ISTE REPORT
2014- 2015

ABOUT ISTE

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MISSION

ISTE inspires educators worldwide to use technology to innovate teaching and learning, accelerate good practice and solve tough problems in education by providing community, knowledge and the ISTE standards, a framework for rethinking education and empowering learners

VISION

ISTE's vision is that all educators are empowered to harness technology to accelerate innovation in teaching and learning, and inspire learners to reach their greatest potential.

OBJECTIVES

- To formulate the general goals & responsibilities of technical education.
- To adjust curriculum & educational processes to changing conditions.
- To develop effective teachers & educational administrators.
- To improve instructional methods & practices.
- To enhance professional ideals & standards.
- To foster research as a function complementary to teaching.
- To cultivate fraternal spirit amongst the teachers, administrators, industrialists & professionals.
- To bring about effective linkage between technical institutions industry & society.

AP - 80

INDIAN SOCIETY FOR TECHNICAL EDUCATION

FOUNDED 1968

Devoted to Promotion of Quality and Standards in Technical Education

This is to certify that
the Executive Council has approved the formation of an

ISTE STUDENTS CHAPTER

at

Gokaraju Rangaraju Institute of Engg. & Technology
Hyderabad

with all privileges granted by the Constitution of
the Society

2004

Indian Society for Technical Education
New Mehrauli Road
New Delhi

Executive Secretary, ISTE

IM 1214

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Gokaraju Rangaraju Institute of Engg. & Tech.

Bachupally, Hyderabad

was duly admitted by the Executive Council as

INSTITUTIONAL MEMBER

of the Society and is fully entitled to all the privileges granted by the constitution and bye-laws

2004

EXECUTIVE SECRETARY

2014-2015

TECH TALK(EEE)

As the mission of ISTE is to provide exposure to the students about the myriad options they can opt for in the field of Technical education, ISTE GRIET started a new wing “Tech talks”. In these Tech talks students will be exposed to different technologies and diverse topics which they would not be able to cover in their academic schedule.

On27thOctober,2014 ISTEstudentchapterhaditsfirsttechtalkonthetopic**“WaterLevel Indicator”**. Around30students attended the session, and the session received positive feedback to conduct such eventsfurther.

DEBATE COMPETITION

Debate is an essential tool for developing and maintaining democracy and open societies. More than a mere verbal or performance skill, debate embodies the ideals of reasoned argument, tolerance for divergent points of view and rigorous self-examination.

The debate was conducted on the topic “Does the world need Nuclear Energy?” on 11thNovember 2014. A total of 10 groups registered for the competition, each group up to maximum of 2 students. Three members of the faculty were the judges for theevent.

Winners of the event was the team of **J. Vivek(ECE-3)and G. UttejReddy(EEE-3)**.

PLANTATION DRIVE

As part of the college Environmental fest **“Ruedo”** each student chapter was nominated to plant a sapling in the college campus. ISTE Student Chapter was quick in accepting the nomination and planted several saplings in the college campus. Further all the students of GRIET were encouraged to carry forward this good notion.

ISTE REPORT 2015-2016

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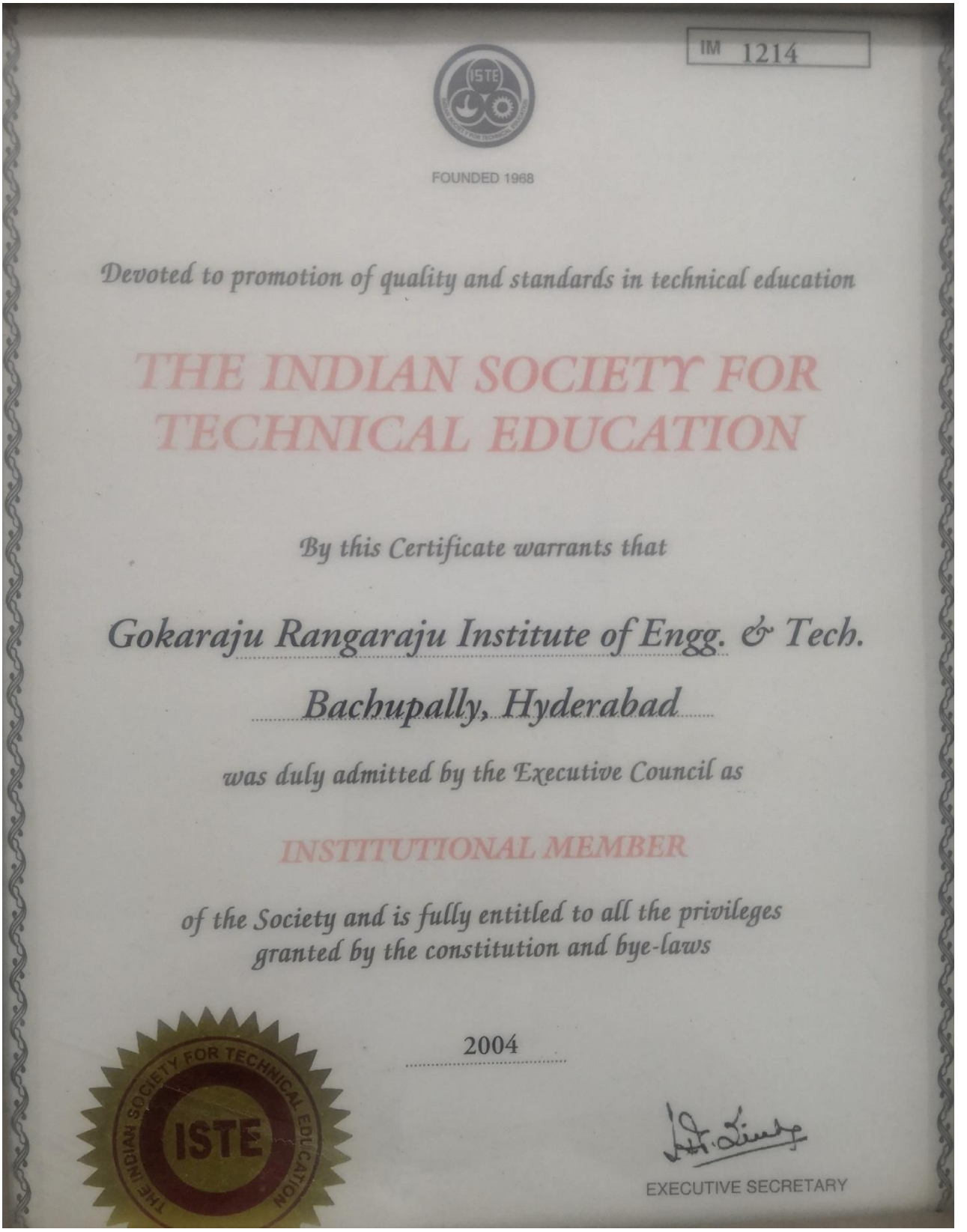

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ISTE

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INDEX

S. no	Date From	To	Event Name	Event Location	Number of Faculty	Number of Students
1.	11-02-2015	11-02-2015	Guest Lecture	Inside Campus	3	26
2	15-03-2015	15-03-2015	Talk on Career Guidance	Inside Campus	0	50
3	17-04-2015	17-04-2015	Ideaz	Inside Campus	0	55
4	30-06-2015	30-06-2015	Design Sprint	Inside Campus	0	25
5	08-08-2015	08-08-2015	Code Sprint	Inside Campus	3	15
6	27-08-2015	27-08-2015	Tech Zap	Inside Campus	1	24
7	11-02-2016	11-02-2016	Arduino Session	Inside Campus	0	20
8	13-02-2016	13-02-2016	Digital Marketing	Inside Campus	0	30
9	04-03-2016	04-03-2016	Pic-o-metry	Inside Campus	0	24
10	29-03-2016	29-03-2016	Android Workshop	Inside Campus	2	15
11	30-03-2016	30-03-2016	MELA 2k16	Inside Campus	0	500

GUEST LECTURE

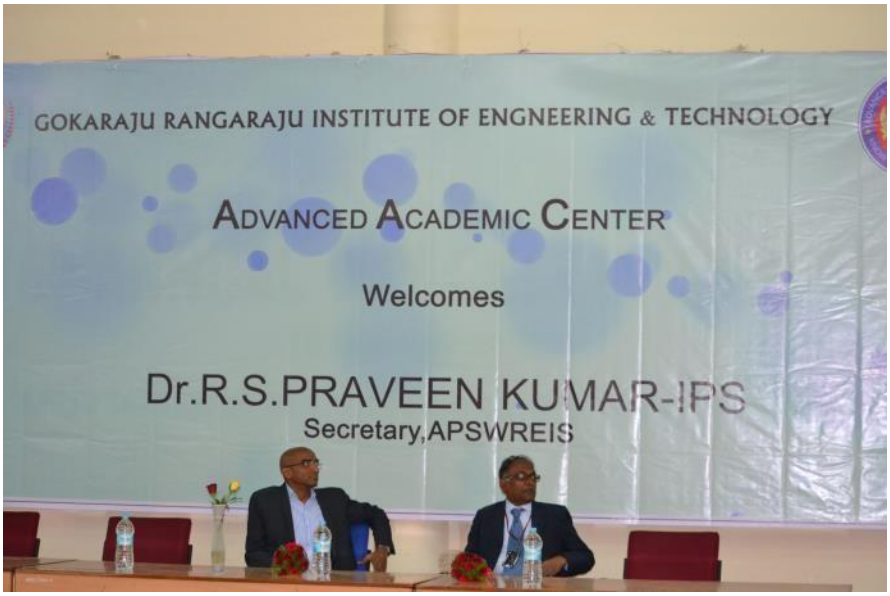
Guest Lectures influence the students in choosing the correct career path and educate students about the bridge between the industry and college. ISTE's first guest lecture was delivered by **Dr.V.N.Mani (Scientist-E)** of Centre for Materials for Electronics Technology(C- MET). The Guest lecture was focused on "Role of Manufacturing Engineering and Advanced Electronics".

The session was on11thFebruary, 2015 for about 2hours.Atotalof 60 students attended the session. The session was graced by **Dr.Y.Vijayalatha (Head of Department IT)**. The session was followed by questions from the students to the speaker.

TALK ON
CAREER GUIDANCE

A correct choice during the student life leads to a proper career option. Advanced Academic Center (AAC) GRIET in association with ISTE GRIET Student Chapter hosted a talk on career guidance by renowned IPS officer **Dr.R.S.Praveen Kumar, Secretary-APSWREIS**. The session was graced by **Dr.Adapa Rama Rao, Dean of Counseling and Career Guidance**.

Students were encouraged to make the right choices in life and to overcome their weakness. The speaker also shared some of his previous work and life experiences. Almost100 students attended and were benefitted from the session. The session had concluded with an interactive session between the students and the speaker.



IDEAZ

ISTE student chapter conducted an erudite event called ideaz on April17 i.e. (17-04- 15).The basic motto of this event was to help students realize the significant role of paper presentations and how they help in building their career. Paper presentations provide a beautiful platform to

share your cognizance. It helps in dealing with your confidence issues when it comes to speak in front of a huge audience.

The participants were given a choice to choose either from the topics of their own interest or from the topics that were well formed in advance. We had a nice turn up for the event. It was over whelming to see the enthusiasm of the participants. While they presented we had a team of experts in the judge's panel to examine them and provide scores accordingly. Based on expert's decision the winners were awarded withcertificates.

The first prize was bagged by **G.UttejReddy**. This is one of the finest events conducted by the student body. At the end of the day we were able to help the participants overcome their fears and turned them into a bold and confident speakers and the result is adequate.

DESIGNSPRINT

It is estimated that there arearound1.75billionsmart phone users worldwide and more than100 billion apps have been downloaded only from the apple app store till date. These increasing numbers have caught the eye of today's generation and many have decided to contribute to these growing numbers. Sometimes students may have very interesting ideas but they hesitate to share them because of fear of rejection and failure.

In order to break this taboo the ISTE Student Chapter conducted an event called 'DESIGNSPRINT' on 30thJuly, 2015. The main objective in conducting this event was to bring Out the ingenious ideas hidden among the students. The event started off with the participants designing the basic structure of an application. The students worked in teams of four to design the layout of an app along with the special features it provides under the guidance of the technical leads of ISTE Student Chapter. Later the students were given an opportunity to present their ideas to the audience which helped them in conquering stage fear.

Informal feedback from the audience was positive. They said that it was really anew learning experience as they got to work in teams and came to know about the apps designed by other students as well.

Out of allthe23 teams that came up with visionary and productive ideas **team Nick, team J2NSandteamFlashHorns** were awarded the first second and third places respectively.

CODE SPRINT

To create an app it is just not enough to design the layout, adding life to that application can be done only by coding it. 'CODESPRINT'a sequel of design sprint was conducted by ISTE on 8thAugust2015.

The event was about educating the student about the thing to be kept in mind while designing a new application and steps to be followed in coding. **Mr.VenkatDinesh**who is a member of **"Google Developer Group (GDG) Hyderabad** was invited to give a lecture on app designing. He enlightened the students about the software that is being used in recent times for app development and gave a detailed explanation about one of the famous software i.e. Android digital studio.

It was a hand-on session where the students got to explore the software and learnt how to code using it. Almost 70students showed up for the event who said that they were very much enthralled with the session and requested to conduct more such educative sessions and in the future.

TECH ZAP

As part of rapid internet growth in the last 10 years, most of the events are now happening online like webinars etc. The ISTE Student Chapter of GRIET has as many as 1000 viewers on its Facebook page and its website. To encourage students to use the internet in a resourceful manner, a quiz competition “TechZap” was conducted online.

The quiz was created using google forms and responses were collected. The quiz started at 7:30 pmandwithin30minutesmorethan80responseswerecollected.

The first prize was awarded to **LalithaTejaswi**of third year ECE and the second prize was awarded to **CharanKadari**of first year ECE who answered the maximum questions in minimumtime.

MEMBERSHIP DRIVE

After the membership drive in February 2014, new memberships were welcomed during 29th, 30thand31stOctober. The drive focused on the different kinds of events ISTE Student Chapter conducted and the events which would be conducted in the coming days. Approximately 400 students registered for membership during the drive making ISTE the largest student body of GRIET.

ARDUINO SESSION

Over the years Arduino has been the brain of thousands of projects, from everyday objects to complex scientific instruments. Due to its simple and flexible features, it has become the initial tool for the beginners to implement their ideas and to develop different projects and applications. In order to prove that it's a great tool for the students, ISTE Student chapter has conducted an **"ARDUINO SESSION"** on 11thFebruary, 2016 by **Mr.Naveen Kumar** for the first year students. The main objective of the session was to train the students with hands on experience to handle basic electronic and electrical concepts. Around 60 students participated in the session. The session started with a detailed introduction of how an Arduino works and later with the advantages of it. The students were filled with satisfaction which made the session receive a huge positive response.

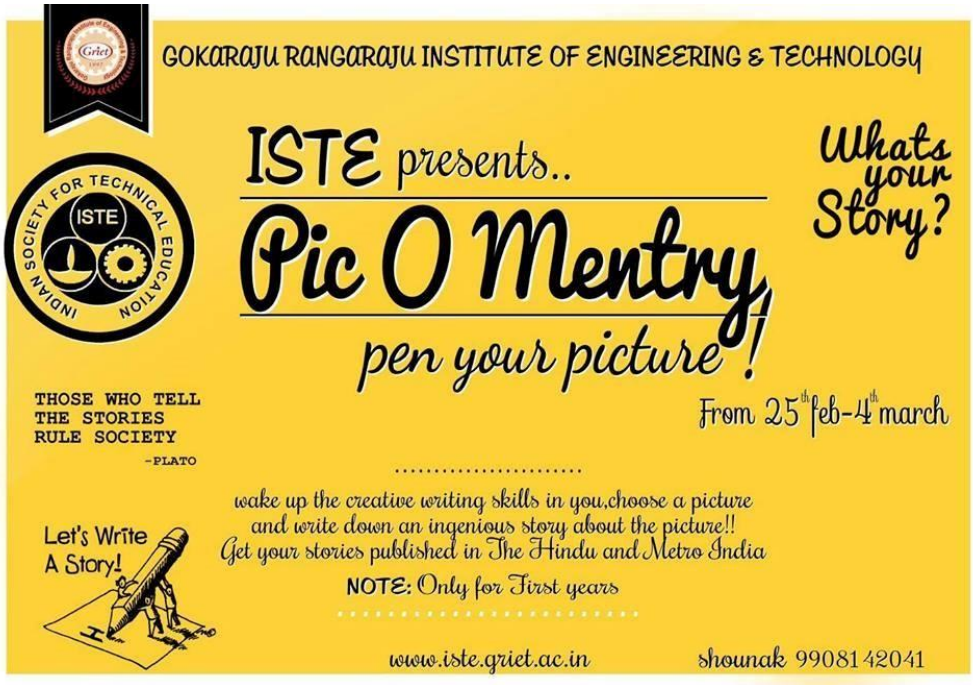
DIGITAL MARKETING

We have always had marketing. Ever since the middle ages when shops put up hand-carved wooden signs, the benefits of marketing have been clear: to help people who want to do business with you find you. As the years passed, people also changed. Now we find more people "search first , ask questions later" enthusiasts, search engine optimization, search engine marketing, and public relations emerged as contenders for the advertising which gave rise to the new era of marketing. ISTE student chapter has a Tech talk on 'Digital Marketing' on 13thFebruary, 2016 by **Mr.VishalBoppanna**from **NETELIXIR**. Around 120 students have attended the session from various branches. The session was concluded with an interactive session with lot of questions coming up from the students which showed their interest in the field of marketing. The session was highly appreciated by the audience which made the event successful.

Pic-o-mentry
Pen yourpicture

They say a picture speaks a thousand words but these thousand words differ from person to person and each will have a different version of it. To enhance the creative skills among students and bring out their potential of expression ISTE Student Chapter conducted a non technical event called Picomentry from 25thFeb to 4thmarch2016.

Here the students were told to write a story on the picture of their choice irrespective of the genere. A drop was placed at the library for one week where the participants dropped their stories along with the picture. The event was only for the students of 1styear where 10 people participated. Out of all the interesting and amazing stories SanjukthaRaychudhuri won the first prize.



Android Workshop

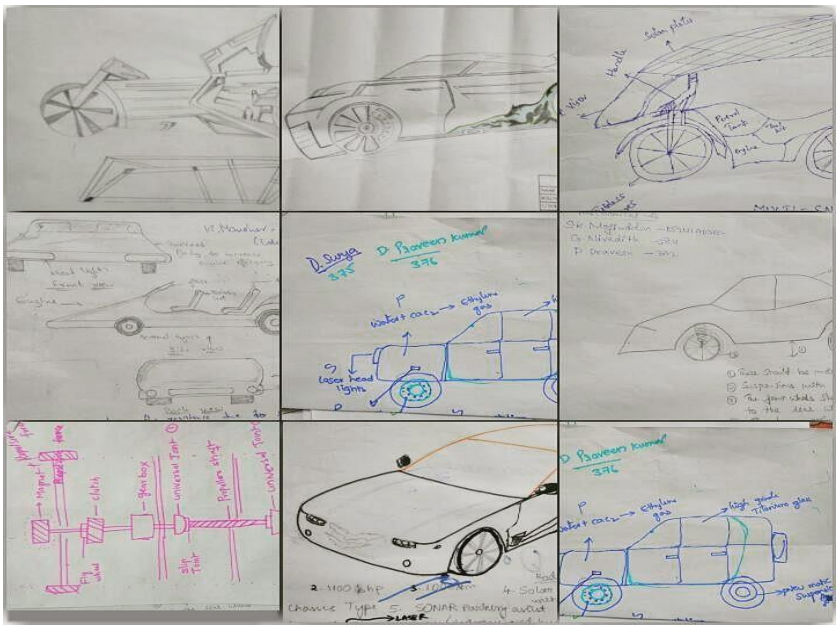
In today's fast lifestyle people want their things to be done even faster. As a result of which many apps came into being. Applications today have not only made the present lifestyle simpler but also started ruling the gen. To educate the students on how to design an app ISTE student chapter has conducted a one day hands-on workshop on Android app making on 29thMarch 2016. **Mr.Sanjeev**from **Being Zero** was the speaker of the session. The students were initially taught the basics of app designing and by the end of the day they created an app of theirown.

91 students had attended the workshop where they were made to work in teams. Participants were extremely delighted on creating an application of their own and asked for more such educative workshops in the coming future.

THE FAST AND

THE FURIOUS

"People recognize themselves in commodities but find their soul in AUTOMOBILES." Calling all the automobile nerds out! ISTE GRIET SB organized an event 'Fast and Furious', an automobile design competition was held on 15th July. The main objective is to bring out the hidden talent inside the students and to give them a hands-on experience to create their own futuristic locomotive with the present technology. Around 40 students have attended the session from various branches. The session was highly appreciated by the audience which made the eventsuccessful.



MELA- The Tech Carnival organized aims to provide a platform for budding engineers to showcase their skills in a plethora of events designed to exercise their minds. MELA which stands for Music, Education, Literature, Arts consists of a series of events providing an opportunity for the students to exhibit their talents. ISTE MELA also takes the immense pride in introducing the inter-branch competition with the objective of developing the competitive spirit

This one day carnival was held on 30thMarch, 2016 involving the first year students. MELA conducted about 20 major competitions- officially broken into five categories – Technical, Non-Technical, Literary, Musical and Art Events. Coupled with a highly appreciated "**Android Workshop**" MELA has become even more majestic and elegant.

MUSIC

Music is an art form and cultural activity whose medium is sound and silence. Music gives a soul to the universe, wings to the mind, flight to the imagination and life to everything. ISTE has conducted two events under this category – Singing and Instrumentation.

The students have shown a very good interest in coming up and performing in front of all the audience. Instrumentation also involved the classical instruments like harmonium which depicted the eminence in Indian music. However it remained the star event by attracting a huge audience that left the event extremelysatisfied.

TECHINICAL EVENTS

The main objective of MELA is to provide an opportunity for the students to showcase their technical skills. MELA included 7 technical events planned and organized at its best of quality. The events were decided keeping the interest and need of every student.

1. Paper Presentation

2. SciCross

3. MathMasti

4. Decode andConnect

5. Ram up thecircuit

6. Codewar

7. C-Monopoly

The basic motto of the Paper presentation event was to provide an opportunity to build their technical knowledge, critical thinking and enhance their communication skills to a superlative level. The electrical students have shown a massive interest in participating in these events making them successful. Coding is only thing that helps you build yourself in this modern world. Due to the enormous response from the students these events turned out spicy which included a lot of competition. This surely was a great attraction for MELA.

NON-TECHNICAL EVENTS

A festival is never a festival without fun and entertainment. MELA included 5 non technical events providing students all the joy and entertainment.

1. Ad-Mania
2. Directions in thedark
3. Crime SceneInvestigation
4. Count down60
5. Moto Rush

They were equally planned and executed perfectly and hence managed to gather a large audience and left all the events extremely satisfied.

LITERATURE AND ARTS

Events under this category were conducted to bring out the hidden talents of students. Literary events help in improving writing and communication skills. It included a newspaper quiz and essay writing competition. The one event which made our eye brows raise was newspaper quiz. It received a very huge response making it a successfulevent.

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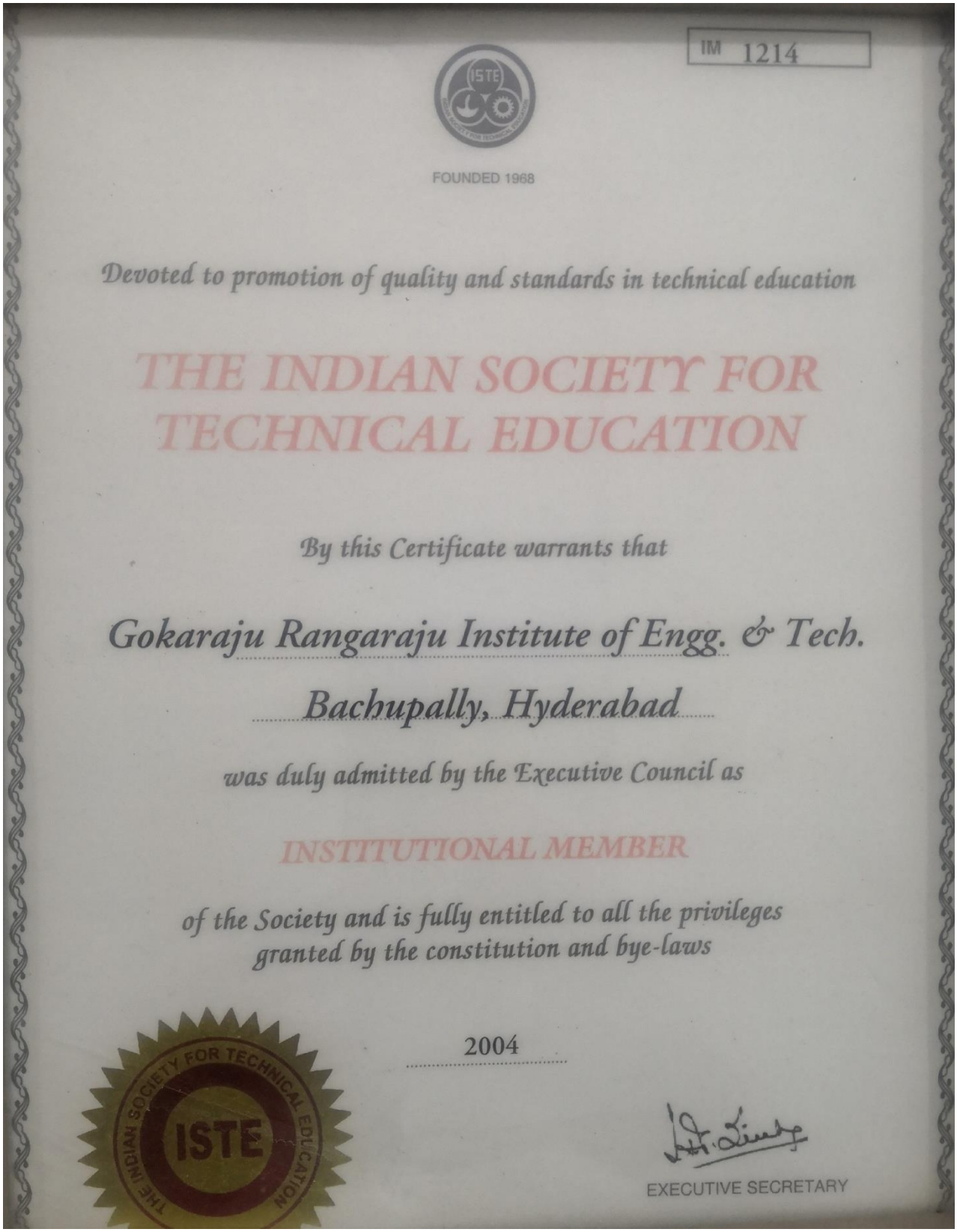

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S.no	Date From	To	Event name	Event location	No. of faculty	No. of students
1	11-08-2016	11-08-2016	BSNL-RTTC	BSNL	1	65
2	28-09-2016	28-09-2016	CODE AUCTION	Inside campus	0	72
3	21-10-2016	21-10-2016	CEO TALKS	Inside campus	0	50

Events Summary of 2016-2017

S.no.	Events	Total events
1	Industrial visit	1
2	Co-curricular activity	1
3	Tech/motivational talk	1

FIELD TRIP

The trip to BSNL-RTTC was a much-appreciated initiative by ISTE making the students of ECE department experience practicality in their subject. Students were totally satisfied with the trip as it helped them to check something out of the books and to see the practical world around.

Around 65 students were taken to the field trip on 11thAugust 2016.

CODE AUCTION

Auction was always very exciting to watch, whether it is the IPL players auction or be it the GANESH laddu auction.

ISTE GRIET SB conducted a departmental event "CODE AUCTION" on 28thSeptember 2016 with a slightly different play for the students of CSE and IT departments providing them the perfect opportunity to improve their coding skills and to be one of the best coders in the department.

Around 24 teams participated in this event and the following 3 teams bagged the corresponding prizes

1. T.Praveen, A Vamsi, B Arun (CSE-3rdyear)
2. K. Amini Krishna, Sai Datta (CSE-2ndyear)
3. D.Bala Sundeep Krishna, B.SaiAbhinay (CSE-3rdyr)

The session was highly appreciated by the audience which made the event successful and students expected more events to be conducted in the similar way in the coming future where they could test themselves.

CEO SPEAKS

"To be someone, use your mind; to be yourself use your heart." In this ever changing society, the most powerful and enduring things are built from heart and what we need to have is just a little confidence to take that risk and follow your dreams. And that's what Mr Sharath Chandra, the CEO of Chaibisket and First Show Digital did. His creative mind has truly inspired all of us. ISTE GRIET SB thank all the participants for making our 'CEO speaks..' a huge success. Here is a glimpse ofit.

MELA- THE TECH CARNIVAL (2017)

ISTE GRIET SB cleared yet another milestone with MELA- The Tech Carnival exclusively for the first years. This was the second-time history was written with students trawling the registration desk in massive numbers. MELA was a platform where the students could showcase their innerve indifferent feilds may it be technical or non technical.

This one day carnival was held on 8th April, 2017 involving the first year students. MELA conducted about 23 major competitions- officially broken into five categories – Technical, Non-Technical, Literary, Musical and Art Events.

The majority of the participants were highly satisfied and everyone were convivial about the events. We were contented to hear that almost all of them appreciated both our quality of the events and our management.

MUSIC:

For centuries Music has remained the harbinger of peace and immense happiness in life. As it is aptly quoted that the best thing about music is that when it hits you, you don't feel the pain. As ISTE is well aware that next to the word of God, the noble art of music is the greatest treasure in the world, thus this year MELA was back with the trademark events under MUSIC- Singing and Instrumentation.

The students were unrecompensed of their worries and were very enthusiastic to come up on the stage and perform. Instrumentation also involved the duo guitarist who were setting up the beat with their breathtaking back to back performances. It remained the star event by attracting a huge audience that left the event extremely satisfied.

TECHNICAL EVENTS:

Understanding that the main objective of ISTE is to impart technical knowledge to the students, thus MELA was conducted keeping in the same in mind. This year MELA included 10 technical events which were organized keeping the diversity of the technical knowledge of the first years. The events being:

1. Paper Presentation
2. SciCross
3. C-Mania
4. Snake andC
5. Ram up thecircuit
6. Test yourWits
7. Distortedcode
8. Mind Spark
9. Moto Rush

The basic motto of the Paper presentation event was to provide an opportunity to build their technical knowledge, critical thinking and enhance their communication skills to a superlative level. Students from every branch were equally interested in showcasing their skills. We also had students from all the years participate and give some really formidable presentations. We were really appeased with all of their performances on the dias.

NON-TECHNICAL EVENTS

Along with all the technical knowledge provided to the students through MELA, we also believe that “All work and no play makes jack a dull boy” and thus to uplift the spirits of the budding GRIETians in each and every strive of life we have introduced this part of MELA where a student can rediscover themselves through various fun filled games which at the end of the day bring in the competitive vibe in them. Thus for the same reason we had various non-technical events such as:

1. Ad-Mania
2. Directions in thedark
3. Crime SceneInvestigation
4. Minute to WinIt
5. MiniMilitia
6. IPLAuction
7. Pictionary
8. Rapport!

The main aim of the non technical events were to give the students a taste of freshness from their mundane life where they are submerged in either the paragraphs of their notebooks or getting oppressed by the various formulas of integration and calculus. The non tech events opened a new window for them where they rediscovered their coordination and competitive spirit.

They were equally planned and executed perfectly and hence managed to gather a large audience and left all the events extremely satisfied.

LITERATURE AND ARTS

Events under this category were conducted to bring out the hidden talents of students. Literary events help in improving writing and communication skills. It included a newspaper quiz and Split personality. It received a very huge response making it a successful event.

Arts included two events - Craftix and Rangoli. Rangoli surely added colours to the fest. It made the day colorful. It was a fun going event adding smiles to all our faces which boosted all our energies.

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The ISTE at GRIET was started in the year 2004. The faculty, students andmanagement of GRIET took keen interest in establishing ISTE student chapter, GRIET. ISTE has been very active in promoting the ideals for which it was embarked. ISTE conducts various co-curricular activities which redress with the changing curriculum and educational processes. It has always tried to improve students' technical prowess, and bolster them to put their learning into practice. Every event organized brings opportunities for students to compete with their coevals in healthy spirit and become adept in what they are learning, helping them in accomplishing the ultimate goals of their lives.

MISSION

ISTE inspires educators worldwide to use technology to innovate teaching and learning, accelerate good practice and solve tough problems in education by providing community, knowledge and the ISTE standards, a framework for rethinking education and empowering learners

VISION

ISTE's vision is that all educators are empowered to harness technology to accelerate innovation in teaching and learning, and inspire learners to reach their greatest potential.

OBJECTIVES

- To formulate the general goals & responsibilities of technical education.
- To adjust curriculum & educational processes to changing conditions.
- To develop effective teachers & educational administrators.
- To improve instructional methods & practices.
- To enhance professional ideals & standards.
- To foster research as a function complementary to teaching.
- To cultivate fraternal spirit amongst the teachers, administrators, industrialists & professionals.
- To bring about effective linkage between technical institutions industry & society.

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AP - 80

INDIAN SOCIETY FOR TECHNICAL EDUCATION

FOUNDED 1968

Devoted to Promotion of Quality and Standards in Technical Education

This is to certify that
the Executive Council has approved the formation of an

ISTE STUDENTS CHAPTER

at

Gokaraju Rangaraju Institute of Engg. & Technology
Hyderabad

with all privileges granted by the Constitution of
the Society

2004

Indian Society for Technical Education
New Mehrauli Road
New Delhi

Executive Secretary, ISTE

IM 1214

FOUNDED 1968

Devoted to promotion of quality and standards in technical education

THE INDIAN SOCIETY FOR TECHNICAL EDUCATION

By this Certificate warrants that

Gokaraju Rangaraju Institute of Engg. & Tech.

Bachupally, Hyderabad

was duly admitted by the Executive Council as

INSTITUTIONAL MEMBER

of the Society and is fully entitled to all the privileges granted by the constitution and bye-laws

2004

THE INDIAN SOCIETY FOR TECHNICAL EDUCATION ISTE

EXECUTIVE SECRETARY

INDEX

S. no	Date From	To	Event name	Event location	No. of faculty	No. of students
1	28-02-2017	04-03-2017	Innerve	Inside campus	0	60
2	08-07-2017	08-07-2017	Mechano auction	Inside campus	0	70
3	05-08-2017	05-08-2017	Design sprint	Inside campus	0	30
4	23-01-2018	23-01-2018	Yes you can	Inside campus	0	1000
5	28-02-2018	28-02-2018	Membership drive	Inside campus	0	200
6			Code auction season 2	Inside campus	0	110

Events Summaryof 2017-2018

S.no.	events	Total events
1	Co-Curricular Activity	4
2	Tech/Motivational Talk	1
3	Membership Drive	1

MEMBERSHIP DRIVE

On 28 Feb 2018, ISTE once again opened the remarkable opportunity to the students to be a part of an organization which strives for the betterment oftechnical expertise of the students. The membership drive this time focused on the first years to provide a 4 year long opportunity for them to participate in the plethora of events, workshops, and exclusive seminars. The students were told about the various opportunities and experience which they can enjoy being a part of this family.

A total of 200 enthusiastic students officially subscribed to ISTE, interested in all the activities and opportunities provided to them, all along.

Membership details

SNo.	NAME	ROLL NUMBER	BRANCH
1	Abhi Ramaraju B.	19241A05C0	CSE
2	Haushikesh Reddy.N	19241A0590	CSE
3	Joshua Sundaram	19241A041h	ECE
4	B Harshavardhan	19241A0434	ECE
5	N.Vignesh Teja	19241A0419	ECE
6	G. Hemanth Sai	19241A0445	ECE
7	Sangireddy Tharuni	19241A0455	ECE
9	V.Aishwarya	19241A0173	CE
10	G.Aditya Kumar	19241A0164	CE
11	B.Akshith	19241A0569	CSE
12	Aniketh Deshmukh	19241A0350	MECH
13	Sudeep Satya Sai .C	19241A05A7	CSE
14	Siddharth Nookala	19241A0558	CSE
15	Chandramukhi Varshith	19241A04E3	ECE
16	Md. Hannan	19241A04G3	ECE
17	R.Saiteja	19241A04E6	ECE
18	K.Sai Nithin	19241A05P2	CSE
19	Ch.Mrunal	19241A05T0	CSE
20	G.Surya Kiran	19241A0405	ECE
21	K.Naga Siri Chandana	19241A04A4	ECE
22	Sk.Naimudden	19241A04C5	ECE
23	B.Bindu	19241A04D3	ECE
24	D.Ragavi	19241A04G0	ECE
25	R.Sai sri Sindhu	19241A04G7	ECE
26	S.Sree Dharani Reddy	19241A04F0	ECE
27	M.Kavya Reddy	19241A04E7	ECE
28	S.Chaitra	19241A04F9	ECE
29	P.Manasa	19241A04F2	ECE
30	P.Rakesh	19241A0253	ECE
31	Padmini M	19241A0221	ECE
32	R.Vaishnavi	19241A0206	EEE
33	J.Tharuni	19241A0195	EEE
34	B.Mounika	19241A0198	EEE
35	T.ChandanaSree	19241A0344	CE
36	Y.Narender	19241A0350	CE
37	E.Rohit	19241A0287	MECH
38	Suhas Peddi	19241A0449	MECH

39	D.Adithya	19241A0454	MECH
40	S.Sai Preethi	19241A05U5	ECE
41	K.Sitara	19241A0351	ECE
42	C.Harshitha	19241A12A2	CSE
43	V.Akash	19241A0280	MECH
44	Ch.Yashwanth Reddy	19241A04K9	IT
45	K.Rehanth Reddy	19241A0263	EEE
46	K.Jyothi Manohar	19241A0290	ECE
47	A.Roshan Yadav	19241A0273	EEE
48	P.Sai Teja	19241A0286	EEE
49	C.Lavith	19241A0327	EEE
50	M Harshavardhana Reddy	19241A0561	EEE
51	Pavithra	19241A0327	MECH
52	Anees Fathima	19241A0561	CSE
53	Zeha Naaz	19241A05J0	CSE
54	Manogna	19241A04E1	ECE
55	Ch.Janaladevi	19241A12O5	IT
56	K.Nikitha Reddy	19241A12E8	IT
57	M.Srija Reddy	19241A12F4	IT
58	B.Arvind Goud	19241A0409	ECE
59	B.Satwik	19241A04J1	ECE
60	D.Kruthika	19241A0479	ECE
61	Siddanth Agarwal	19241A0447	ECE
62	Akshitha Thota	19241A05H6	ECE
63	Marthala Dhanush	19241A04F1	ECE
64	K.S.S Phani Varma	19241A04E4	ECE
65	Nalluri Mohith	19241A04M1	ECE
66	K Anila	19241A0424	ECE
67	Kirit Enuga	19241A05E3	CSE
68	Nikhil Godalla	19241A0538	CSE
69	G.Lakshmi Priya	19241A0215	EEE
70	Afsha	19241A0203	EEE
71	A.Niranjan	19241A0205	EEE
72	P.Sai Keerthana	19241A0240	EEE
73	J.Saideep	19241A0222	EEE
74	Suchmitha Das	19241A0252	EEE
75	G.V.Mahati	19241A04Q3	ECE
76	V.Niharika	17241A04R4	ECE
77	G.S.V. Meghana	19241A04Q1	ECE
78	D.Vedaayas	19241A0214	EEE
79	Abhinav Chakrilam	19241A05C2	CSE
80	M.Pranit	19241A05K5	CSE

81	A.Sri Madhuli	19241A04O7	ECE
82	A.Neha Sanjana	19241A0303	MECH
83	R.Harika	19241A0455	ECE
84	S.Keerthe	19241A0458	ECE
85	Nupur	19241A0307	MECH
86	Kalhara	19241A04D9	ECE
87	G.Revathi	19241A04C7	ECE
88	G.Akhila	19241A0435	ECE
89	S.Soukya	19241A0448	ECE
90	S.Moulika	19241A04T3	ECE
91	A.Sree Vaishnavi	19241A0405	ECE
92	B.Anantha Lakshmi	19241A04P3	ECE
93	T.Rithika	19241A04T6	EEE
94	G.Gayatri	19241A04Q6	ECE
95	Sai Anurag	19241A0521	CSE
96	B.Rohan	19241A04G0	ECE
97	G.Yashwanth	19241A04H0	ECE
98	K.Saiharsha Vinay	19241A0492	ECE
99	D Eshwar	19241A0487	ECE
100	M.Arunraj	19241A04R6	ECE
101	M.Anirudh	19241A04J5	ECE
102	Ch.Neeraj	19241A04I5	ECE
103	Sindhu Sri	19241A0568	CSE
104	Ch.Vishnu Priyanka	19241A0566	CSE
105	Ch.Srirama Murthy	19241A09T6	ECE
106	Kandujuri Jeytha	19241A0323	MECH
107	Akhil	19241A04L9	ECE
108	Ch.Karthik Reddy	19241A04D0	ECE
109	G.Anjali	19241A05Q3	CSE
110	A.Abhiram	19241A0403	ECE
111	S.Siddharth	19241A04N1	ECE
112	A.Sai Varun	19241A0401	ECE
113	G.Nethra Reddy	19241A0465	ECE
114	K.Aishwarya	19241A04R0	ECE
115	M.Abhishek	19241A04R5	ECE
116	K.Tejaswini	19241A0493	ECE
117	K.S.Ananda Valli	19241A0497	ECE
118	M.Vinay Kumar	19241A04Q8	ECE
119	Md.Rizwan	19241A0415	ECE
120	A.Maithresh	19241A04I1	ECE
121	Vadra Naveen	19241A0440	ECE
122	B.Vamshi Nived	19241A04J4	ECE
123	P.Vinay Chethan	19241A04M 3	ECE
124	V.Nikhil	19241A04N8	ECE

125	Y.Nitish	19241A1260	IT
126	M.Jaswanth Sai	19241A04R7	ECE
127	K.Karthik	19241A04R3	ECE
128	Ch.Summa Tejaswi	19241A04D1	ECE
129	M.Siddhartha	19241A0381	MECH
130	Sameyakndin	19241A05G9	CSE
131	D.Akshara	19241A05D4	CSE
132	K.Lavanya	19241A0579	CSE
133	B.Kiran Sai	19241A0469	ECE
134	Y.Teja Naga Sai	19241A0391	MECH
135	G.Aakash	19241A04Q4	ECE
136	A.Uday Shankar	19241A0401	ECE
137	G.Yeelhendra	19241A04Q0	ECE
138	P.Sai Rohit	19241A0465	CSE
139	H.Saaketh	19241A0546	ECE
140	P.V.Sai Ramana	19241A04M4	ECE
141	B.Shivananda	19241A0467	ECE
142	B.Vinay Goud	19241A0471	ECE
143	Sd.Khasim	19241A04B1	ECE
144	M.Pavan Kumar	19241A04A0	ECE
145	Sk.Fayaz	19241A0471	ECE
146	G.Pratyusha	19241A0407	ECE
147	K.Kavya	19241A04R1	ECE
148	A.Priyanka	19241A0404	ECE
149	Bhavana	19241A04D1	ECE
150	Pavan Sai Kiran	19241A04D0	ECE
151	N.Ravi Pavan Sai Krishna	19241A04L2	ECE
152	K.Manasa	19241A0226	EEE
153	J.Jhansi	19241A0266	EEE
154	C.Venkateshwar	19241A0298	EEE
155	Rithwik.S	19241A05J4	CSE
156	B.Akash Reddy	19241A0564	CSE
157	A.Niketh Yadav	19241A0562	CSE
158	S Hrushikesh	19241A0486	ECE
159	G.Ganesh	19241A0480	ECE
160	Vamshidhar REddy	19241A04L7	ECE
161	Vaishnavi K	19241A0556	CSE
162	Aishwarya P	19241A0501	CSE
163	Ch. Jahnavi	19241A0511	CSE
164	A. Sahithi	19241A0502	CSE
165	Chekura Sri	19241A05P7	CSE
166	S.D.N.S.S. Manikanta	19241A05B0	ECE

167	B. Pallavi	19241A04I9	ECE
168	A. Chandrakar Babu	19241A05U2	CSE
169	K. Laxman	19241A0227	EEE
170	J. Sreevani	19241A0122	CIV
171	T. Sai Harshit	19241A04B6	ECE
172	C. Venkat Sahith	19241A0473	ECE
173	Sravani	19241A0298	EEE
174	V.S. Manasa	19241A0282	EEE
175	G. Sahithi	19241A0170	CIV
176	P. Kruthika	19241A0130	CIV
177	krishna	19241A0290	EEE
178	M. Bala Gopala Krishna Reddy	19241A0209	MECH
179	K. Sowmya	19241A0123	CIV
180	C. Pravallika	19241A0317	MECH
181	Ram P. Teja	19241A0454	ECE
182	B. Sai Bhargav	19241A1265	IT
183	G. Sai Narayana	19241A12D9	IT
184	Nagula Nikhil	19241A04R8	ECE
185	Vinay K.	19241A04A9	ECE
186	B. Sachin	19241A1234	IT
187	K. Sreekar	19241A04N0	ECE
188	Prasanthi T.	19241A0389	MECH
189	S. Bharat Reddy	19241A04G7	ECE
190	A. Santosh Reddy	19241A04E3	ECE
191	P. Manideep Reddy	19241A0456	ECE
192	P.V. Anirudh	19241A1238	IT
193	B. Amritha	19241A1211	IT
194	J. Aniketh	19241A1225	IT
195	T. Sri Chakranath	19241A1255	IT
196	Rishik Kurelly	19241A1221	IT
197	K.Varshith	19241A1226	IT
198	T.Jaya Mallika Jashnavi	19241A04N3	ECE
199	N.Sai Prasanthi	19241A04L4	ECE
230	K Sujana	19241A1223	IT
231	Sukruthi	19241A65P5	IT
232	P Ukritha	19241A1239	MECH
233	Sai Meghana	19241A1247	MECH
234	S Arun Kumar	19241A1247	ECE
235	G Nitish Reddy	19241A0321	ECE
236	Sdeshwath	19241A0343	ECE
237	P sree MahaLakshmi	19241A0450	MECH
238	B sai Sireesha	19241A04O7	ECE
239	V pranay srivdhi	19241A0401	ECE
240	I abhishish varma	19241A0461	ECE

CAREER GUIDANCE
AND
ENTREPRENUERSHIP

Every student at one point in his life feels the need to be guided by a professional. A profound discussion about the different options available to a B. Tech student, and prioritizing them according to the personal interests and capabilities with such a person has always proven to be priceless.

ISTE came up with CAREER GUIDANCE AND ENTREPRENEURSHIP seminar with this in mind. The students were made to realize and rethink their future with the excellent seminar by MR. ABHISHEK MITRA from Triumphant Institute Of Management Education.

The session was held on 23rd January 2018 for around 3 hours. A total of 1000 students registered for it, and the session itself was attended by almost 90%of the registrants, with a strong attendance by the first years. Students understood the diverse options available for them, and by the end of the session, they were able to picture themselves years after their graduation. The session included interactivity, and visual aids via a presentation, and ended with a personal conversation session where various students got their doubts clarified about their goals in life and methods to achieveit.Needless to say, CAREER GUIDANCE AND ENTREPRENEURSHIP SEMINAR had a profound impact on the mentality and attitude of the students towards their goals and they went back home with a determined mind-set to achieve them in their futureendeavors.

CODE AUCTION SEASON 2

Coding is an essential part of today's world where everything is computer driven. Codes are the things that virtually drive every other company these days. And ISTE understands that better than everyone else. Thus, this year we came up with an event called code auction season 2 after the tremendous success of season 1. Participants flocked in large numbers with around 110 students. Questions were prepared on coding and they were auctioned off to the participants who were seated in a team of 3. The auction went off very well and the participants enjoyed a lot solving the technical questions.

Winners: (132.5points)

T.Pranay, Bhanu, Maneesh

First runner up: (130.5 points)

M.Shruthi, Zareen Fatima,

G.Sushma

Second runner up: (127.5 points)

Howshikesh, P Sai Manikanth, N Revanth Reddy

INNERVE

Innerve was the first event conducted by ISTE in this academic term which was conducted from March 28thto February 4th. It was an online event filled with activities like quizzes, presentations, coding and much more. We held this event on our social media platform (Facebook) and received tremendous response. The publicity was done good and thus participants poured in for this event. There were many branch wise events to choose from and thus the participants were pretty satisfied with the spread. After the event was finished we announced the winners for the respective events and got a real positive response from the participants.

DESIGN SPRINT (2017)

We all know that projects are a major part of B-Tech life and thus team ISTE came up with this idea called the Design Sprint which was organized on August 5th. It is a platform where participants from CSE, ECE and It step their best foot forward to come up with new and innovative ideas as their projects which if chosen will be funded by ISTE. In the first round the team of participants were called and were asked to give their ideas and from those teams a few were handpicked. The selected teams were then called for an official meet where the procedure was told to them and they started working on their projects.

MECHANO AUCTION

Mechano Auction was an event which was totally inspired by its CSE counterpart. Mechano Auction was held on July 8 2017 for the students of Mechanical department. Questions were prepared at GATE level and were auctioned away starting from a minimum bid. Each set of question had a different scoring and also some questions were time bound. The teams who got the highest number of questions correct won thecompetition.

Winner - M.Parthiva (15241A0337), K.Avinash (15241A0307) Runner up - G.Rajender (16241A0377) , Siddu (16241A0392)

ISTE GRIET SB

MELA REPORT

The adventure of exploring the skills and abilities of mind; The thrill of competing with the peers around and about with similar skill sets; the experience drawing immense pleasure and fun with a competitive spirit; An apt amalgam of these is definitely an experience of a lifetime.

ISTE brought to the students, an inspiring platform to showcase the talents, and a remarkable opportunity to learn and enhance technical and creative skills all under one roof, termed MELA. Team ISTE was proud to conduct MELA, a collaborative leaning experience, exclusively to the first years, yet again, this time bigger than ever.
MELA, which stands for Music, Education, Literature, Arts is a divergent experience in all the kind of activities and a taste at the skills of a student in each sector. MELA, which brags about the bringing all the students across different branches together under one umbrella, by conducting departmental and inter-departmental events for a whole day was no less than a phenomenon.
The carnival was conducted on 6th Apr 2018 and was experienced and appreciated to its fullest by the first years, giving a magnificent total of 1826 registrations.

ISTE GRIET SB

MUSIC

Music is an art form that expresses that which cannot be said and on which it is impossible to be silent. Music gives a soul to the universe, wings to the mind, flight to the imagination and life to everything. ISTE has conducted a music event which included performance of beat boxing, singing and dancing.

The students have shown special interest in this event and they have put their best at performing in front of a huge audience. They say good music often has a wonderful effect even upon ignorant people. So our good music has attracted a huge audience that left the event extremely satisfied and remained the star of all other events.

TECHNICAL EVENTS

A technical event is nothing short of an insight into a person's own mind and an efficient way of broadening one own skillset. Every student seeks the opportunity to gain expertise in the technical skills one's recommended to have. With MELA, such students were gifted a never better opportunity at sharpening their swords by the excellent choices of technical events :

1. Snake &circuit
2. Exclude andexcel
3. Rediscover
4. Mirrorcoding
5. HTML.pure
6. Binaryludo
7. Innovative design
8. Fish marketing
9. Jumbledup
10. Simplemechanics

Every event of this category was successful and efficient at sharpening the skills of everyone who participated. The events were full of technical subject which was combined with team spirit in a competitive environment. These events at MELA saw active participation and were able to make a monumental impact of the intellect and problem-solving capacity of the students.

NON-TECHNICAL EVENTS

1. Mazerunner
2. Clever charades
3. Alphamania
4. Logo mania
5. Obstaclerace
6. Food-glorious-food
7. Crime sceneinvestigation
8. Greek forgeeks
9. Suck itup
10. Irrelevantanswers

A try at such an event guarantees a person rediscovering oneself.

The events boasted a strong number of participants showing with active participation.

Taking a part in these events happened with high spirited enthusiasm and a healthy competitive and interactive atmosphere from the students. Students were keen on showcasing their inner talents to the crowd, making the events a big success.

LITERATURE AND ARTS

Art is the abstract which only a human has the capability and opportunity to appreciate its aesthetic value. It is said, that if life is a canvas, then art is the best combination of colours one can hope for.
Literature is the broadening of a person's communicative perspective. It is the apt mixture of the logic and the beauty of a language. MELA strived to help the participants enhance their communicative skills with a good selection of activities.
MELA brought such aesthetic sense to the students by the following events-

1. Doodle making
2. Rangoli
3. Funk fromjunk
4. Mehendi
5. Splitpersonality
6. Newspaperhunt
7. Helium talks
8. Whisperchallenge
9. Pic-o-logic

Rangoli are sacred welcoming areas, their aesthetic patterns and colourful appearance warmly welcoming the outsiders, as an eye-catching invitation to an event. The carnival of MELA similarly welcomed the participants, spectators and admirers which the visually an inspiring design

ISTE GRIET SB

ISTE REPORT
2018- 2019

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- To cultivate fraternal spirit amongst the teachers, administrators, industrialists & professionals.
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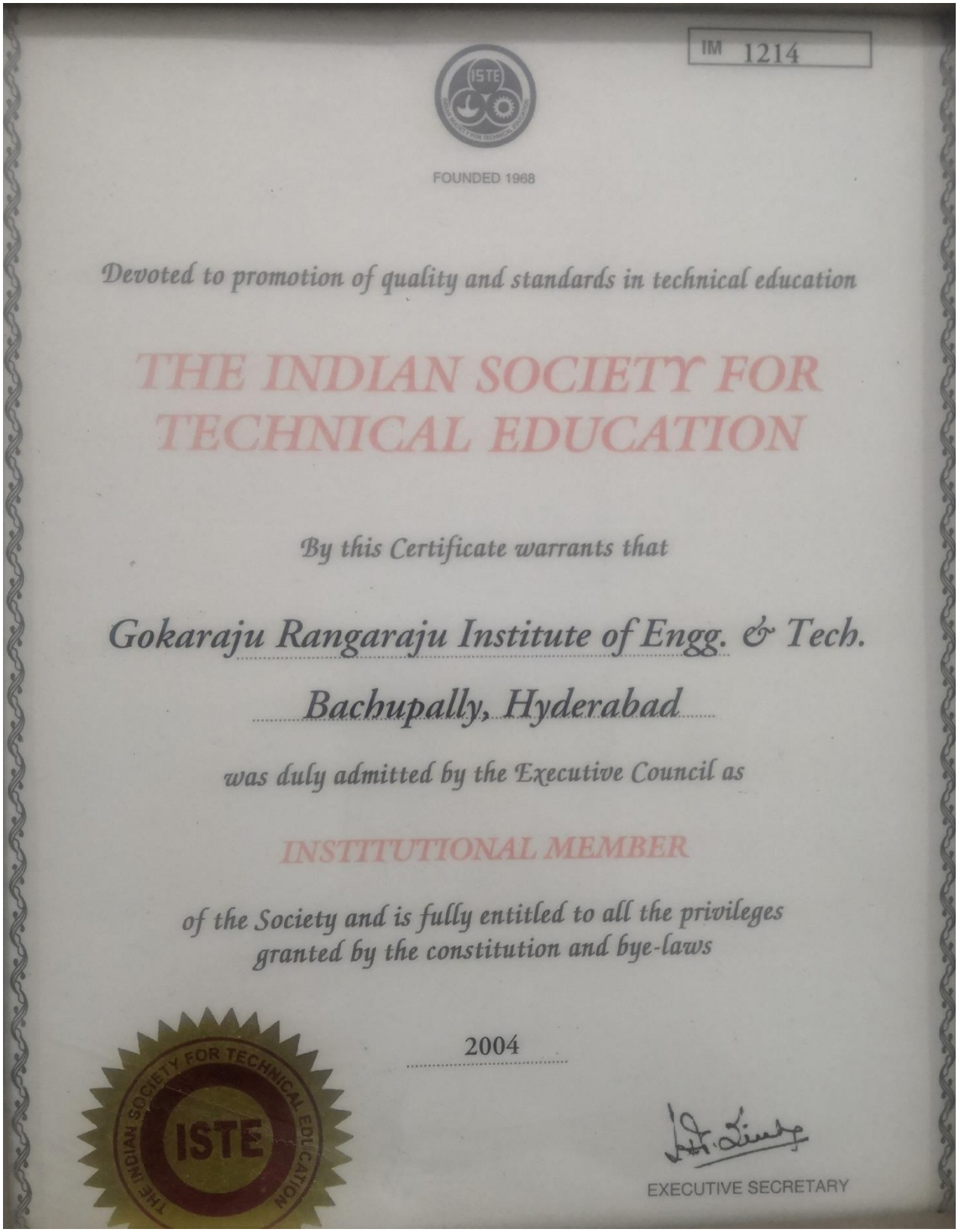
ISTE STUDENT CHAPTER



IM 1214

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By this Certificate warrants that

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Bachupally, Hyderabad

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2004

THE INDIAN SOCIETY FOR TECHNICAL EDUCATION
ISTE

EXECUTIVE SECRETARY

ISTE INSTITUTIONAL MEMB

S. no	Date		Event Name	Event Location	Number of Faculty	Number of Students
	From	To				
1.	01-08-2018	06-08-2018	Apeiron 2k18	Online Event	0	150
2	15-09-2018	15-09-2018	Code Auction Season 3	Inside Campus	0	300
3	18-08-2018	18-08-2018	Conclave	Inside Campus	0	50
6	25-03-2019	25-03-2019	MELA	Inside Campus	0	1200
7	06-03-2019	06-03-2019	Guest Lecture on artificial intelligence and robots	Inside Campus	5	70

MELA

The Indian Society for Technical Education (ISTE) student body of GRIET has conducted **MELA-a tech carnival** on 25th March 2019, which aims to provide students a platform to improve their technical skills. **MELA** stands for **Music Education Literature and Arts** as the name depicts MELA not only has technical events but also has non-technical events, music, art and literature. This fest is a platform for overall development of budding engineers.

ISTE GRIET SB has been conducting MELA from past 3 years for first years exclusively and have set a benchmark for all other student bodies in the college, MELA is organized every year annually with 30 best events which include technical, non-technical, arts and literature. This one day carnival helps the students in their overall development. ISTE MELA also has inter-branch competitions which brings out the competitive spirit in students.

An enormous majority of participants were contended with the organization of events. A prodigious amount of students were appeased with the quality of events and also the management.

MELA – 2k19 – 25th March

ISTE
MELA
2K19

TECHNICAL EVENTS

The main objective of MELA is to put forward an opportunity for the students to exhibit their technical skills. The 4th edition of MELA included 10 technical events planned and organized at its best quality. We overall had 244 participants.

The events were decided keeping the interest and need of every student.

1.Trailblazer

2.Chess Code

3.Circuit Casino

4.Simage Buildup

5.Outright

6.Return to void

7.Tech Gamble

8.Physi Relay

9.Electrospire

10.Force Shift

The basic motto of conducting all the above events was to bring out the technical knowledge, critical thinking and communication skills to a superlative level. All students irrespective of their branch showed interest and made the events successful.

NON-TECHNICAL EVENTS

A carnival is never a carnival without fun and fascinating elements in it. The 4th edition of MELA included 10 amusing non-technical events that provided students all the jubilation and divertissement.We had 272 participants for our astounding events.

1.Maze Runner

2.BBC

3.Build And Blow

4.Candyman

5.Sherlock

6.Twist Up

7.Nod-Nod

8..Radium Cricket

9.Ping Pong Bash

10.Guess the Dance

The main objective of the above events was to provide students lot of fun. They were equally planned and executed faultlessly. All the events managed to gather a large audience and left all the events extremely satisfied.

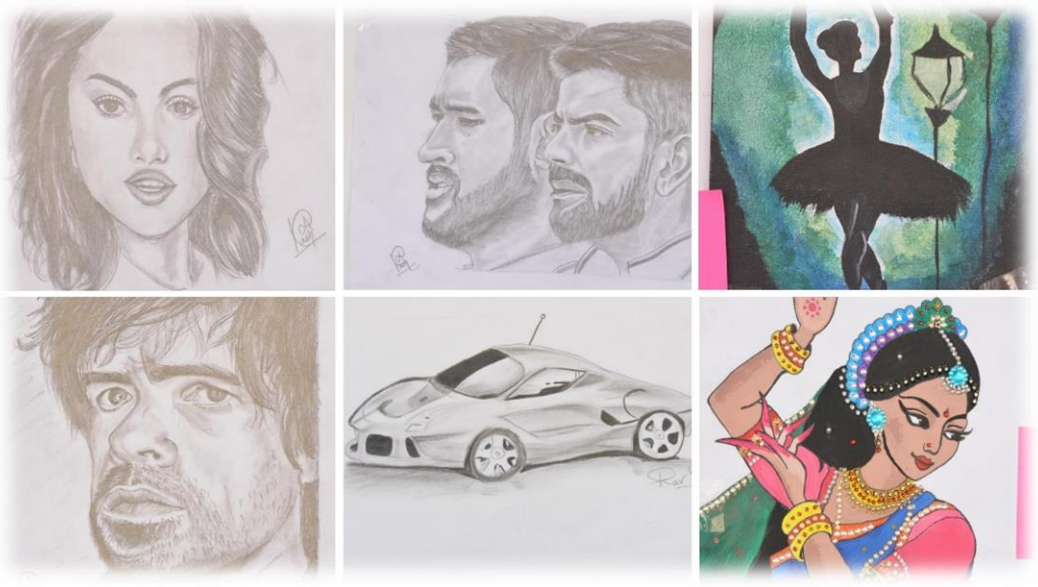
LITERATURE AND ARTS

Events under this category were conducted to bring out the camouflaged talents of students. The literature events helps in improving writing and communication skills. The Literature events of MELA had riveting events like Script Writing, Join the

Genre, Helium Talks, Irrelevant Answers, ToGather. The events like Join the Genre provided a platform for the participants to use the creative side of mind,it helped the students to improve their creative skills.

In Arts we had noteworthy events like Bulb Painting, Doodle Balloon .We had 154 participants who showcased their Literature and Art skills.

The 4th edition of MELA had an astonishing Art Gallery which received colossal amount of participants and spectators. We had 15 outstanding participants who presented their art pieces in the gallery.



Be it a college fest or a festival at home culture and traditions are always respected and encouraged,as a part of our culture we had Rangoli event as a part of MELA, it made MELA day more colourful. It was a fun event adding smiles to all our faces which heightened our energies.

MELA was conducted on 25th March, we had around 631 sprightly participants who showcased their skills. The students were really contended with the events and the work of team, they participated with huge enthusiasm, and made MELA a huge success.

PRASHANT
VINEELA
ZAFRA
ISHA
VINAY KUMAR
NEHA GORAI
NIKHI
RAHUL GOUNI
MS ANURAG
ANVESH
NAVANI
T SAI TEJASWINI
HARSHA
ECE

APEIRON 2K18

The name of the event itself means boundless, i.e., an event which had no bounds, where any engineer from any branch can take part. Aperion 2k18 was the 2nd online event conducted by ISTE in the period 1st August-6th August 2018. It had four different events under it for all the branches, thus the participants were well pleased with the different choices they got to choose. These event ideas were new and innovative which attracted a lot of participants. These four events were called,

1) E-BIZ for CSE &IT
2) E-ACTUNO for ECE &EEE
3) BUILD THE UNBORN forCIVIL
4) GRAPHICA forMECHANICAL

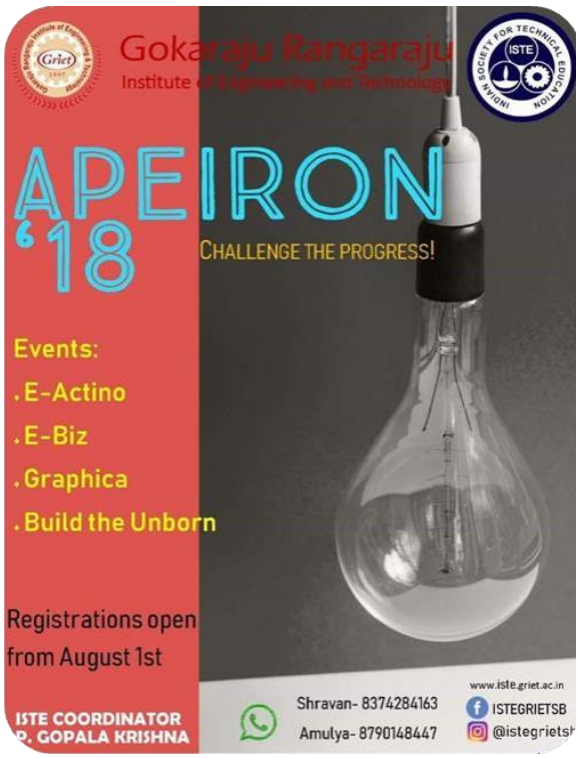
Every participant brought his/her creature genius on board and made it difficult for the judges to choose the best among so many amazing ideas given by them.

The winners for *APEIRON'18*:

E-Biz: Shailaja - 17241A1272

E-Actino: Juanita Raju - 18245A0425

Graphica: Lakshmi Deepa Tadepalli - 16241A0397



CODE AUCTION SEASON 3

Computers do not solve problems, they execute solutions.

The tremendous success of Code Auction Season 1&2 led to Code Auction Season 3.And this season brought a lot more success to ISTE in GRIET which was conducted on 15th September 2018. Now code auction will also be considered as one of the biggest event that has happened in GRIET through ISTE.

Participants flocked in large numbers, around 100 teams, i.e., 300 participants attended the event. The reason why so many of them have shown interest was the idea of auctioning on codes and also the publicity was done very well. Questions on codes were prepared and projected and the participants auctioned these questions in the 1st stage and then later executed them in their laptops during the 2nd stage. As always participants have enjoyed the auction a lot. The feedback taken at the end gave the team a lot of satisfaction, as it stated that the participants enjoyed the event thoroughly.

It was a tough take to lift out only 5 teams out of 100 as winners of the event. The Teams whichwe're declared as the winners are:

Team1:-

NOEL RAJ

17241A05F3

TARUN

17241A05E4 AKHIL

17241A05H2

Team2:-

SHUBHAM GUPTA

17241A05Z1 Y.SAI SRI

RAM 17241A05Z8 RAM

SAI JEETESH 17251A05V4

Team3:-

ABHISHEK BANDWALKER

17241A05U2 AKSHITH GOUD

17241A05X9

DHEERAJ KALYAN 17241A05Y0

Team4:-

MANISHA

17241A05E7

NAZREEN

17241A05W5

PRAVEENA

17241A05W6

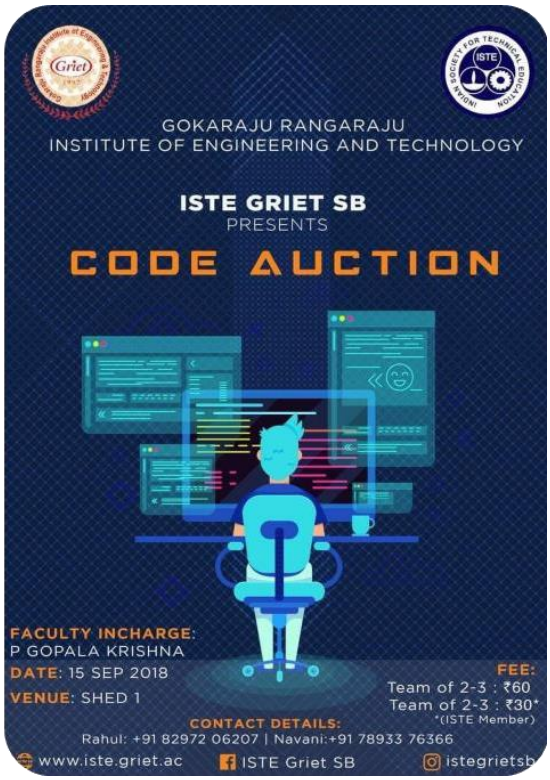
Team5:-

M.A.S. PRANAVA NINADAM

17241A05R4 R.SAI MAHESH

17241A05S9

S.ESHWAR CHAITANYA 17241A05T1



CONCLAVE

ISTE GRIET SB

Conclave was an official meeting where all ISTE student chapters from various colleges of Hyderabad were gathered to discuss the functioning of ISTE in Hyderabad and scrutinize its development in future.

Due to exams and other events in their colleges, many couldn't attend the conclave. The ISTE's core committee members of Sreenidhi Institute of Science and Technology (SNIST), VNR Vignana Jyothi Institute of Engineering and Technology, G. Narayanamma Institute of Technology and Science (GNITS) have travelled long distance to attend the conclave.

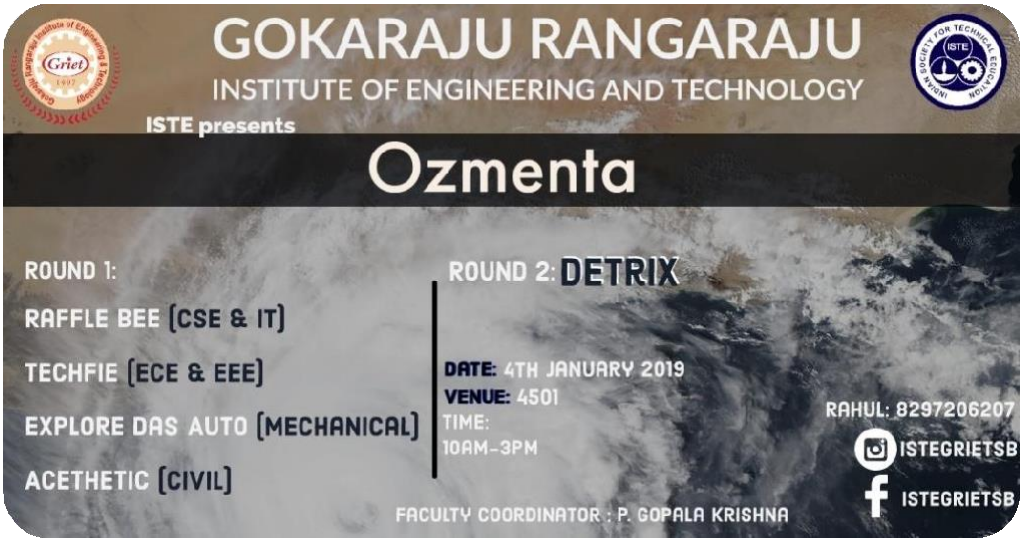
The was started with a welcome speech which also listed out few events which ISTE has conducted in GRIET. The respective ISTE members of the colleges were called out to talk about ISTE in their college and the events they have conducted till date through ISTE. Then, there was a discussion on how ISTE can take up a larger platform, i.e., a state-wide platform for its events and not to be only confined to a particular college. And at the end we have decided to come up with a bigger state level event which will be having a lot more events, competitions, seminars, workshops, speeches under it.

The conclave has worked out really well. Some great ideas were shared. We are looking forward for this first event in Telangana State to achieve a huge success and the conclave to be called the best decision taken by ISTE.

OZMENTA

ISTE started 2019 with showcase of a wide spectrum of events that encompass everything about techno-management. In the idea of making learning as easy as possible and as a part of that endeavour "OZMENTA" which is a blend of different events was conducted to bring out the best out of the studentsby taking the limits of technology a notch higher while enriching the existing ones. It provided a unique opportunity only for ISTE MEMBERS to exceed in both their technical and entrepreneurship skills.

To give our best to ISTE MEMBERS for their overall development, we conducted two rounds which had several events under them.



The round 1 had four different events for all the branches, thus the participants were well pleased with the different choices they got to choose. Therefore, many ISTE MEMBERS have shown immense interest in participating and competing with their counterparts in round 1.

Round 1 had the following events for students of their respective branches.

1.Raffle Bee (CSE/IT):

Raffle bee is otherwise called as Housie (Tambola). Participants were given housie tickets. The organizer picked the coins randomly and the participants folded the number in their ticket (when present) by answering the respective question displayed. The participant who finished folding the entire ticket numbers by giving correct answers in lesser time where qualified to round 2.

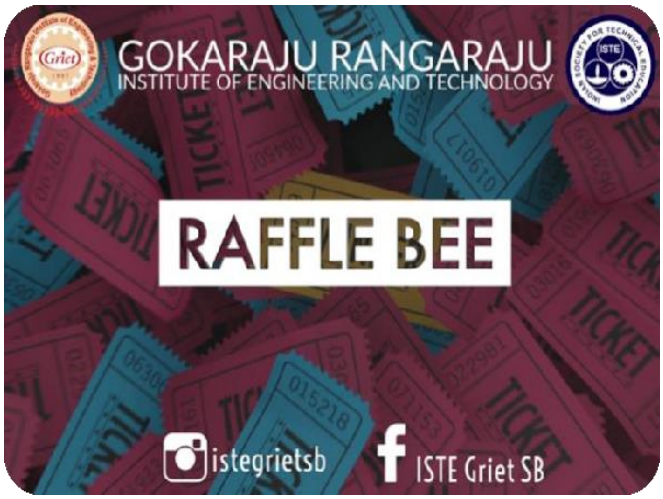
2.Techfie (ECE/EEE): In this event, participants answered the questions displayed on the board through projector, which followed the alphabetical order, i.e., the answer to the first question starts with letter 'A', second with letter 'B', the next with ‘C’ and so on. Participants will be awarded with points for every correctanswer.

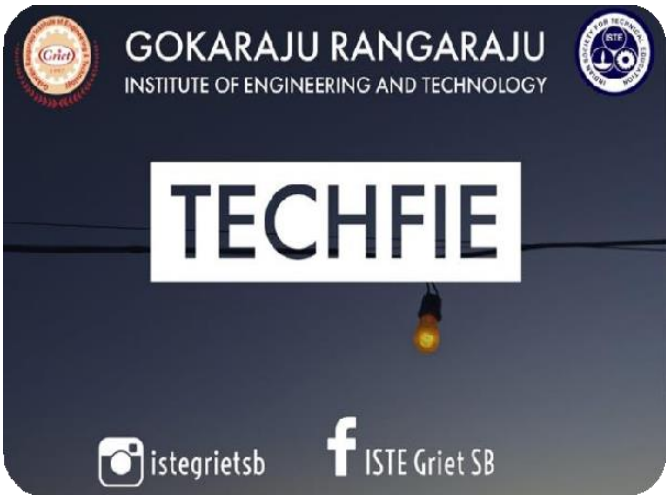
3.Explore das Auto (MECH):

Participants had to guess the logos of automobile companies and mechanical parts of engine systems.

4.Aesthetic(CIVIL):

Participants had to guess the famous civil engineers and their constructions.





ROUND 2 DETRIX:

In this round the winners from each event were divided into groups and were given problem statements related to entrepreneurship for group discussion. After group discussion, they were headed towards a debate between two of the teams to see whose approach towards the problem statements was better and how well they debated to prove their solution right. The team with strong points in debate and best approach towards the given problem statement were announced as winners and runner ups.

The event was operated successfully and the ISTE MEMBERS were delighted and felt advantageous of being a part of ISTE, as this event was exclusively conducted for ISTE MEMBERS. Students have recollected the basic technical knowledge of their respective branches in round 1 and learned how to find solutions to problem statements and how to approach a case study in a better way in round 2. Two groups which were very innovative in approaching a case study were selected and were declared as winners and runners up. As a whole,the event successfully taught the students two major skills, i.e.technical and entrepreneurship skills an engineer needs in the world of innovative and competitive spirits.

- WINNERS:-

1. M. Sai Sriya
2. A. Isha-17241A1203
3. P. Santhosh Kumar-16241A0448
4. K. Sri Harshini-17241A1287
5. B. Ramya-17241A1271
6. M. Prathima-17241A1237

- RUNNERS:-

1. R. Sai Prudhvi-
2. Chandrika Omtri
3. S. V. Shravya-17241A0454
4. G. Eshwar-17241A0277
5. K. S. Phani Tejaswi-17241A0287
6. B. Venkat Rahul-16241A0458

GUEST LECTURE

Indian Society for Technical Education (ISTE) organized a Guest Lecture on "Artificial Intelligence and Robotics" on **6th March 2019** at EEE Department seminar hall(4412). The guest speaker was Mr.Prashant Menghal, Associate Professor, MCEME, Secunderabad.

The session started by commemorating Dr. Prashant Menghal. Sir gave his introduction and started the session by interacting with the students about Artificial Intelligence and its need in today's society. Dr.Menghal defined Artificial Intelligence in a very new and interesting way which attracted the students very much. He defined AI as the intelligence exhibited by machines that can recognize human speech, object, can learn, plan and explain. Sir explained about the history of Artificial Intelligence.

He mentioned that Artificial Intelligence was termed by John McCarthy in 1956, by a famous Dartmouth Conference. Sir explained about the Typing Test Approach in AI. He also explained about the difference between human brain and an AI machine by using simple daily life examples. Then he discussed about how Artificial Intelligence researches are going on and what improvements we can do to the society by usingAI.

Dr.Menghal approached the next topic "Machine Learning". He defined Machine Learning in an innovative way that amazed students. Sir then explained about the types of Machine Learning which are categorized into three Supervised Learning, Unsupervised Learning, Reinforcement Learning. He defined them as shownbelow:

Supervised Learning: It is a type of learning that needs Supervision always, The example that Sir gave us was our professors and students, We always need supervision of our professors in our concerned subjects.

Unsupervised Learning: It is a type of learning that does not require any supervision i.e., this kind of learning is self-sufficient.The example that Sir gave us was some students who don't come to classes and who can study on their own

.

Reinforcement Learning: It is a type of learning in which we follow hit and trail method the example given by Sir was quite real he described how students actually follow a pattern of reading important questions before theirexaminations.

He explained that the Supervised Learning is mostly used in predicting the weather, Unsupervised Learning is used in Banks. Sir then clearly explained us about the limitations of Machine Learning, He explained us that the three dimensional data can't be handled by ML. Dr.Menghal then explained us the difference between Machine Learning and Deep Learning .He gave us an example saying that students need to do Deep Learning i.e., they have to know the subjects that they are studying completely but not Machine Learning i.e., just before exams.

ISE GRIET SB

Dr.Menghal gave a clear explanation about Deep Learning. We then had an interaction session where students posed their queries to Dr.Menghal, He explained them to the students with huge interest and enthusiasm.

Our faculty coordinator expressed his gratitude towards Dr.Prashant Menghal.Then our faculty Dr.V. Sridevi Mam and Vijaya Rama Raju Sir presented Dr.Menghal a token of gratitude. Students were contented by the knowledge they gained during the session. They have got an idea about Artificial Intelligence andRobotics

ISTE REPORT
2019- 2020

ABOUT ISTE

The Indian Society for Technical Education is a national, professional, non-profit making Society registered under the Societies Registration Act of 1860. First started in 1941 as the Association of Principals of Technical Institutions (APTI), it was converted into "Indian Society for Technical Education" in 1968 with a view to enlarge its activities to advance the cause of technological education .The major objective of the ISTE is to assist and contribute in the production and development of top quality professional engineers and technicians needed by the industries and other organisations. Being the only national organisation of educators in the field of Engineering and Technology, ISTE effectively contributes in various missions of the Union Government.

The ISTE at GRIET was started in the year 2004. The faculty, students andmanagement of GRIET took keen interest in establishing ISTE student chapter, GRIET. ISTE has been very active in promoting the ideals for which it was embarked. ISTE conducts various co-curricular activities which redress with the changing curriculum and educational processes. It has always tried to improve students' technical prowess, and bolster them to put their learning into practice. Every event organized brings opportunities for students to compete with their coevals in healthy spirit and become adept in what they are learning, helping them in accomplishing the ultimate goals of their lives.

MISSION

ISTE inspires educators worldwide to use technology to innovate teaching and learning, accelerate good practice and solve tough problems in education by providing community, knowledge and the ISTE standards, a framework for rethinking education and empowering learners

VISION

ISTE's vision is that all educators are empowered to harness technology to accelerate innovation in teaching and learning, and inspire learners to reach their greatest potential.

OBJECTIVES

- To formulate the general goals & responsibilities of technical education.
- To adjust curriculum & educational processes to changing conditions.
- To develop effective teachers & educational administrators.
- To improve instructional methods & practices.
- To enhance professional ideals & standards.
- To foster research as a function complementary to teaching.
- To cultivate fraternal spirit amongst the teachers, administrators, industrialists & professionals.
- To bring about effective linkage between technical institutions industry & society.

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INDIAN SOCIETY FOR TECHNICAL EDUCATION

FOUNDED 1968

Devoted to Promotion of Quality and Standards in Technical Education

This is to certify that
the Executive Council has approved the formation of an

ISTE STUDENTS CHAPTER

at

Gokaraju Rangaraju Institute of Engg. & Technology
Hyderabad

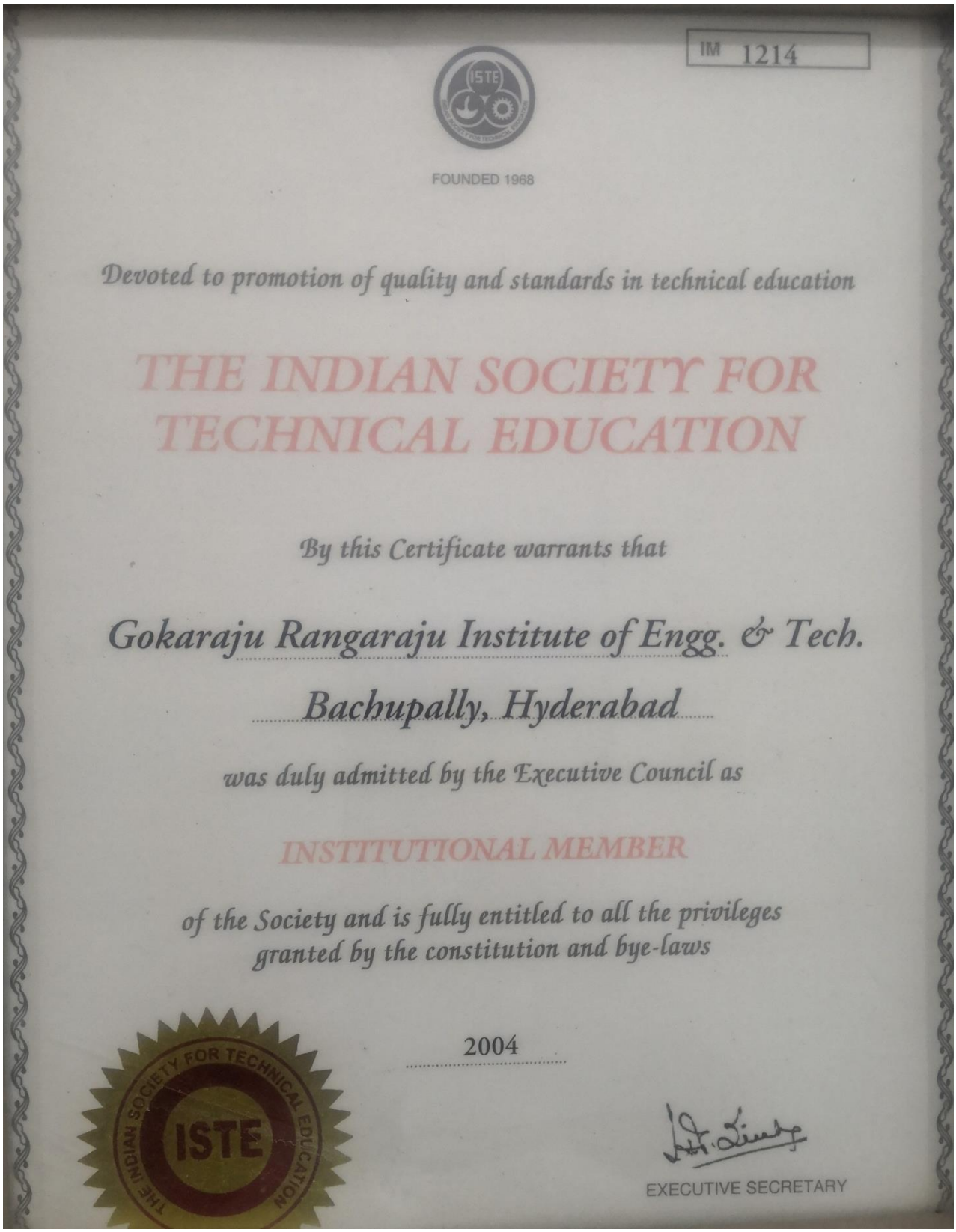
with all privileges granted by the Constitution of
the Society

2004

Indian Society for Technical Education
New Mehrauli Road
New Delhi

Executive Secretary, ISTE

ISTE STUDENT CHAPTER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FOUNDED 1968

Devoted to promotion of quality and standards in technical education

THE INDIAN SOCIETY FOR TECHNICAL EDUCATION

By this Certificate warrants that

Gokaraju Rangaraju Institute of Engg. & Tech.

Bachupally, Hyderabad

was duly admitted by the Executive Council as

INSTITUTIONAL MEMBER

of the Society and is fully entitled to all the privileges granted by the constitution and bye-laws

2004

THE INDIAN SOCIETY FOR TECHNICAL EDUCATION ISTE

EXECUTIVE SECRETARY

ISTE INSTITUTIONAL MEMB

Sno	Date		Event Name	Event Description	Page No
	From	To	ISTE TEAM	The team and their positions	
1	13-06-2019	13-06-2019	Airshow	Air Force Academy which included march-past	1-2
2	29-06-2019	29-06-2019	Work-Life Balance	A lecture on how to balance work and life stress by Dr.Swathi	3-4
3	20-07-2019	20-07-2019	Zenith	An offline event which focused on participant's technical knowledge of their core subjects	5-7
4	18-09-2019	18-09-2019	Passport Seva conduct program	To provide the students of 3rd, 4th Years and staff an opportunity of application of a new passport or renewal of the passport	8
5	25-09-2019	26-09-2019	Industrial Visit to SEBI	To explain the role of capital market were taken	9-11
6	16-10-2019	16-10-2019	Industrial visit to NRSC Balanagar	NRSC was conducting a Vikram Sarabhai centenary program which included space related academic and research programs	12-15
7	19-12-2019	19-12-2019	Combined Graduation Parade (CGP)	Air Force Academy which included march-past	16-17
8	25-02-2020	25-02-2020	Tech Talk on "IOT and LoRa"	A technical talk on "IOT and LoRa" by Prof.A.Radhanand	18-19
9	25-02-2020	25-02-2020	ISTE Gathering	The senior ISTE team were granted Letter of Appreciation, which included their post and their dedication towards ISTE.	20-22
10	14-04-2020	21-04-2020	App Rush Challenge	App rush is a event where useful applications are posted online.	23-24
11	30-04-2020	30-04-2020	NLP WEBINAR	A webinar on "NLP" by Dileep Kumar	25-26
12	2019	2019	ISTE closing Budget		

AIRSHOW

Date : 13th June 2019

Time : 8:00 A.M-11:00 A.M

Venue: Air Force Academy, Medak- Hyderabad Road,Dundigal,Telangana-500043

The Indian Society For Technical Education (ISTE) student body of GRIET has organized a trip to the "Airshow" held at Air Force Academy(IAF), Dundigal on 13th June 2019. Air Force Academy is Indian Air Force's premium and prestigious officers training establishment and the **Combined Graduation Parade (CGP)** marks the graduation of the young cadets intowell-groomed commissioned officers of the Indian Air Force. The event showcases immaculate drill movements by cadets in the parade, precision coordination and the breathtaking performance by the AirForce dare devils and Air Warrior Drill Team.

Our college is much delighted to receive the invitation from this prestigious academy and ISTE GRIET SB took this as an opportunity to thank MELA 2K19 organizers and volunteers and let them be a part of this fascinating event.

The Airshow included a colorful march-past on the ground and amazing aerobaticsin the air by various aircraft of Indian Air Force here to mark the combined graduation parade of 152 flight cadets as Flying Officers of the Indian Air Force. A total of 152 flight cadets, including 24 women, graduated as Flying Officers to join the elite cadre of the Indian Air Force.

The stimulating occasion was witnessed by the family members and friends of passing-out cadets, as well as senior serving and retired Officers from the services. Many schools and other educational institutions were also present to glimpse the Airshow. The flying officers' march-past was prominent showcasing various formations. The high point of the parade was the 'pipping ceremony' during which the graduating flight cadets were awarded with their 'Stripes' by the reviewing officer. After the 'pipping ceremony,' the Reviewing Officer gave away various awards to the Flying Officers who had excelled in training.

The spectators were delighted to witness the magnificent parade and were amazed by the spectacular movements of "Air Warrior Drill team". They were enthralled by the breathtaking aerobatic display by 'Sarang', the helicopter aerobatic team of IAF, 'Suryakiran' team and PC 7 aircraft, which was the pinnacle of the experience.

The "Airshow" - a captivating experience, an opportunity for us to perceive the dedication and effort of the aviation officers in our country and thereby acquire inspiration. The Air Show was attended by 50 students.

Fig:- Photographs of the event

Work – Life Balance session by
Dr.P.Swathi

Date : 29th June 2019
Time : 11:00 A.M-12:30 P.M

The session started with the introduction of speaker, Dr.P. Swathi, department of Psychology, Osmania University. Madam started the session by interacting with the faculty and asked few reasons for the stress caused to them. DR.P. Swathi quoted that "the only person without stress is the dead person" by Hans Selye (father of stress research), and she also gave few examples where we stress so much. DR.P. Swathi made the session very easy to understand and also tried to interact with everyone. DR.P. Swathi then classified different types of stresses which are acute, chronic, distress, eustress. She then explained about distress and eustress with lively examples which we face every day. DR.P. Swathi, then discussed about the stages of stress which are alarm stage, resistance stage, exhaustion stage briefly. She later gave a classification on types of stressors such as external and internal stressors. The main reasons for external stressors are physical environment, social interaction, organizational, daily life events, daily hassles. And also few reasons for internal stressors are lifestyle choices, negative self-talk, mind traps, self traits. Madam then explained ABC strategy for stress buster which is A=Awareness, B=Balance, C=Control. Mam discussed about how to apply this ABC strategy in daily life to reduce stress.

Madam then discussed about stress reduction methods such as meditation, proper nutrition, exercise, time management. She said that there two ways of coping which are problem focused coping mechanism and emotion focused coping mechanism and stated a quote of Jason Satterfield "the best copper is the individual who knows when to us what type of coping. Dr.P. Swathi approached the next topic which is work-life balance.

She first explained work definition which goes as work means employment and life is one' s personal lives, experiences and responsibilities. Work–life balance refers to proper prioritizing between & quot; work & quot ; (career and ambition)and & quot; lifestyle " (health, leisure, family social and spiritual development).She also said that a good balance between work and home life is when you do not go home worried about work and when you do not go to work worried about home.She then asked the audience to take a small quiz and helped the faculty to assess their work-life stresses and sheexplained the necessity to know about the things which cause stress inorder to overcome them. Dr.P.Swathi also stated the reasons for imbalances which arecompetition, individual career ambition, longer working hours and many other reasons.

She also said that stress leads to physical and mental imbalances. With a few warning signs of over stress, she explained that stress can cause dizziness, insomnia, heart pounding, shortness of breath, dry mouth. And mentally wemay have depression, anxiety, nervousness, suspicious, bored and unable to concentrate.She then explained strategies for work life balance such as don't lose the sight of priorities, don't be afraid to say no,schedule time for yourself, count your hats, take time for health, family and friends, stop being a workaholic. Madam then concluded the session with a quote of Albert Einstein which says life is like riding a bicycle, to keep your balance you must keep

moving. We then had an interaction session where faculty posed their queries to Dr.P.Swathi, she explained them with huge interest and enthusiasm.

Dr.Y.Butchi Raju Sir expressed his gratitude and thanked Dr.P.Swathi for delivering an excellent lecture and thanked ISTE faculty coordinator A. Vinay Kumar Sir and teammembers. Then our Director Dr.Jandhyala Narayana MurthySir and our Principal Dr.J.Praveen Sir handed token ofgratitude to Dr.P.Swathi. This session was attended by 100 faculty members.

Fig:-Photographs of the event

ZENITH

Date : 20th July 2019
Time : 11:30 A.M-4:00 P.M

The event Zenith was a technical event which focused on participant's technical knowledge of their core subjects and also tested participant's logical, reasoning and aptitude. The event was divided in three rounds. The first round focused on three levels of difficulty questions. The second round dealt with Logic gates and in the third round team work, competitive skills and aptitude was focused.

The event started with segregating participants of CSE/IT and ECE/EEE on two different panels. Each team consisted of two players.

The first round named as 'TECH-BOUNCE'. in this round,balls of three different colors which are green, red, black will be put in a box. The teams will start out with an account of 50 points. The participants chose a ball in each round. The color of the ball decided the difficulty and worth of the question to be solved, with Green being the easiest to black being toughest. Green question holds 5 points, Red holds 10 and Black 15 points. Green question had options while the other colors don't. If the question was answered, the worth was added to their accounts else deducted from the initial account of points. There will be 3 rounds altogether. The points at the end of 3 rounds were marked and the teams to pass the threshold mark of 20 qualify to the next round.

CSE/IT and ECE/EEE branches played separately with their questionnaires being related to their departments respectively.

CSE/IT were asked questions based on keys in DBMS, time complexity of algorithms, C++ basic concepts.

ECE/EEE were asked questions on rectifiers, resistors, capacitors, circuits, color coding etc. The points were noted and the top 12 teams were selected. The resources used where15 balls (5 of each color), A4 Sheets, projector and pens.

The second round named as 'LOGIC GATE'. In this round, a dice and a coin were given to each team. Every dice face was associated with a logic gate and every coin had head as 1 and tail 0. Then the dice was to be thrown thrice so we get three gates and coin 4 times so that 4 input we get. The third gate's inputs were determined by the 4 inputs (coin) in essence the 1st input of 1st gate and the 2nd input of the 2nd gate were the two inputs for the 3rd gate. Using the logic gates with the inputs they had to arrange the gates in such a way that we get the 1st input of 2nd gate as the final output. Each team is given 5 min. The team will be eliminated according to their performances.Thetop 8 teams were selected. The resources used weredices (5), coins(5), A4 sheets and pens.

The third round named as 'ALL ON BOARD'. In this round the participants were regrouped into teams of 4 members.

Each team was given a different topic of aptitude and were given 5 minutes of time to prepare a question. The question was prepared in such a way that it is not answerable by any other teams. The answering team was given 3 minutes to answer. The team who answered the question correctly, the answering team got the Vito power of eliminating a member from the questioning team. If they answer is wrong, the questioning team eliminated a member from the answering team. If no teams answered the question, then the questioning team had the power to choose a

team and eliminate a member. Then the chance was passed onto the next team to pose a question. After the given time, the question cannot be edited. The game continued until each team posed 3 questions.

The team with the maximum members, wins the game but at last there were two teams with same maximum members so they were asked to answer technical questions. The team who answered first won the game. The resources used were A4 Sheets and pens.

The winning team will be given Merit Certificate and free Industrial trip from ISTE Team.

The registration fee was Rs.40 for ISTE members (team of 2) and Rs.60 for Non-ISTE members (team of 2).

Pictures of the event:-

Fig:-Participants indulged in the event

Fig:-Participants preparing questions

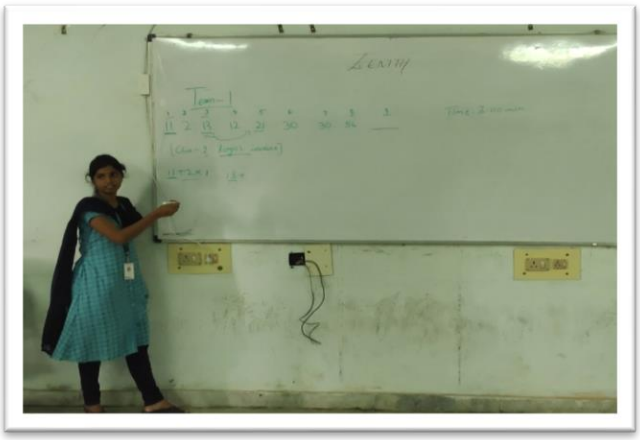

Fig:- Participant explaining answers in round 3

Fig:- Winners and Runner ups

Fig:- ISTE Team with the winners and runner ups of the event

Passport Seva Student Connect Program

Date : 18th September 2019
Time :10:00 A.M-4:00 A.M

The Indian Society For Technical Education(ISTE) of GRIETconducted the event of Passport Seva Student Connect Program on18th September 2019 in association With Tata ConsultancyServices(TCS) in order to provide the students of 3rd, 4th Years and staffan opportunity of application of a new passport or renewal of thepassport and also enable awareness of thepassport applicationprocess.

The event was handled by the initiative of TCS team with thesupport of GRIET faculty. The event started at 9:00 am where the earlysession of the event dealt with explaining students the process ofonline application. Then the students were seated according tobranches for theprocess of Documents Verification. The team of ISTEhas organized six counters with respect to individual branches to enablethe procedure for all branch students. Each counter had been presidedover by a member of the TCS team, respective branch faculty co-ordinator with the aid of ISTE Core committee member. Further fewvolunteers from various branches were designated to the course ofevent during managing the massive influx of students. The studentswere initially notified to bring the necessary documents for the verification procedure – aadhar card, 10th standard memorandum,Custodian, Pan card. The procedure continued until 4PM.

The Passport Seva Student Connect program was an initiative drivethat was organized with the intention to minimize brokerage duringproceedings at the passport office. It was a drive that has proven to bebeneficial for both the students and faculty as well. ISTE Team is glad tohave administered such an initiative and to witness many studentsutilize this possibility.

Fig : Photograph of the event

Industrial visit to SEBI

Date: 25th and 26th September 2019
Time: 9:00AM – 2:00 PM

ISTE GRIET SB has organised an industrial visit to SEBI (Securities and exchange board of India) where the interested students to learn about SEBI and its role as a regulator of capital market were taken. A presentation to impart basic understanding regarding security market was set up and the students were indulged in the discussion. The speakers very well explained us about the objectives, functions and powers of SEBI. Securities and Exchange Board of India (SEBI) is a statutory regulatory body entrusted with the responsibility to regulate the Indian capital markets. It monitors and regulates the securities market and protects the interests of the investors by enforcing certain rules and regulations. The objective of SEBI is to ensure that the Indian capital market works in a systematic manner and provide investors with a transparent environment for their investment.

SEBI caters to the needs of three parties operating in the Indian Capital Market.

- Issuers of the Securities: Companies that issue securities are listed on the stock exchange. They issue shares to raise funds. SEBI ensures that the issuance of Initial Public Offerings (IPOs) and Follow-up Public Offers (FPOs) can take place in a healthy and transparent way.
- Protects the Interests of Traders & Investors: It is a fact that the capital markets are functioning just because the traders exist. SEBI is responsible for safeguarding their interests and ensuring that the investors do not become victims of any stock market fraud or manipulation.
- Financial Intermediaries: SEBI acts as a mediator in the stock market to ensure that all the market transactions take place in a secure and smooth manner. It monitors every activity of the financial intermediaries, such as broker, sub-broker, NBFCs, etc

Securities and Exchange Board of India has the following three powers:

Quasi-Judicial: With this authority, SEBI can conduct hearings and pass ruling judgements in cases of unethical and fraudulent trade practices. This ensures transparency, fairness, accountability and reliability in the capital market. SEBI PACL case is an example of this power.

Quasi-Legislative: Powers under this segment allow SEBI to draft rules and regulations for the protection of the interests of the investor. One such regulation is SEBI LODR (Listing Obligation and Disclosure Requirements).

Quasi-Executive: SEBI is authorised to file a case against anyone who violates its rules and regulation. It is empowered to inspect account books and other documents as well if it finds traces of any suspicious activity.

The students were also told about the certification courses offered by SEBI. The School for Certification of Intermediaries (SCI) at NISM is engaged in developing certification examinations for professionals employed in various segments of the Indian securities markets. These examinations are being developed by NISM as mandated under SEBI (Certification of Associated Persons in the Securities Markets). Any student irrespective of the branch and course is eligible to write the certification exams.

Students who were having doubts regarding this got it clarified by the speakers. Overall,the session was interactive and very informative.

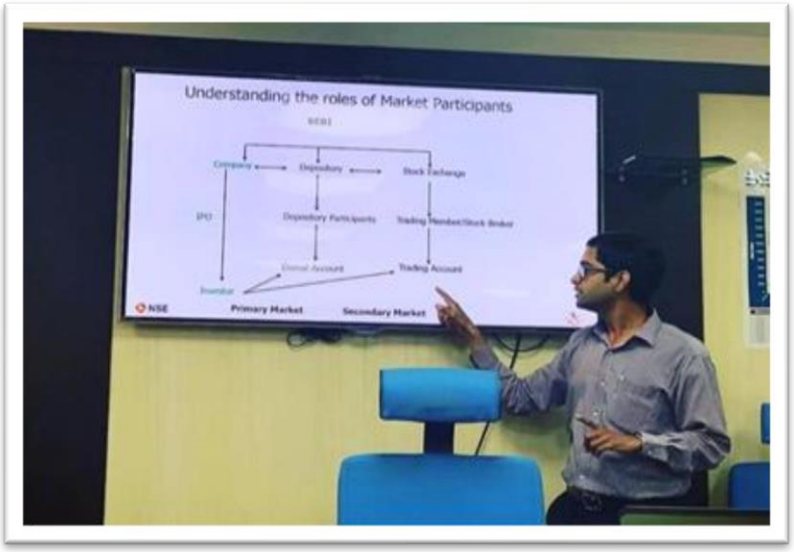

Fig 1: The speaker explaining about stocks

Fig 2: The students indulged in the session

Fig 3: ISTE team with the students

Industrial visit to NRSC,Balanagar

Date : 16th October 2019
Time : 9:00AM – 1:00 PM

ISTE GRIET SB has organised an industrial visit to NRSC Balanagar. ISRO has planned for a yearlong programme for commemorating the birth centenary of its founder father Dr. Vikram A Sarabhai and a programme named Vikram Sarabhai Centenary Programme was held at NRSC Balanagar. The programme includes exhibitions, competitions to school children, journalism awards and speeches by eminent personalities. The two-hour inaugural programme also comprised of several events, including the unveiling of a commemorative coin as well as the inauguration of a 'Space on Wheels' exhibition inside a bus.

Fig 1: NRSC

NRSC is responsible for remote sensing satellite data acquisition and processing, data dissemination, aerial remote sensing and decision support for disaster management. NRSC has a data reception station for acquiring data from Indian remote sensing satellites as well as others. This also has the mandate for establishment of ground stations for receiving satellite data, generation of data products, dissemination to the users, development of techniques for remote sensing applications including disaster management support, geospatial services for good governance and capacity building for professionals, faculty and students.

Fig 2: Data Acquisition

NRSC Ground station acquires Earth Observation data from Indian remote-sensing satellites as

well as from different foreign satellites. NRSC is also engaged in executing remote sensing application projects in collaboration with the users. The Aerial Services and Digital Mapping (ASDM) Area provides end-to-end Aerial Remote Sensing services and value-added solutions for various large scale applications like aerial photography and digital mapping, infrastructure planning, scanner surveys, aeromagnetic surveys, large scale base map, topographic and cadastral level mapping, etc.

Regional Remote Sensing Centres (RRSCs) support various remote sensing tasks specific to their regions as well as at the national level. RRSCs are carrying out application projects encompassing all the fields of natural resources. RRSCs are also, involved in software development, customisation and packaging specific to user requirements and conducting regular training programmes for users in geo-spatial technology, particularly digital image processing and Geographical Information System (GIS) applications.

Satellites:

The exhibition also included the information of the satellites launched by ISRO.ISRO has also launched a set of experimental geostationary satellites known as the GSAT series. Kalpana-1, ISRO's first dedicated meteorological satellite, was launched on a Polar Satellite Launch Vehicle .ISRO also launched the Indo-French satellite SARAL on 25 February 2013. SARAL (or "Satellite with ARgos and AltiKa") is a cooperative altimetry technology mission. It is being used for monitoring the oceans' surface and sea levels. AltiKa measures ocean surface topography with an accuracy of 8 mm, against 2.5 cm on average using altimeters, and with a spatial resolution of 2 km.

Fig 3: Satellite Launch

Seven wonders of universe:

- Pulsars: Cosmic clocks
- Black holes
- Gravitational lens
- Cosmic Microwave background radiation
- Gamma ray bursts
- Quasars
- Dark matter

Nuclear Fuel Complex:

The **Nuclear Fuel Complex** (NFC) was established in 1971 as a major industrial unit of India's Department of Atomic Energy, as a nuclear power plant also specializing in supply of nuclear fuel bundles and reactor core components. It is a unique facility where natural and enriched uranium fuel, zirconium alloy cladding and reactor core components are manufactured under one roof. NFC products are supplied to the Department of Atomic Energy, the Indian Navy, Hindustan Aeronautics Limited and other defence organisations, as well as chemical, fertiliser, and ball bearing industries. NFC is planning to establish two major fuel fabrication facilities to meet the expected jump in nuclear power production.

Fig 4: NFC

Fig 5: Photographs of the Visit

Combined Graduation Parade (CGP)

Date: 19th December 2019
Time: 8:00 A.M-11:00 A.M
Venue: Air Force Academy, Medak- Hyderabad Road, Dundigal, Telangana-500043

The Indian Society For Technical Education**(ISTE**) student body of GRIET has organized a trip to the "**Airshow**" held at AirForce Academy(**IAF**), Dundigal on **19th December, 2019**. Interested 2nd and 3rd year students from all departments along with M.Tech students were taken to the airshow.

The Airshow included a colourful march-past on the ground and amazing aerobatics in the air by various aircraft of Indian Air Force here to mark the combined graduation parade of **152** flight cadets as Flying Officers of the Indian Air Force. A total of 152 flight cadets, including 24 women, graduated as Flying Officers to join the elite cadre of the Indian Air Force.

The stimulating occasion was witnessed by the family members and friends of passing-out cadets, as well as senior serving and retired Officers from the services. Many schools and other educational institutions were also present to glimpse the Airshow.

The flying officers' march-past was prominent showcasing various formations. The high point of the parade was the 'pipping ceremony' during which the graduating flight cadets were awarded with their 'Stripes' by the reviewing officer. After the 'pipping ceremony,' the Reviewing Officer gave away various awards to the Flying Officers who had excelled in training.

The spectators were delighted to witness the magnificent parade and were amazed by the spectacular movements of "Air Warrior Drill team". They were enthralled by the breathtaking aerobatic display by 'Sarang', the helicopter aerobatic team of IAF, 'Suryakiran' team and PC 7 aircraft, which was the pinnacle of the experience.

The "Airshow"a captivating experience, an opportunity for us to perceive the dedication and effort of the aviation officers in our country and thereby acquire inspiration. The Air Show was attended by 26 students and 3 faculty members.

Fig 1: Students attending the Parade

Tech Talk

Date: 25th February 2020
Time: 10:30 AM-11:30 AM

The Indian Society For Technical Education (**ISTE**) of GRIET conducted a technical talk on "IOT and LoRa" by Prof.A.Radhanand, of Electronics and Communication Department on **25th February 2020** in order to enlighten the students of **3rd, 4th Years and staff** in the fields of IOT and LORa which are the trending technologies used in the fields of electronics and computers which have vast application and reduce human power.

The event started with introduction of Speaker A. Radhanand. The session started at 10:30 AM which was attended by students and also faculty of Electrical and Electronics Engineering Department. Sir started the talk by telling the importance of Internet of things. **IoT is a network in which all physical objects are connected to the internet through network devices or routers and exchange data**. It allows objects to be controlled remotely across existing network infrastructure. He mentioned that it is a good and intelligent technique which reduces human effort as well as easy access to physical devices. This technique also has autonomous control feature by which any device can control without any human interaction. He then explained about **LoRa, short for long range which is a spread spectrum modulation technique derived from chirp spread spectrum (CSS) technology**. These devices and wireless radio frequency technology is a long range, low power wireless platform that has become the de facto technology for Internet of Things networks worldwide.

Sir explained that LoRa range is 7 to 20 square feet and is available in frequencies of 433, 868 and 915 MHz. Ra02 433 is the module used for LoRa and this module and microcontroller can be interfaced in slave master configuration in which microcontroller acts as master and LoRa acts as Slave. Sir explained that a gateway acts as medium between LoRa and Wi-Fi, Heltech is one such gateway. The application of LoRa is we can push data into cloud in IOT based systems. Arduino IDE has in built libraries of LoRa and we mut know the security key and URL. The advantage of LoRa over other platforms is that it consumes less power, has long range and more battery power.

We then had an interaction session where students posed their queries to Radhanand Sir, he explained them with huge interest and enthusiasm. He also showed his project which is prepared using IOT and LoRa technology. This project was about smart soil sensor of GRIET. Dr.J.Sridevi, Head of the Department, EEE Department expressed her gratitude and thanked A.Radhanand for delivering an excellent lecture and also thanked ISTE faculty coordinator A. Vinay Kumar Sir and team members. Then our Director Dr.Jandhyala Narayana Murthy Sir and our Head of the Department Dr.J.Sridevi madam handed token of gratitude to Prof.A.Radhanand.

Fig 1: Students and faculty indulged in the talk.

Fig 2: Students interacting with Sir and presenting Sir with token of gratitude.

ISTE Gathering

Date: 25th February 2020
Time: 11:30 AM-1:00 PM

The Indian Society For Technical Education (**ISTE**) of GRIET conducted ISTE Gathering on **25th February 2020** to recognize their distinguished contribution to ISTE student body. They were granted Letter of Appreciation which included their post and their dedication towards ISTE.

The event started with the introduction speech by our faculty co-ordinator A, Vinay kumar Sir. Sir told about the start of ISTE, which included Mission, Vision and Objectives of ISTE. The events conducted by ISTE in each term were categorized. The main events conducted by ISTE on large scale were highlighted like MELA, the flagship event of ISTE. Code Auction was conducted three times and was always successful. Students were taken to Air Show Academy, NRSC ISRO which provided students with immense knowledge about the space. ISTE Team also conducted Passport Seva - Conduct Program which provided opportunity to students and staff about the application and renewal of passport. Sir also spoke about the diagnosis test ISTE meet made using Python and Data Science under the guidance of Y.Buchiraju, Department of Psychology, GCC. Sir then told about the future events which are Project Expo and Collab Learn which will guide students to prepare more projects. The Awards given to our Prinicpal, Dr.J.Praveen Sir and our Director Dr.Jandhyala Narayana Murthy Sir was highlighted and also the award for the best student was given by ISTE TS SECTION. Then Dr.J.Sridevi, Head of the Department, EEE congratulated the senior team for their works and also motivated the new junior team to be committed to the team and work with enthusiasm.

Buchiraju Sir thanked the whole ISTE Team as the diagnosis test was done successfully with perfection and so the Junior team were provided with certificates and rewarded with a cash prize of Rs.1000 by our Director Dr.Jandhyala Narayana Murthy Sir, our Head of the Department Dr.J.Sridevi madam, our faculty-coordinator A.Vinay Kumar Sir and Buchiraju Sir. Then our director Dr.Jandhyala Narayana Murthy Sir gave his precious ideas to the new team. He instructed was to conduct guest lectures and Industrial Visits every month which will educate the students. He told that every department students of same boy and girl ratio should be a part of ISTE which will strength it and become a professional student body of all departments. He advised us to conduct project expo which would be a competition for best mini and major projects which would be sponsored by Sir.

The letter of Appreciation was provided to the ISTE TEAM indiviually by our Director Dr.Jandhyala Narayana Murthy Sir, our Head of the Department Dr.J.Sridevi madam, our faculty-coordinator A.Vinay Kumar Sir.

Fig 1: The speeches by the professors

Fig 2: ISTE TEAM awarded by Letter of Appreciation

APP RUSH CHALLENGE

Date: 14th April 2020

The Indian Society For Technical Education (**ISTE**) of GRIET conducted App Rush event which started on 14th April. The country has been locked down from 23rd March 2020 to not get in contact with the Corona Virus which has been spreading all over the world. The lockdown has been extended till 3rd May 2020 to continue social distancing.

The lockdown has given students an opportunity to do something creative or learn new hobbies or any core subject. The students are using the same applications which are Instagram, Whatsapp, Facebook and Youtube. Students spend most of their time using these apps and there is nothing effective to learn.

ISTE Team came up with an idea of App Rush where every day two videos are uploaded on the Instagram account of ISTEGRIET. These videos are made by the ISTE Team which included a new app discovered by us. These apps were consists of different learning things and also related different hobbies. The application discovered are **"Solo Learn"** by **Thalla Rohith**, this app helps to learn new programming languages, web development languages. It also consists of coding challenges and a platform where doubts related to code are solved.

The **"Beaker"** application by A.Chandra Mouli, this application is a fun app where different chemicals can be mixed by turning the phone. **"Any Books"** by Pratyusha this application consists of many numbers of books which are of different genres. Few books can be free and few should be bought. The application **"LibriVox"** by Santosh Sanjeev this is also a books apps. This application has an advantage that the book is present in both audio and book document. **"Medium"** by Sri Lakshmi Vardini, this consists of smart stories and ideas. People can write different stories which can inspire many people.

"Daily petrol diesel price update in India" by Rohit Sai, this application is one stop for daily fuel price update in India. An application **"stuMagz"** by Sri Lakshmi Vardini, it is a student privilege program app which helps to discover student offers, interships and events. **"Quizup"** by Vineet Singh is an application that is fun, addictive, challenging, online trivia, that has the best of two worlds. There are many different topics present in the app on which the quizzes are made**. "My Fitness Pal"** by Savitha Salunke, this applicaton is used to follow workouts and proper diet for a health.

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“Justin Guitar” by Siddanth Agarwal, this is an ultimate guitar app to get started and learn how to play, whether you are picking up the guitar for the first time or have been playing for a while. **“Compiler”** by Sreeja is an application to compile and run the programs for C, Java, C++, MySQL and many more languages.

These are the applications discovered by the ISTE team for the benefits of students and it can help students to use more new applications.

The application discovered are **“Solo Learn”** by Thalla Rohith, this app helps to learn new programming languages, web development languages. It also consists of coding challenges and a platform where doubts related to code are solved.

The **“Beaker”** application by A.Chandra Mouli, this application is a fun app where different chemicals can be mixed by turning the phone.

NLP WEBINAR

Date: 30th April 2020
Time: 10:00 AM-12:00 PM

The Indian Society For Technical Education (**ISTE**) of GRIET conducted a webinar on "Chat Bot Development using NLP" by Mr. Dileep Kumar .G ,Data Scientist at Sudiksha Analytics and Secretary , IEEE Computer Society , Hyderabad Section ; on 30th April 2020in order to provide the students with a brief knowledgeable session on NLP, one of the prominent role players in AI.
The session started at 10:00AM with the introduction of the speaker. Students , who have registered through the Google forms , have attended the online session on CISCO WEBX platform. Mr. Dileep started the session with a crisp discussion on what *Natural Language Processing* is and it's importance and role in making Artificial Intelligence more reliable for business and more reachable for users over the world.

He mentioned how it can reduce the efforts and assist the users and answer them by analysing their opinions and emotions much closer to a man in the place, with the help of various algorithms available and this is how, chat bots are now replacing human call services , reducing the costs and efforts and at the same time increasing availability of services to the users, which was then a bit difficult, and thus gaining user-satisfaction. It can also be used to help disabled people , fix your spelling or grammar, grade exams, document or reinvigorate indigenous languages , etc. He remarked about it's utilization in reading data and making suitable predictions.

Sir mentioned it's employment in translating documents from one language to the other , with Google Translate as a live example for the same. The session, then moved towards the discussion on some of the key applications of NLP in 2020 like , Text Classification, Sentiment Analysis, Machine Translation, Speech Recognition, Chatbots and Spelling Correction or Suggestion.
Sir then , discussed about some open source libraries available , which provide the algorithmic building blocks of NLP in real-word applications, where the response time of the system is crucial and should be accurately predictable. Apache OpenNLP, Stanford NLP, MALLET, SpaCy, Natural Language Toolkit (NLTK) are some open source libraries available.

NLTK is most usable and mother of all NLP libraries that provides modules for processing text, classifying , tokenizing, stemming, tagging, parsing, and more. It provides easy-to-use interfaces to over 50 corporate and lexical resources such as WordNet, along with a suite of text processing libraries for:

- Tokenization
- Classification
- Stemming
- Tagging
- Chunking
- Parsing
- Logical semantics

Sir later explained about Text Processing, which intends to derive useful information from text by considering some real-time scenarios. He divided each case study into Analyze, Identify and Model.

Sir explained in detail about the NLP tasks such as Sentence Tokenization, Word Tokenization, Word Stemming, Filtering Stop Words, Parts-Of-Speech Tagging and basic terms like Corpus, Tokens, Ngrams ,etc.

The practical part of the session was much more enthusiastic. He first explained in brief about how to install NLP libraries and also executed some codes in Jupyter compiler to show how each function works, this helped in better understanding of the concepts. Then he has shown the practical side of almost everything he explained, like how each algorithm is implemented using python.

Sir then built a simple Chat Bot using NLP and Python and explained about each and every detail which increased the enthusiasm of students to work in this direction. Later he conclude the session by revising the topics discussed in brief.

The students then interacted with him with so much enthusiasm and asked their doubts , which he cleared with patience and encouraged students to go through various websites which provide information regarding NLP and practice what he taught and do projects.

The webinar ended at 12:00PM , after the students thanked him for the knowledgeable session.

Mr. Dileep Kumar .G , Speaker of the event.