non-violence encompass all the noble values, have endless depth and breadth in their beauty, purity and power, and lie within every human being in full measure, largely hidden from conscious awareness like diamonds inside a mountain.

221 students from CSE-D, ECE-A, CSE-AIML-A, CSE-CS/IoT and CSE-DS-C, branches attended the session from 9.45 am to 11.30 am.

The feedback forms were also collected from the students who attended the guest lecture.



Quiz

In Commemoration of **Ramanujan's Birthday**, Mathematics Club of Freshman Engineering Department conducted a quiz competition "**Smarticus-2022**" for B.Tech. and MBA students on **20-12-2022, at 2.50 pm, in Seminar Hall Block-IV.**

Quiz competitions are always interesting and informative, which provide excitement among the students. The main objective of this event is to bring awareness on Logical reasoning, Puzzles and Aptitude problems among students as it helps them to develop critical thinking and Problem solving in a meaningful way. Mathematical logic helps in formalizing precise facts and correct reasoning, Managing Time, Budgeting etc.

Students actively showed enthusiasm to register in Quiz competition, 347 Students across all branches participated in the Quiz. Overall the event was conducted successfully.

Prize winners received appreciation certificates.

Winners List

Name	Roll no.	Branch and section	Prize
K.Rohith	22R11A0423	ECE-A	I
G.Aarush Raj	22R11A6613	AIML-A	I
A.Venkat Akhil Naidu	22R11A05U8	CSE-G	III





Guest Lecture

A Guest Lecture on “Probabilistic Classifier: A Bayesian Approach for Business Analysts to Predict Customer Behavior” was organized by Mathematics Club of Freshman Engineering Department, Geethanjali College of Engineering and Technology, Cheeriyal (V), Keesara (M), Hyderabad on 10.02.2023. The session began at 1.00 PM., the credentials of the speaker **Dr. Y. V. K. Ravi Kumar**, Associate Professor, Department of Computer Science and Information Systems, BITS Pilani, Hyderabad, was introduced by Dr T Deepthi.

Dr. Y.V.K. Ravi Kumar started his session with the basics of Probability and Conditional Probability concepts. He explained Probabilistic Classifier that predicts on the basis of probability of an object. He extended the session to Bayes theorem and its applications with a case study in railway reservation systems and also explained the Naïve Bayes classifier which is a Supervised Machine Learning Algorithm and is based on Bayes theorem which is used for solving classification problems. Naïve Bayes is one of the fast and easy ML algorithm to predict a class of data sets and it is most popular choice for text classification problems.

After his lecture the students were given time to interact with him. Students felt that the session was informative and interesting.

Session ended at 3.00 PM. with vote of thanks. 263 students participated actively.

Students gained the knowledge on applications of Probability and Naïve Bayes classifier in Machine learning to predict and classify the datasets, as explained by Dr. Y.V.K. Ravi Kumar.





The lecture was focussed on how and why Probability classifiers are necessary to predict and classify the data. The Session created a platform for exchanging the ideas and share the knowledge on current challenges and issues in the real-world applications.

Sudoku Competition

Mathematics Club has organized SUDOKU Competition for all B.Tech students on 10-02-2023. 197 students participated for the competition which was conducted in Seminar hall Block IV.

Winners List

S. No.	Roll No.	Name of the student	Branch	Prize
1	22R11A05T5	S. NEELIMA	CSE-F	I
2	22R11A6768	M.HANSITHA REDDY_	DS-B	II
3	22R11A67B9	R. ANIKETH RATHOD	DS-C	III

Winners will get certificates. Students participated enthusiastically and all the faculty members cooperated for the smooth run of the competition.

Peer learning session

A peer learning session on “**Graphic designing**” was organized by Mathematics Club of Freshman Engineering Department through Online Google Meet Platform

“<https://drive.google.com/drive/folders/10rb9zJKoP4nNZoE-IFd6JvOtr3eKNWE>”

on 25.02.2023 for B. Tech I year and it was presented by **Mr. Dharavath Rounith, B. Tech III year, CSE**, Geethanjali College of Engineering and Technology. Mr. Dharavath Rounith started the session with introduction of graphic designing and the requirements of graphic designing and its applications. He explained about the tool Canva having various templates to create different designs in posters, banners, certificates etc. He has also created a website by using canva application and also explained about the animation through svgtator website. At the end of the session, he conducted a small task on designing a page by using canva application. Winners were given merit certificates.

70 students attended the session through online from 10.00 am to 11.30 am. Online Feedback forms were collected from the students. Students felt very happy and expressed that the session was very interactive and informative.

Winners List

Name of the Student	Roll number	Year, Branch and Section	Prize
SHARANYA CHAKRABARTI	22R11A05H7	CSE-D	First
V.TEJASWI	22R11A6743	CSE-DS A	Second
B LAXMI SRAVANI	22R11A6748	CSE-DS B	Third

ALPHAMATICA-2023

The Annual Intercollegiate Literary and Mathematical Festival **ALPHAMATICA 2023**, the prestigious student lead Annual Event was organized on 3/04/2023 from 9:00 am to 4.00 pm. It was hosted by the Department of Freshman Engineering at Geethanjali College of Engineering and Technology. Students actively come forward with many novel ideas. The event was conducted to create a platform for Inter-collegiate participation and encourage students to improve their Literary and Mathematical skills entitled ALPHABETICA and MATHEMATICA respectively. Around 350 students from various college Participated in this event. The Chief Patron of ALPHAMATICA is Sri G.R. Ravinder Reddy, Patron Dr.S. Udaya Kumar and Convener Dr.G.Neeraja Rani.The Faculty Coordinators were Dr.A.Uma Devi, Dr.V.S. Triveni and Dr. N.Shubhadra, Faculty In charge Dr.Sk.Nuslin and Mr.Y.Anil. Student Coordinators Sathvik Parasa, Arupalli Akash, Hari Sarada, Yelleti Geethanjali.

The events were organized by the students under the guidance of Faculty Coordinators. The **MATHEMATICA** Events were judged by Dr. Abdul Rafi, Professor, HoD, Department of Civil Engineering. The **ALPHABETICA** Events were judged by Mrs. Reena Rana, Associate Professor, Civil Engineering, GCET. Each event was allotted 55 minutes time and there was a huge response from the students. The winners were announced by the judges. The events were very interesting and students participated actively.

MATHEMATICA

Mathematica is an event which includes arithmetical, geometrical, computational and algorithmic competitions as it helps the students to develop critical thinking and Problem solving in a meaningful way. Mathematical logic helps in formalizing precise facts and correct reasoning. Excellent problem-solving skills make the students enjoy thinking about abstract ideas, conducting scientific experiments,

solving complex computations, Managing Time Budgeting etc. The following events were conducted at DH-1, Block-II.

MATHEMATICA-2023			
S.NO	Date	Event Name	No. of Participants
1	03-04-2023	Calc-Oholics	90
2	03-04-2023	Mathskeeters	80
3	03-04-2023	Mathpyrates	70
4	03-04-2023	Oopsilon	60

ALPHABETICA

ALPHABETICA is a Literary event which included Word Puzzles, Jumbled Words, Cohesion and Coherence, Spell Bee and other Creative Activities. Five events were conducted including one Open Event. The events were conducted in ELCS Lab., Block-II. The Open Event was conducted at Block-II corridor. The events conducted were .

ALPHABETICA-2023			
S.NO	Date	Event Name	No. of Participants
1	03-04-2023	Wordilee	80
2	03-04-2023	Filamografo	70
3	03-04-2023	Three Cheers	70
4	03-04-2023	Funky Zest	60
5	03-04-2023	Party Monsters	75

VALEDICTORY FUNCTION

The chief guest of the Valedictory function Dr. Dipanjan Chakraborty, Asst. Professor , Department of Computer Science, BITS Hyderabad enlightened students with his valuable speech on the importance of AIML and Computer Science Engineering. He also talked about the impact of social media, (its advantages and disadvantages) how these subjects are interlinked in Professional development. Dr.G.Neeraja Rani, HoD Department of Freshman Engineering addressed the gathering and congratulated the prize winners. Principal Dr.S. Udaya Kumar explained very clearly the impact of language in global world and the usage of mathematics in computer programming. Overall the event was conducted successfully.

As a motivation factor to encourage students a new component “Best Event ‘Filamografo’ of Alphamatica was introduced for ALPHABETICA and MATHEMATICA. The Prizes were distributed. and certificates and cash prizes worth Rs.40,000 were given to the winner.



Mathematica – 2023

WINNERS FOR EVENT - CALCOHOLICS (Event-1)

S.no	Roll no.	Name	Branch & year	College Name
1	19R11A04C1	M.Sai Sharath	ECE-4	GCET
2	22R11A05C4	M.Keerthana	CSE-C(1)	GCET

WINNERS FOR EVENT - mathskeeters (event-2)

S.no	Roll no.	Name	Branch & year	College Name
1	22R11A05T5	S.Neelima	CSE-F(1)	GCET
	22R11A05R8	N.Amulya	CSE-F(1)	
2	22R11A6607	B.Sai Karthik	AIML-A(1)	GCET
	20R11A05J9	C.Monish	CSE-D(3)	

WINNERS FOR EVENT - MATHPYRATES (EVENT-3)

S.no	Roll no.	Name	Branch & year	College Name
1	22R11A6646	T.Deekshitha	AIML(1)	GCET
2	1009-21-101-001	S.Samuel Rickson	Chennai Engineering	NIZAM
3	21R11A0537	P.Rohith	CSE-A	GCET

WINNERS FOR EVENT - OOPSILION (EVENT-4)

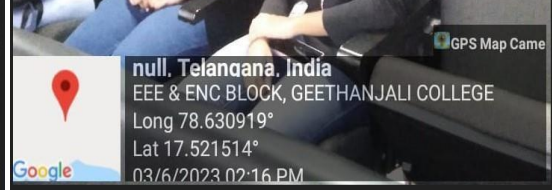
S.no	Roll no.	Name	Branch & year	College Name
1	22R11A66G3	D.Akash	AIML-D(1)	GCET
2	2022B2PS1762H	R.Sai Varun	MSC CHEM	BITS ,HYD
3	22741A04H1	A.Sai Krishna	ECE-1	MLRITM

Value Added Course

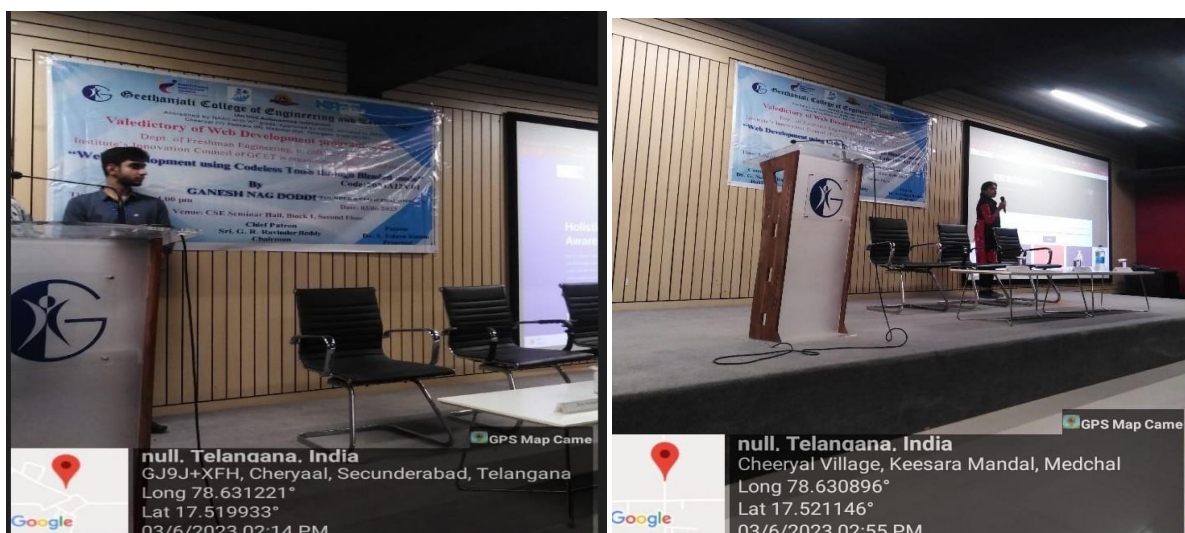
Report of Valedictory of Web Development Using Code Less Tools-2023

Date: 3.6.2023

Venue: CSE Seminar Hall, Block-I, Second floor



As part of Web Development using code less tools course offered by Mathematics Club, Department of Freshman Engineering all the students were trained by the Brain o vision solutions India private limited founded by Mr. Ganesh Nag. This course was started on 10-05-2023. In this course on the first day we were given the intro of web development, course outcome, uses, need and purpose of web development. And they thought us how to design posters in canva. On the second day we were thought how to develop a static website, and they provided us a domain name and asked us to develop a static web site on SDG. On the third day they explained us how to develop a dynamic website, use of chat GPT in web development, and cleared all our doubts. On the fourth day we were given clarity about our tasks to and Ganesh sir heard all our ideas on which we were going to develop a website and shared his valuable opinion on our ideas. On fifth day we were thought how to create a data base in our website to add a login page and register page and explained us the way which we must submit our task's. Then after all this on 03- 06-2023, we gave all our presentations in front of Ganeshsir. Basing on few parameters he evaluated our presentations and declared the winners. First prize was secured by Team M, they were awarded with a cash prize of Rs 8,000 and internship to all the team members. Second prize was won by Team R, they were awarded with a cash prize of Rs 5,000 and internship to all the team members. Third prize was given to Team B, they were provided with internships.



Group Name	Roll.No	Name of the student	Branch	Email-ID	Prize Winners
M	22R11A05F6	J.Dhana Sree	CSE_D	22r11a05f6@gcet.edu.in	First Prize Rs.8000 + Internship
	22R11A0470	K Bhargavi	ECE-B	22r11a0470@gcet.edu.in	
	22R11A0472	K. Joel Francis	ECE-B	22r11a0472@gcet.edu.in	
	22R11A0528	M CHAITANYA	CSE-A	22r11a0528@gcet.edu.in	
	22R11A6203	B. NAVYA	CS-A	22r11a6203@gcet.edu.in	
	22R11A6617	Jyothi Sinha	AIML-A	22r11a6617@gcet.edu.in	
R	22R11A67C7	Waddepally Vishista	CSE_DS_C	22r11a67c7@gcet.edu.in	Second Prize Rs.5000+ Internship
	22R11A05X7	Pola Charan Teja	CSE_G	22r11a05x7@gcet.edu.in	
	22R11A05X9	Relangi Tarun Kumar	CSE-G	22r11a05x9@gcet.edu.in	
	22R11A05C0	K. Manvitha	CSE-C	22r11a05c0@gcet.edu.in	
	22R11A05C4	Keerthana .M	CSE-C	22r11a05c4@gcet.edu.in	
	22R11A6248	PRAMODH DASARI	CS-B	22r11a6248@gcet.edu.in	

B	22R11A0454	Bandari laxman Reddy	ECE-B	22R11A0454@gcet.edu.in	3rd Prize Internship
	22R11A0511	D.RITHIKA	CSE-A	22r11a0511@gcet.edu.in	
	22R11A6759	E Tarun	DS-B	22r11a6759@gcet.edu.in	
	22R11A6701	AARATI VENKAT ABHINAY	CSE_DS_A	22r11a6701@gcet.edu.in	
	22R11A05Q3	ANIKETH GONEPALLY	CSE_F	<u>22r11a05q3@gcet.edu.in</u>	
	22R11A0588	Surnam Sirisha	CSE_B	22r11a0588@gcet.edu.in	

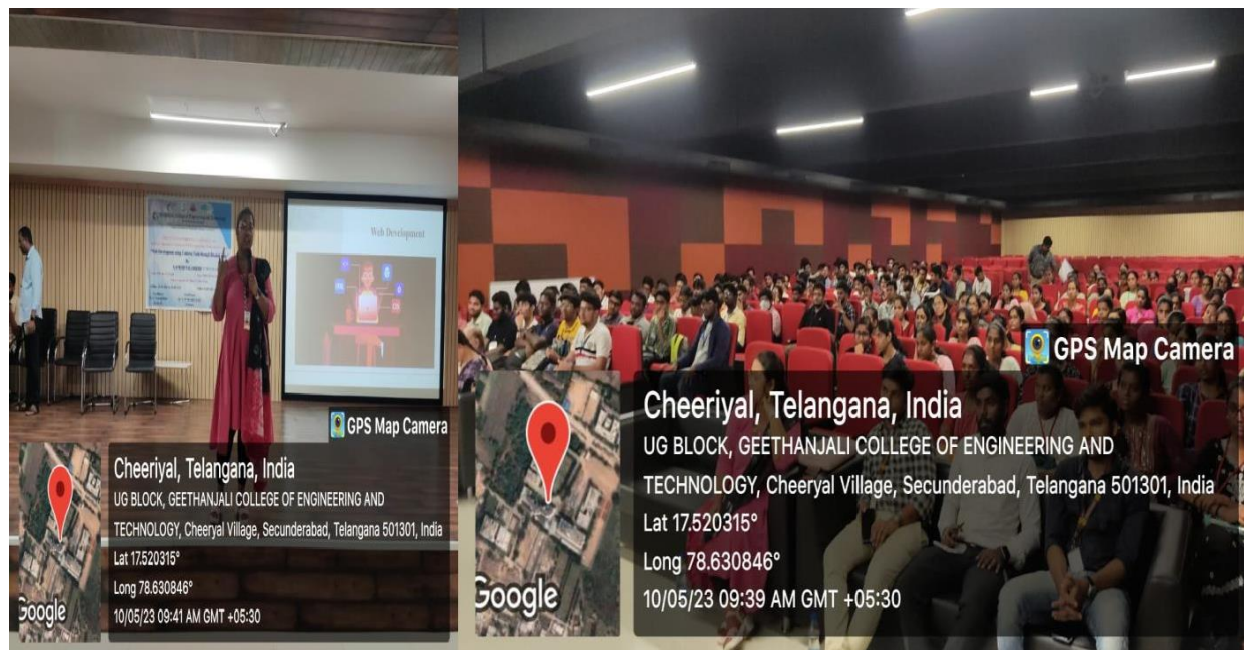
Day wise Report of Web Development using CodelessTools Through Blended Mode

Name of the Event: Web development program-2023

Location of the program: Geethanjali college of engineering and technology.

Day_1:

Date of the program: May 10,2023



Morning session (9:00am – 11:30am):

On May 10th,2023 in the web development program, we came to know what a website is, what a webpage is and about the web content. We were also able to acquire Knowledge about IQ (intelligence quotient) and EQ (emotional quotient). We also learnt about start-ups. The attendees shared their thoughts and ideas related to the program. It was an interactive session. They enlightened us about the SDG's (sustainable development goals), the ideology behind it and we also learnt the importance of it.

Afternoon session (12:10pm – 3:30pm):

In the afternoon session, they upskilled us through canvas. They taught us even the elementary things about canvas, later we brainstormed and created a poster as a group regarding to the SDG's. We got to know how to use canvas and how are posters made and everyone shared their own ideas and made it successful. It was an effective program where we were able to learn something new and acquire Knowledge.



Morning session (9:00am – 11:30am):

Today in the forenoon session, we got a clear picture about website creation, difference between static and dynamic website. Mainly we came to know step wise process to create/develop a static website using codeless tools, we also got awareness about what are codeless tools, it's value and importance of codeless tools in the market. we delved into the world of start-ups, exploring their distinctive characteristics, and contrasting them with traditional businesses. We also explored the role of sustainable development goals (SDGs) in the start-up ecosystem. Furthermore, we explored the basics of web development, equipping ourselves with the knowledge to create a static website. Applying this newfound knowledge, we successfully designed a static website for our college canteen. We were provided information regarding the types of websites by Ganesh Nag Sir. We came to know how to give a Domain name for a particular website, how to develop a website, tools used there etc. We got a clear picture on start-up's and types of websites namely static and dynamic.

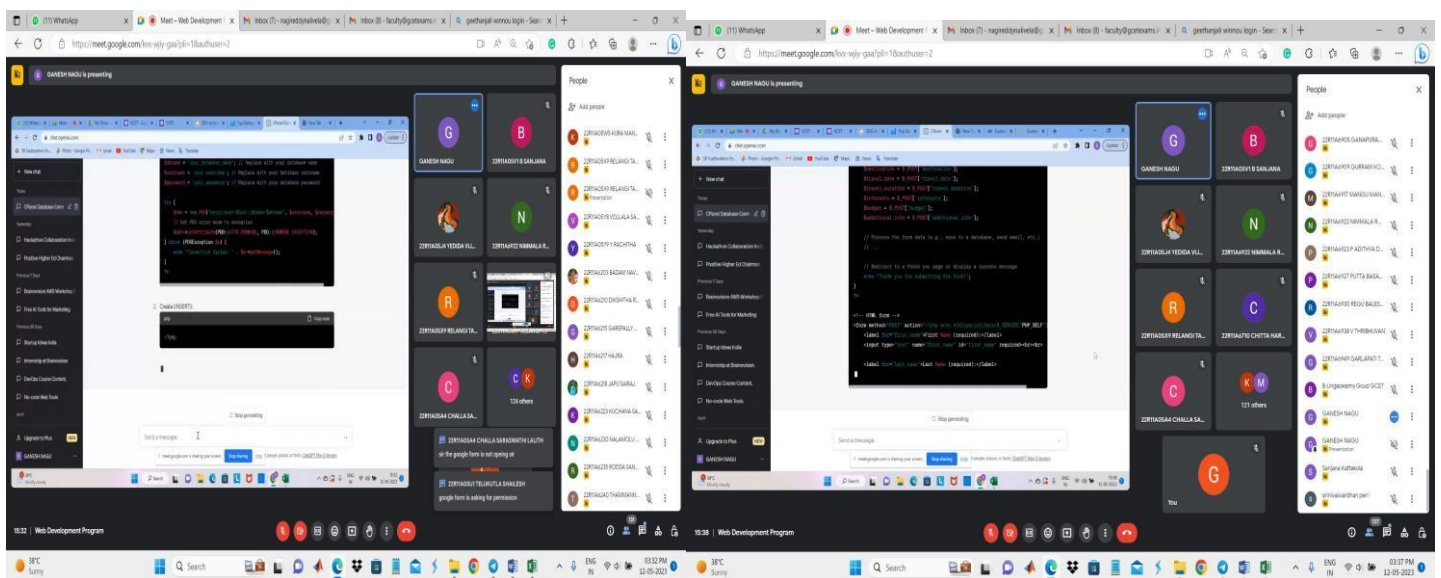
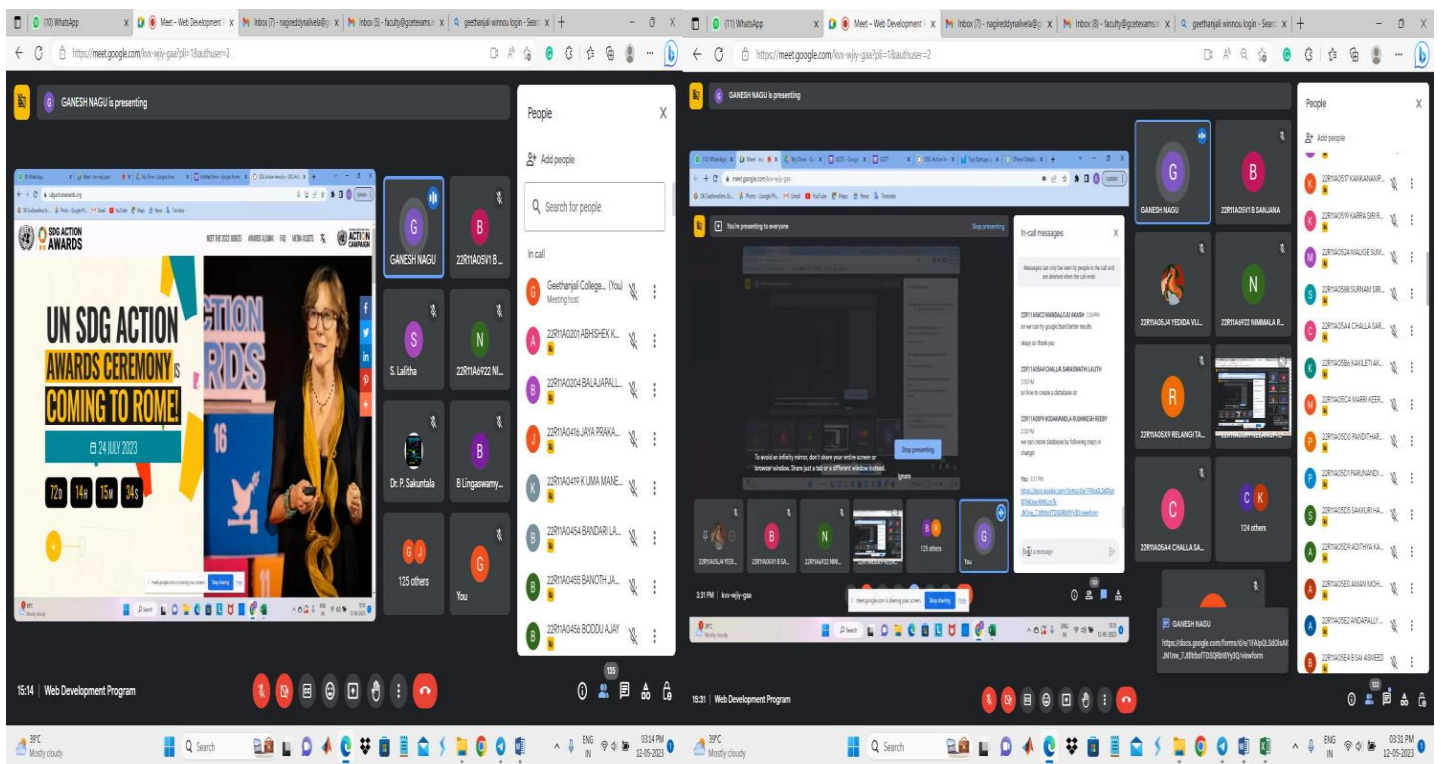


Afternoon session (12:10pm – 3:30pm):

In afternoon session we were asked to develop a static website using code less tools by providing us the required details of domain name, user name and password. And we were asked to select a topic and other required information regarding which we want to develop a static web site. Through practical application, we have clearly understood and enjoyed developing a static web site. Finally, we felt today's session was really a value-based session We have enjoyed developing static web sites. The guidelines to perform the given task were provided by the Brain O Vision Resource person. We were asked to select a theme and build a web page based on the selected theme as per the instructions given in the morning. End of the day we felt the session is worthy enough.

Day-3 and Day 4:

Date of the program: May 12th,2023



Morning session (9:00am – 11:30am):

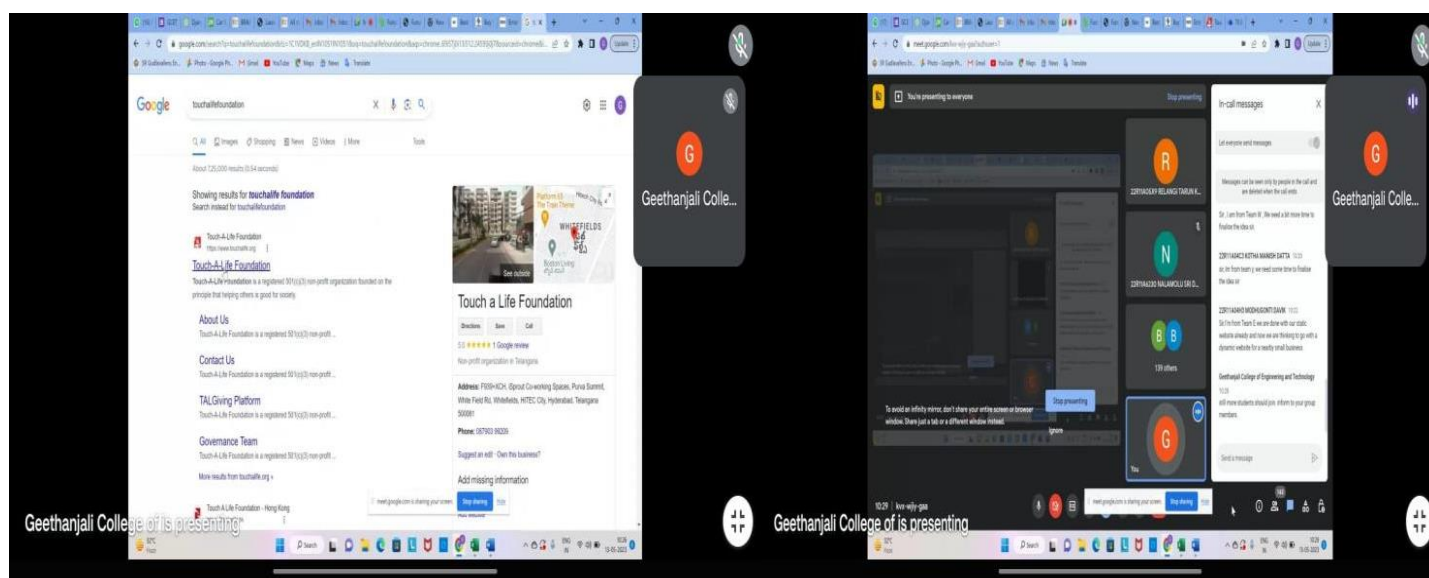
Today morning sir asked about each group's topic and gave few suggestions to complete the project. And clarified doubts of few students. In the morning session, Sir had clarified all the doubts regarding website development and asked all of us team wise to come up with an idea by the afternoon session. We've discussed about the concept among ourselves and finalised one topic i.e. A platform where a customer gets all the information related to different services like contact, address, ratings etc. In this way both the customer and local vendor gets benefitted which leads to fulfilment of SDG-8. We've collected some information related to the selected concept.

Afternoon session (12:10pm – 3:30pm):

Report of forenoon session: Today in the forenoon session, firstly all our doubts were clarified by CEO sir. And we were asked to share our ideas with sir. He corrected us and gave us new more ideas on which we must develop a website. Sir has explained about few topics. He made few changes in the selected topic. And gave some tips to create dynamic website.

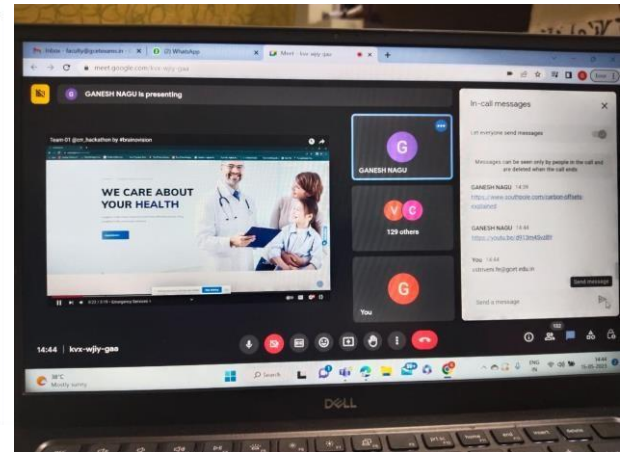
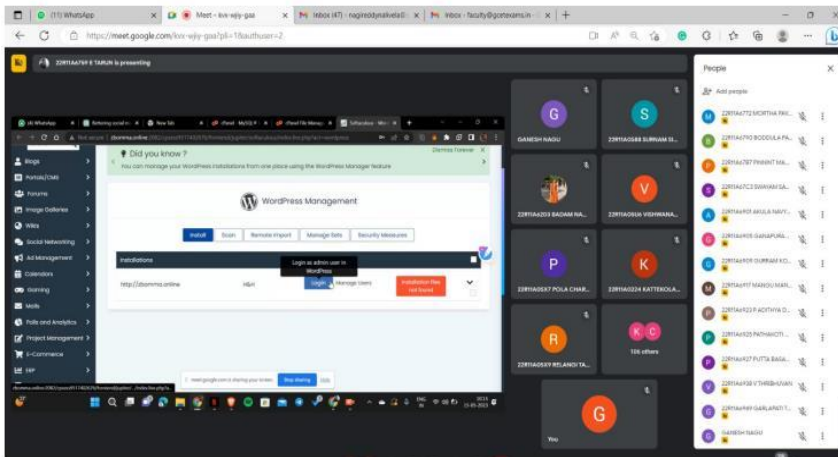
Day-5:

Date of the program: May 13th and May 14th, 2023



Morning session (9:00am – 11:30am): The online class held by Ganesh Sir (CEO and Founder of Brainovision) was to discuss the different startup ideas that the student would be doing for their web development project. Sir was discussing the advantages and disadvantages of the startup ideas, how it would affect mankind in any way. In morning session they cleared our doubts and explained us how our website should be and which type of website is useful for the society. Today we have learnt how to build the static and dynamic website. And got our doubts clarified in working with static and dynamic website. In the morning session, Sir had clarified all the doubts regarding website development and asked all of us team wise to come up with an idea by the afternoon session. We've discussed about the concept among ourselves and finalised one topic i.e. A platform where a customer gets all the information related to different services like contact, address, ratings etc. In this way both the customer and local vendor gets benefitted which leads to fulfilment of SDG-8. We've collected some information related to the selected concept.

Afternoon session (12:10pm – 3:30pm): In afternoon session we told the ideas or the topic of our website. Then we explained how and why it is useful. It was an effective program where we were able to learn something new and acquire knowledge. We got our doubts clarified about WordPress, etc. And proposed our ideas in building a website. And stated whether the website is static or dynamic.



Morning session (9:00am – 11:30am):

On May 15th,2023 in the web development program, morning session,the attendees joined a Google meet where we were able to ask queries regarding our website. Many doubts were solved. they explained about database, how to use it in our website. They told about static and dynamic types in which way the website can be according to our ideas and topics. Today we have got our doubts clarified about database. Each team proposed their ideas. And type of website they are going to build and brief explanation about their topic. Today, we had an exciting day of learning where we delved into the world of databases for both static and dynamic websites. Moreover, we explored the intricacies of creating a login page, an essential component of many websites. Following the instructional sessions, all the groups eagerly engaged in discussions, sharing their unique ideas and perspectives. It was inspiring to witness the diverse range of concepts that emerged.

Afternoon session (1:00pm – 2:40pm):

In the afternoon session they asked each group to explain about their website ideas and how are they going to do it. We also explained about our static website on topic "ECO FRIENDLY ONLINE SHOPPING WEBSITE". Then they cleared our doubts. On behalf of our Geethanjali college a student told vote of thanks for the team "BRAINOVISION" for training us as it was the final day of web development program. Then they assigned the dates for the submission of our website. We were informed to put the detailed explanation of our topic in the YouTube channel of any one in the team And develop that website according to the topic. Today's session focused on dynamic websites with a login option. Participants learned about the concept of dynamic websites and their advantages, including personalization, real-time updates, interactivity, easy content management, and scalability. The session then delved into implementing a login system for a dynamic website. Topics covered included user registration, secure password storage, user authentication, and the use of user sessions and cookies. By the end of the session, participants gained a comprehensive understanding of dynamic websites and the necessary steps to incorporate a login system into their web applications. The host cleared our doubts and explained us about database and how to create a login page. It was an interactive session. Each and every group explained their ideas on creating the website and sir cleared doubts regarding website.

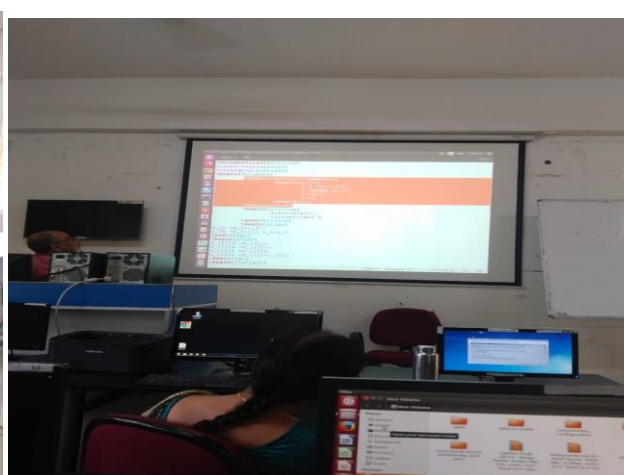
This was really a wonderful and a worthy course. We have learnt a lot, through this course. On May 10th 2023, in the web development program we came to know what is a web page, website, web content and also we came to know about the app called CANVA through which we came to know how to make posters and convey the perfect meaning of the given topic. Later we had a practice session on making posters through CANVA. we were explained the intro of websites and logo creation and poster making in canva. On May 11th, in the web development program, during the first session the CEO of Brainovision solutions (India) PVT. Ltd. Mr. Ganesh Nagu sir has come to our college and shared his knowledge with us regarding websites, apps, web applications etc and taught us how to build a static web application using codeless tools. In the second session we had a practice in which we have choose the topic “*Event planner*” as our static web application. we learnt how to develop a static website and we have done it practically. On May 12th, 13th, 14th, and 15th we had online sessions in which we came to know about dynamic web applications and how to build a dynamic web applications explained by Ganesh Nagu sir and we also cleared all our queries regarding the static and dynamic web applications and we were given the time to build a dynamic web application till May 18th ,2023 in which we took our website as “*Handlooms For You*” in which all the hand made products such as clothes, crockery, toys, decorative items and jewelry etc. are available at reasonable prices. we were thought how to develop a dynamic website. Our respective tasks or projects to develop a website, were given to us and we shared all our ideas and instructions were given to us in the fourth day. Finally, in the fifth day we were thought how to create a database in our website and informed us the steps to submit our project. Overall, we gained a lot of exposure, awareness, knowledge, and experience through this course. Group A: we are developing a website which gives services everything about pets like the food and needs for pets, online pet store, etc. Group B: We are trying to build a social media website where we can build communities with common interest to participate in various activities and challenges. It is a dynamic website. Group C: We are planning to develop a website on donate or sell unwanted items instead of buying new. Here we give access to the people to the items. We recycle or re model those materials just like a new product. Group E: We are making a website on which anybody can access previous questions papers of different educational institutes with one click. This is going to be useful to every student who plans on finishing the syllabus easily before the exam day. Thank you. Group-F: We are developing a car repair dynamic website which repairs car anytime anywhere and also drops the customer to his/her destination. Group-G: We are making an Awareness website on several health issues. We are also including a portal for blood banks, organ donation where volunteers can sign up regarding charity. Group-H: We are developing a static website on organic grocery delivery. In this, we buy groceries directly from the farmers and sell them. Group J: we are developing a website on organic vegetable, fruits and dairy products for the customers. Group M: We are trying a dynamic website on waste management. We bridge the gap between supply and demand of by-product, surplus raw materials and waste between two industries with logistic support. SDG 11- Sustainable cities and communities. SDG 12 - Responsible consumption and production. Group-N: We are developing a static website based on Eco-friendly products. Which are totally manmade products to reduce plastic usage. Group-P: We are developing a website which will suggest people on their theory of Innovations and guide them to present it to the MNC's. Group-R: Sir we are developing a static website on booking an appointment with ayurvedic doctors. We connect people with ayurvedic doctors. it comes under SDG-8(Good Health and Well Being). Group S: We are developing a website on Buy second hand or vintage clothing. Where we sell the second-hand clothing and vintage clothing for the customers. Group T: We are developing a website based on deliveries from rural areas (from the producer to the us without middlemen) it is a static website.

Group-U: Sir we are developing a website where the customer can check the prices of the services offered by the salons in particular town/city and also a site where the salon owners can advertise their niche products which aren't easily accessible in the market. Group V: We are developing a website for website developers.

Through this website people can contact us and we create a website of their choice. Group-W: We are developing a website which is a platform which connects customers and local vendors in different types of services, the information displays name, contact, address, ratings too. Group X: We are developing a website where a customer places a wanted job post and it only shows the job post which are nearby the other customer. Group-Y: Our group is developing a website for sustainable tourism, in which the user can view sustainable/eco-friendly locations to go visit and how to do so without leaving a large carbon footprint. It will be a dynamic website. Group Z: We are developing a website where a person can send a picture or location of people who need food, and we deliver food to that location or send a notification to people in that locality who are willing to donate anything possible. Group AA: We would like to create a static website which is related to SDG goal no.3 Good health and wellbeing Which is about delivering the customers organic food and groceries, and also collaborating with farmers and take the healthy items from them. Group AB: We are developing our college website. a static one. In this we can see about our college, courses available and about placements in our college. Group AC: We are developing a website for renewable concrete, In this we recycle old concrete and produce new concrete and sell it, and take in old concrete waste from the consumers. 166 students participated actively.

Workshop

A Three-day Workshop on Document Preparation using LaTeX was conducted from 26-06-2023 to 28-06-2023 in AECS Lab, Block-I for all B.Tech and MBA faculty by Dr. N. Ravi Shankar, CoE, GCET. Sir started the session with introduction to LaTeX. He explained about document preparation using certain commands in Unix platform. He also explained, how to change the document format, creation of table, how the mathematical equations are written in the document. 25 members have actively attended the session. This workshop enhanced the ability of faculty in document preparation like Thesis writing, Report Writing etc. using LaTeX as it is needed for all researchers.



Industrial Visit

Objective:

- To provide the students with an insight to the working of an organization like Akshaya Patra.
- To provide the students about the various technological challenges currently the food industry facing.
- To enhance student's knowledge on Management.

About Industrial Visit:

Department of Freshman engineering, Geethanjali college of engineering and technology, as part of its consistent efforts to blend theoretical concepts with practical experiences, took students of I year ECE-A and B section students to Akshaya Patra on 28th June 2023.

Akshaya Patra is a not-for-profit organization headquartered in Bengaluru, India. It strives to eliminate classroom hunger by implementing the Mid-Day Meal Scheme in government schools and government-aided schools. It also aims at countering malnutrition and supporting the right to education of socio-economically disadvantaged children.

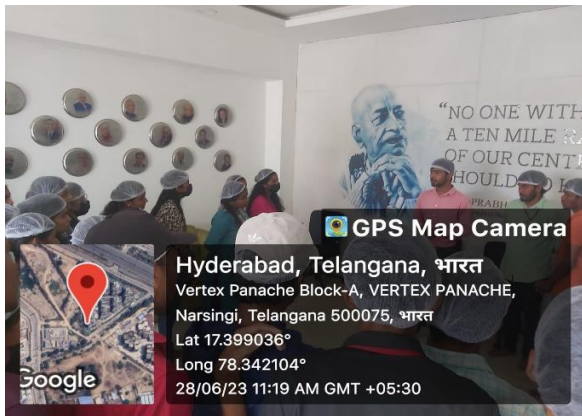
Mr. Rakesh in charge of Akshaya patra gave an introductory session on Akshaya Patra, what it stands for, its past and future projects, such as Feed the Future

The students were escorted to the kitchen where the mid-day meals were prepared. Unlike its other kitchens, this one was a one-floor operation with a considerable amount of manual intervention. There was large machinery with as much as 600 L capacity (for rice) and 1200L capacity (for Sambar). All its other kitchens were automated up to 80%.

The students were enlightened to be able to peek into the activities of the kitchen, and the various practices followed by them inside the kitchen with regards to cleanliness, maintenance, quality checks, applying stickers before the food is loaded onto the delivery vehicles, and a full-fledged menu for the day where the organization is attempting to offer some variety along with nutrition. Students become more aware of industry practices and regulations during industry visits.

Outcome:

- Students understood about the working of Akshaya Patra.
- The students were able to understand about the various technological challenges currently the food industry facing.
- They understood the internal management and opportunities at AKSHAYA PATRA.



Poster Presentation

Mathematics Club of Geethanjali College of Engineering and Technology organized a **Poster Presentation Competition on ‘Principles of Mathematical Modelling’** for B.Tech and MBA students on **29-06-2023, at 2.40 pm, in Drawing Hall 2.1 Block-II**. 6 students participated in this competition. Two students are chosen as winners.

The following are the winners of a Poster Presentation Competition.

- | | | | | |
|----|----------|-------------------|------------|--------|
| I | Position | R. Tharun Kumar | 22R11A05X9 | ICSE-G |
| II | Position | H.A. Uday Bhasker | 22R11A04B6 | IECE-C |

sustainable energy - 22R11A04B6 H A UDAY BHASKER.pdf

Open with Google Docs

RENEWABLE ENERGY

- 1 Safety for the environment
- 2 Availability of an energy source
- 3 Inexhaustibility of the energy source

(Benefits of Renewable Energy):

- Generating energy that produces no greenhouse gas emissions from fossil fuels and reduces some types of air pollution.
- Diversifying energy supply and reducing dependence on imported fuels.

sustainable energy

THIS IS OUR FUTURE

MATHEMATICAL MODELLING

STUDENT-FRIENDLY STANDARDS FOR MATHEMATICAL PRACTICE

NEVER GIVE UP! DON'T MATHS FUDGE! THINK ABOUT IT!

Standards for Student Mathematical Practice

- 1 **Make sense of problems and persevere in solving them.**
Keep on going!
- 2 **Reason abstractly and quantitatively.**
Think what makes sense.
- 3 **Construct viable arguments and critique the reasoning of others.**
Talk and explain.
- 4 **Model with mathematics.**
Show your thinking.
- 5 **Use appropriate tools strategically.**
Use the right tools.
- 6 **Attend to precision.**
Check your work.
- 7 **Look for and make use of structure.**
See the pattern or connection.
- 8 **Look for and express regularity in repeated reasoning.**
See the pattern or connection.

ALL FORMULAS COMES UNDER MATHEMATICAL MODELS