JULY-DECEMBER
EDITION
2021

GeM

GRIET e Magazine

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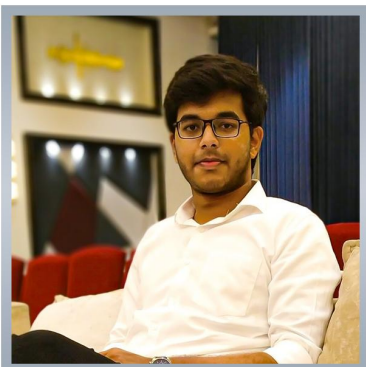Dr. K Kavitha
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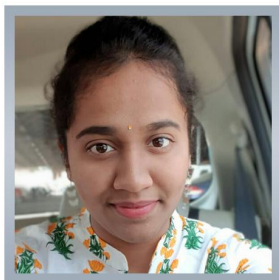
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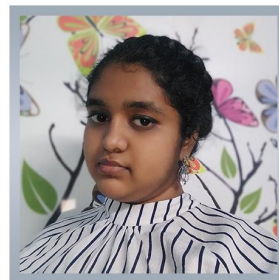
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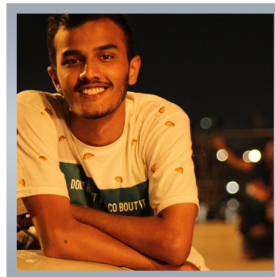Sanjana
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ANNUAL DAY 2021

Annual Day 2021 was a milestone for Gokaraju Rangaraju Institute of Engineering and Technology as the college celebrated its Silver Jubilee of continued Academic Excellence. The event was conducted virtually through Zoom Meetings on 17th July 2021.

For the 24th Annual Day Celebrations we were graced with the presence of Chief Guest, Dr. K. Vijaya Kumar Reddy, Director, Research and Development-JNTU and Guest of Honour, Ms. Tejinder Kaur Sethi, Director, Campus Recruitment Head-Capgemini. From the college, the Presiding Officer was Sri G. V. K. Rangaraju, Vice President-GRES, Sri M. G. Sekharam, CEO-GRES, Dr. Jandhyala N Murthy and Director-GRIET Dr. J. Praveen, Principal-GRIET.
The event was hosted by Ms. K Shreya Reddy and Mr. Thanay, students of CSE Department. The event was kicked off with a Prayer Song by Mr. Tarang from Rhythms Club while the guests lit the lamp symbolising an auspicious start. The event subsequently then welcomed all the guests and the Presiding Officer welcomed the guests and gave his remarks where he spoke of GRIET's achievements such as the NAAC Grade of A++ and a NIRF Ranking of 172 in 2020. Then the Annual Report which was a compendium of GRIET's achievements and advancements for the last academic year, was presented by the Principal of GRIET.

The event continued as the Chief Guest and the Guest of Honour addressed all who were present. The Guest of Honour, Ms. Tejinder Kaur Sethi addressed the uncertainty around current times, how it affects students and the corporate employees and inspired students to pick up skills and hobbies that would help them develop and grow as people. The Chief Guest, Dr. K. Vijaya Kumar Reddy encouraged teachers and students alike and also spoke of the importance of Alumni.

The last talk was given by Sri M. G. Sekharam who expressed his delight for the celebrations and talked of the past year and a half of pandemic made it difficult for the Educational Sector and how it challenged sector and obviously the people as well.

He addressed how students have adapted to learning online and how the teachers have adjusted their teaching methodologies to fit the online mode of teaching and how he looks forward to in-person learning to begin again.Then the event proceeded as the Endowment Awards were awarded for academic Excellence to students in each year for the branches Civil Engineering, CSE, ECE, EEE and IT. Here is the enclosed list of all awardees:
JSL Memorial Endowment Awardees
• D Sai Vikas Reddy, 18241A0376, Mech Dept
• Jangam Chaitanya, 18241A0219, EEE Dept
Adapa Krishnaiah Memorial Endowment Awardees
• Alampally Sai Srujan, 19241A0306, Mech Dept
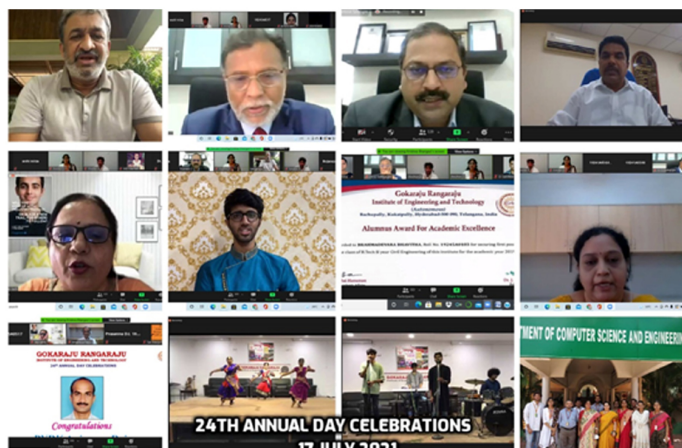
Vadlamudi Ramanaidu Memorial Scholarship
• B. Venkata Sai Nithin, 19241A04C8, ECE Dept
• G. Sai Venkata Meghana, 19241A04Q1, ECE Dept
Mrs & Mr. Mastan Endowment Award
• D. Sai Rachna, 17241A0113, Civil Dept
• Gandloju Sathwik, 17241A0115, Civil Dept
• Kuppireddy Shravani, 17241A0183, Civil Dept
Alumnus Award for Academic Excellence
• B. Bhavitha, 19245A0103, Civil Dept
• S. Vyshnavi, 18241A04G9, ECE Dept
• Manchala Manish, 18241A0593, CSE Dept
• T. Sai Sravya, 18241A05H2, CSE Dept
• D. Lakshmi Prasanna, 19241A12E1, IT Dept

24TH ANNUAL DAY CELEBRATIONS 17 JULY 2021

In addition to awards for the students the Supporting Staff who aid students and teachers to have a better experience in Labs and Administration Branches with their expertise. The awards are as enclosed below:
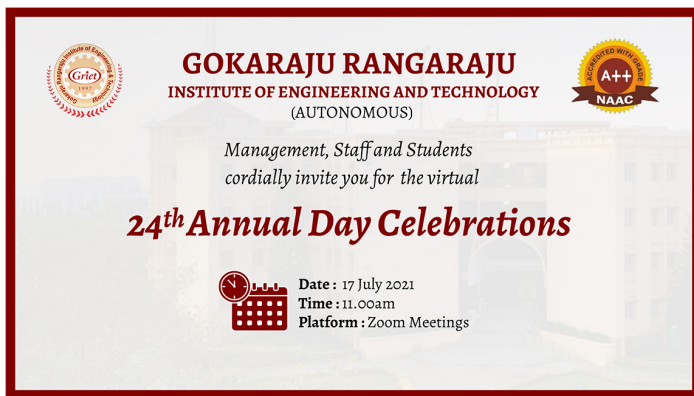
Best Supporting Staff (Admin)
G. Mahesh, ID No. 1165, Admin Dept
Best Supporting Staff (Technical)
P. V. R. K. Anjaneya Raju, ID No. 158, Mechanical Engineering Dept

After the awards distribution the Rhythms Team gave various performances including a Performance by their Band, Retrieve and a performance by Team Invincibles, who danced in a classical unison with modern songs. A Vote of Thanks followed the performances and was given by Dr. K Madhavi, HoD CSE Department-GRIET. After this the National Anthem was played after which the event was closed.

SAMMELAN ALUMNI MEET 2021

Saammelan, GRIET's Alumni Meet was held on the 18th of December 2021. As the adults who graduated from this college entered the college they were probably hit with a rush of memories of how they spent their days within the compound of Gokaraju Rangaraju Institute of Engineering and Technology, their college.

As the alumni filled the seats a full blow program was awaiting them. The event as all events do was kicked off with the Prayer Song followed by a Welcome Address by Sri M. G. Sekharam, CEO-GRES. Followed by speeches by the alumni. After this the Chief Guest, Sri M. V. Satya Sai Karthik, IPS, addressed all who were present. This address was followed by an Awards Distribution to the Best Alumni Students.

A performance by the Cultural Club, rhythms followed next with a passionate performance from the dance team. Following the performance a Vote of Thanks was given by the Dean of Student Affairs, Dr. N. Sateesh.

The event was emotional especially to those who had missed their last year of college due to the Pandemic. The collectively response seemed to be "Ah! It's been so long!". We look forward to see more of our Alumni participating and attending the college maintaining strong bonds with their youth and the future.

SANKALP 2021-ORIENTATION DAY

Sankalp 2021 is Gokaraju Rangaraju Institute of engineering and Technology Orientation Day. The orientation program was held from the 29 th of November 2021 to 3 rd December 2021. The dates corresponded to such orientations for students who joined the college along with their parents and guardians.

On 29 th November branches Computer Science and Business System, CSE(Artificial Intelligence and Machine Learning) and CSE(Data Science) had their inductions. On the 30 th of November it was induction day for Computer Science and Engineering students. On the 2 nd of December orientation was held for students joining the branches Electronics and Communications and Information Technology. And the 3 rd of December there were orientation for students who joined Mechanical Engineering, Civil Engineering and Electrical and Electronics Engineering.

The orientation for all the branches followed a similar patter with a Welcome Address, Jyothi Prajwalana and the Prayer Song followed by presentations from the Principal, Dr. J Praveen, the HoD of the Basic Science and Humanities Department and respective HoDs of the branches.

This year the address was given by Sri M. G. Sekharam, CEO-GRES. He talked about the youth, the pandemic and how the students can grow and learn at GRIET. After the speech the dais was opened for queries in which many parents and students asked
their doubts about studies, Extra-curricular activities, condition of Online Classes in case of a lockdown being imposed due to the pandemic, placements and much more.

Presentations from The CEO, Sri M. G. Sekharam, The Principal, Dr. J Praveen, The HoD of BSH Dept, Dr. G. Patrick and the HoD of CSE Dept, Dr. K. Madhavi

Presentations from The CEO, Sri M. G. Sekharam
Principal,The Principle, Dr. J Praveen, The HoD of
BSH Dept, Dr. G. Patrick and The HoD of AI&ML
Dept, Dr. G. Karuna

Presentations from the CEO, Sri M. G. Sekharam,
The Principal, Dr. J Praveen,The HoD of BSH Dept,
Dr. G. Patrick, The HoD of ECE Dept, Dr. V. Hema
Bindu and TheHoD of IT Dept, Dr. N. V. Ganapathi

Presentations from Tge CEO, Sri M. G. Sekharam,
Principal,The HoD of BSH Dept, Dr. G. Patrick and The
HoD of TheCivil Dep, Dr. C. Lavanya, The HoD of EEE
Dept, Dr. B. Phaneendra Babu and The HoD of Mechan-
ical Dept, Dr. B. Tanya
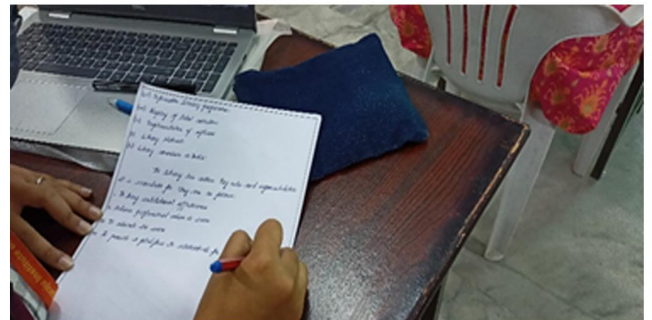
INDEPENDENCE DAY CELEBRATIONS
AT OUR COLLEGE

Just like every other year, the higher management along with the faculty hoisted our national flag near the Amphitheatre in our college in the morning. This year, and the year before this, not many could gather in our college for celebrating our Independence Day due to Covid restrictions. I do not know if interested or over enthusiastic students also joined the flag hoisting before Covid as I haven't seen much during my years here again courtesy of Covid-19, but I'm assuming they did, all the HODs and the Executive Board Members of the student bodies and of course all of the higher management staff and others.

LIBRARY WEEK

Elocution Competition:

Spirals conducted the Elocution competition for the topic "Usefulness of Library to Engineering Students" on 17th November in 3rd Block. 15 students participated and gave their best to win the competition. 2 judges were assigned to announce the winner. Every student expressed how important library is for us as a students

Essay Writing Competition:

Another Event under Library week Essay Writing Competition was conducted by Spirals for the topic "Role of Libraries in Engineering Education" on 16th November in 3rd Block. 40 enthusiastic students showed up on that day. Each participant stated good points on why libraries are important for Engineering.

ADVANCED ACADEMIC CENTER
STUDENT BODY

AAC, short for Advance Academic Center, is the only technical student body in our college that is dedicated to unique field projects and also to deeper technological and scientific research. As you already know this body/club is by far the most supportive, interactive and financially aiding when it comes to students who are enthusiastic about computer science and technology, and as the members say it is a rich experience inside with all their works and fellow mates. This academic year, this semester, last semester to be more precise, despite college completely trying to reopen and function as before, AAC didn't face the obstacles like other bodies did when it came to their yearly rituals and events and work, and they have done plenty of stuff between

PROJECT EXPO 2021-22:

Which was conducted on 6th of November in the Hall near the entrance and was up and ready for display from the afternoon for everyone. There were various new projects and products that were new and unique this year too and the expo didn't fail to amaze the students as well as the professors and other guests this time too. It was of much bigger and better scale this time and more students had volunteered to display their works from all branches and fields.

AWARDS CEREMONY 2021-22:

This year's annual academic year's ceremony had to be done even though it was delayed and was done right before the Project Expo had started, i.e., on 6th of November in the CSE seminar Hall in the morning. Every year the body awards and honors the best of all projects and the students who have done it by shortlisting them on various technical criteria and so a ceremony is conducted where the upper management and other qualified guest professors do the honors and award those works and those behind the works.

ANNUAL RECRUITMENTS:

As the 2021-25 has arrived, AAC had conducted their recruitments in the month of December at the ending of their semester. Their recruitment process is quite plausible, the students who are interested must first sit through and qualify in the written exam, and those shortlisted are then called up for personal interviews further shortlisting. Almost 50 members were recruited this time.
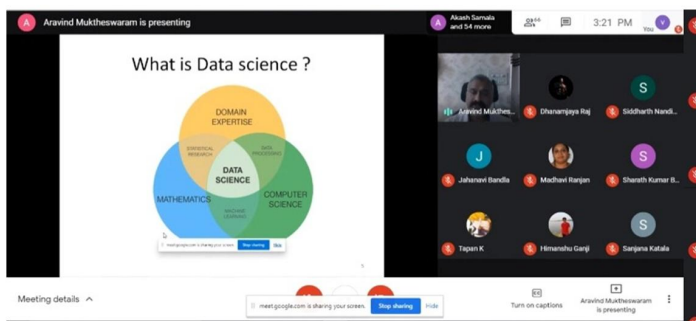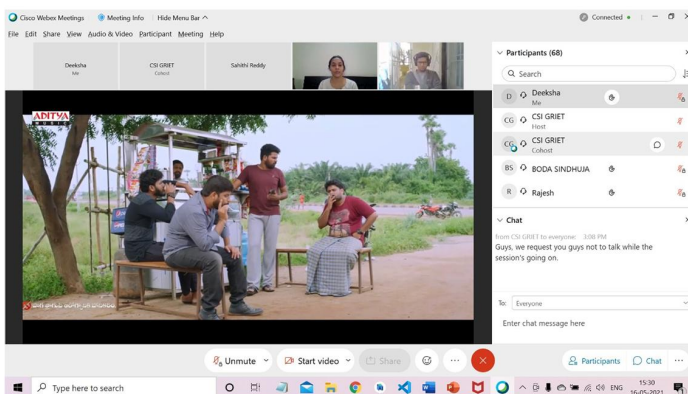
COMPUTER SOCIETY OF INDIA
STUDENT BODY

CSI made quite the effort to introduce students to new technologies and techniques in the techy world. On 24th April 2021 a Technical Talk on Applications of Data Science and Machine Learning was conducted in online mode. Data science refers to the process of extracting clean information to formulate actionable insights. Machine learning is a branch of artificial intelligence (AI) and computer science which focuses on the use of data and algorithms to imitate the way that humans learn, gradually improving its accuracy.

The event received a total of 90 registrations across all branches. The talk was conducted by Mr *Aravind Muktheswaram*, Associate Director at United Health Group. Some of the applications of Data Science and Machine Learning include healthcare, internet search, targeted advertising, Airline route planning and many more. Students were able to comprehend the basic applications of such in-demand techniques in the real

music videos. The event was quite triumphant in terms of both the turnout and the takeaways. 156 registrations were received in total across CSE, ECE and IT branches. The Q&A session added to the grand success of the event.
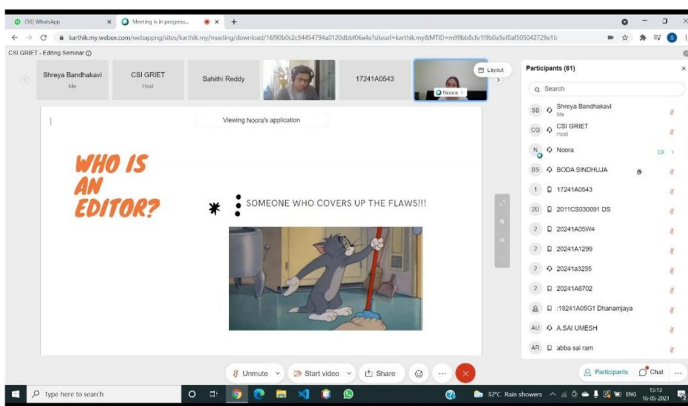

On 16th May 2021 a webinar on Film Making – Editing was held via Cisco Webex. The speakers include Mr Susruth Chilakapati who has 3 years of experience in the field of Editing and Direction along with 2 short films directed by him and Miss Syeda Noora Imtiaz who has completed her BA in fine arts, specialization in Direction and Editing. She has been editor for 7 short films and 1 documentary. The Presentations shown by the speakers were quite informative and interesting. The participants found the Q&A session quite ameliorating

In recent times thanks to budding directors the art of Cinematography has taken the world by storm. Simply put Cinematography is the art of motion picture photography. On 15th May 2021 the student body conducted a seminar on Film making and Cinematography via Cisco Webex.

The talk was held by Mr Vadde Nageshwar who holds a BA in film and media from Annapurna college of film and media with specialisation in cinematography.

He has done several short films, independent ads and

COMPUTER SOCIETY OF INDIA
STUDENT BODY

Last but not the least the student body closed the year with something that gamers cherish the most – an in-person Seminar on Video Game Development which was held on 30th October 2021. The speaker for the session was Mr Arun Kunchala, Head of Game production, Electronic Arts India. He has spent 15+ years at Electronic Arts. He has built many high-performance driven game development teams and worked on some of the best IP driven mobile games that EA owns.

The speaker went over the various disciplines that come together to create a video game, the role of a game producer in the game development process, role of programmers and job opportunities for CSE students in the gaming field. At the end of the session a Q&A session took place, the speaker answered questions about the seminars and related topics.

The event was a grand success with an audience of as many as 280 students. The seminar was interactive and informative

E-CELL
STUDENT BODY

E-Cell or Entrepreneurship Cell is a student body in GRIET dedicated to make students aware about Entrepreneurship and help cultivate ideas. They strive to help start-ups in our college, and have so far helped 21 of them. They also host various events that spread awareness about Entrepreneurship. You can always feel free to reach out to them with any questions on Instagram and LinkedIn

These were the events that were undertaken by the E-Cell of GRIET in the year 2021(from May,2021) are as follows:

Webinar on Capital Market Awareness:

A seminar was conducted on Capital Market Awareness on 22nd of May,2021. Capital market plays an important role in mobilising resources.
It is believed that understanding the basics of investment in capital markets is considered the first step to achieve the investor's financial goals. As part of BSE's initiative, E-CELL GRIET partnered with LOTUS KNOWLWEALTH and held a webinar on CAPITAL MARKET AWARENESS.

Mr. Pankaj Mathkar (the speaker) spoke on techniques to be adopted in Professional, financial and personal life. He also answered queries on emotional management and Peer Pressure.

Some of the topics that were discussed were as follows:
- How the capital market operates?
- What different types of accounts are needed (Demat and regular bank account?)
- Risk reward relation (Higher risk higher reward)
- Features of asset classes
- Information related to mutual funds (how can someone invest and gain partial or full return)
- Discussion on the key aspects of financial planing
- Do's and Don'ts for investors
- Obligations and rights of investors

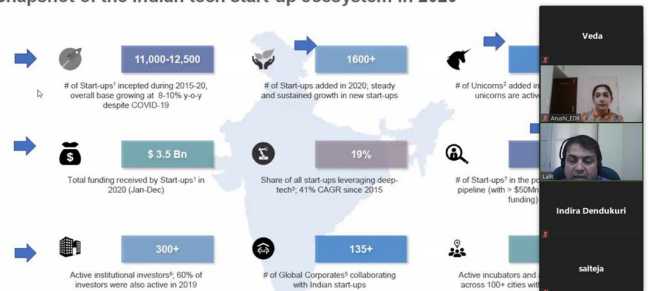## Panel Discussion on Start-Up Ecosystem (Online)

A Panel Discussion on Start-Up Ecosystem was conducted by E-CELL GRIETon11thJune2021. The speakers for the Panel Discussion were from Entrepreneurship Development Institute of India (EDII).

The topics that were discussed in the panel were as follows:

- EDII- information about it
- Current start-up scenario
- Growth of start-up ecosystem in India despite covid-19
- Unicorns
- Major opportunities that have come up in 2020 (domains- fintech, edutech, retail tech)
- How to develop sustainable start-ups

E-CELL
STUDENT BODY

BYST (Business and Youth starting together)

An Entrepreneurial Talk from the members of BYST was organised for the entrepreneurial aspirants of the college by EDC, TIC and IT department on 29th of October,2021.

The Speakers gave an understanding of entrepreneurial journey of India's youth, initiating a start-up and steps involved in taking a start-up forward towards success.

BYST is a non-profit organisation that assists disadvantaged Indian youth in developing their business ideas into viable start-ups.

About the Speakers:

1) *Sri Dhanraj Tirumala*: He is a technocrat who is an engineer by profession and has founded two companies namely: Trisha Technologies in 1995 and Simulations Pvt Ltd in 2017.

2) Miss *V M Asha*: A HR and a marketing professional. For the past one and half year she has been running her own company in the name of Recall Ancient Solutions. They manufacture and retail oil-less and water-less cookware under the brand name Nutricook-makes your cooking healthy

Certified Faculty Training Program on IPR (organised by IQAC and EDC in collaboration with Confederation of Indian Industry (CII))

Certified Faculty Training Program on IPR was organised by EDC and IQAC in collaboration with CII on 19th of November,2021.

This insightful IPAWAKE workshop was conducted for faculty of GRIET to raise awareness about the significance of patenting your work and the procedure for the same.

IPR (Intellectual Property Rights) is the right given to a person over the creations of their mind to safeguard one's ideas lawfully. Over the years the value of intellectual property has grown tremendously and is now a vital element to business.

The topics that were discussed in the workshop are as follows:

- An overview on IPRs
- Significance of Patent Searches
- Developing a Search Strategy
- Identification of Concepts, Keywords, Synonyms, Classification codes
- Drafting Research finding into Patent
- Understanding Prosecution of Patent
- Application in India

About the Speakers:

The esteemed guest speaker for this event were highly experienced and informative.

1) *Dr Praveen Jambolkar* a doctorate, graduate of NIT Warangal(PhD) and more importantly is a founder of two companies: Cyber Motion Technologies and Metalogy Learning Systems.

2) *Mr. Nitin Sharma* holds Bachelor's degree in CSE from Rajasthan University, LLB/LLM from OU and PGD in Patents Law from NALSAR, Hyderabad.

3) *Mr. Vijay Kumar* is Postgraduate in Law with specialisation in IPR and Masters in Science in IT. He is a practicing IPR Attorney. He is a Registered Patent and Trademark Agent for Indian Patent and Trademark office.

4) *Mr. Ravindranath* is a Chemical Engineer with 14 years of experience in the field of IP, particularly known as patents. He obtained PG Diploma in "Patent Law" from NALSAR University, Hyderabad.

5) *Mr. Shailendra* is a Registered Indian Patent Agent with a graduate degree in Biotechnology and PG Diploma in IPR Management from National Academy of Agriculture Research Management, Hyderabad.

QUIZ on Business related General Knowledge:

An online QUIZ on Business related general knowledge was conducted on 14th of September which was attempted by students across various years and branches of the college

FREE SOFTWARE WING
STUDENT BODY

FSW – The Free Software Wing, is a technical student club in our college that support and provide free and open-source software tools to students by students to learn new skills and accomplish things in their respective domains. It aims at giving free and easy access to tools and software that are otherwise either exclusive or expensive.

Though a new and small technical student body, FSW GRIET has been working active in the college when it comes to conduction of online or offline events and has been actively working towards expanding their team and domains in which they work and support, and has reflected the same during the first semester of this academic year 2021-22.

FSW also had recruitments going on in the last week of August 2021, and they had recruited a good number of people.

They conducted an Online quiz for three consecutive days in the month of June on 10th, 11th and 12th, for all the branches. On 10th of July, it was for Mechanical and Civil branch on Autodesk's AutoCAD, on 11th of July it was for ECE and EEE branches on the topic of E-Sim, and on 12th of July it was for CSE and IT branches on GitHub.

They also conducted their first offline event, a hands-on workshop on Database Management and Application Development on 30th of September from morning to evening in the Seminar Hall of the ECE block.

FSW has also conducted an offline event named TechBola, the savvy game of chance, on 19th of November 2021 in the Hall1 next to the entrance in our college. Many newly joined students had showed up along with faculty and it went great, the winners were also given prizes at the end.

GREEN CAMPUS
STUDENT BODY

"Green Campus" is a concept which stands for the efforts to establish environmentally sustainable practices in any institution. GRIET has undertaken the "Green Campus" initiative seeking to take a holistic approach to campus sustainability. Their main focus includes on campus flora fauna, solid waste management and alternative energy Resources.

The events that were undertaken by the Green Campus Team of GRIET in the year 2021(from June,2021) are as follows:

WEBINAR ON TACKLING ON MENSTRUAL WASTE AND MINIMALISM:

A webinar was conducted on "Tackling of Menstrual waste and Minimalism" by Pankti Pandey on 12th June 2021.Various ways to tackle Menstrual waste were discussed in the webinar.

About the Speaker: Ms. Pankti Pandey is a renowned Zero waste practitioner who believes in living a zero-waste life and save environment with presenting unique ideas on sustainability. She is a renowned social media influence with 223K followers on Instagram. Her ideas are very much appreciated by environmental lovers at large.

GREEN GANESHA IDOLS DISTRIBUTION:

GRIET decided to go Green in celebrating Ganesh Chaturthi this year by donating "Eco-Friendly Idols" of Ganesha to the college staff and faculty on 8th of September 2021.

FIT INDIA FREEDOM RUN 2.0:

GRIET – Green Campus Team took the initiative to conduct a Run in the campus (on 1st of October,2021) to commemorate the 75th Independence Day – "Azadi Ka Amrit Mahotsav" to encourage fitness among all age-groups and also help us to get freedom from obesity, laziness, stress, anxiety, etc. The concept behind this run was that *"It can be run anywhere, anytime!"*.

VILLAGE DEVELOPMENT PROGRAMME(UNDER UNNAT BHARAT ABHIYAAN):

Green Campus Team actively undertook the initiative of *"Village Development Programme"*(under Unnat Bharat Abhiyaan) on 22nd of October at Gundlapochampally village.
They distributed masks and sanitisers to school children. They also distributed Sarees to sanitary workers of Gundlapochampally municipality as a token of appreciation for their selfless work during the pandemic.

SWACHH GRIET & HARITHA HARAM:

In order to maintain Cleanliness and hygiene in and around GRIET, Green Campus Team came forward and cleaned unwanted waste that was present in the college.

They also restored old plantations and planted new ones as a part of Haritha Haram(A large scale tree-planting programme implemented by Govt of Telangana) on 30th of July.
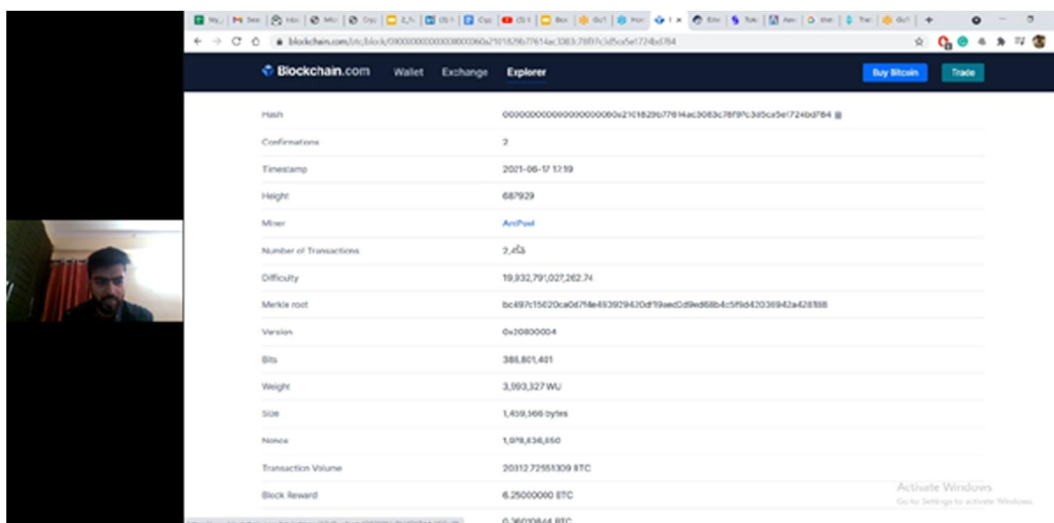
IEEE
STUDENT BODY

IEEE(institute of electrical and electronic engineers) is a professional body spread worldwide which aids budding engineers to enhance their knowledge on electronics and electrical disciplines. It is a repertoire of specialized books, conference records and public standards. Few students of our college are a part of this IEEE GRIET GRSS student body and their creative

QUIZOTRONICS(II):

This was a quiz event conducted online on 14th June, 2021 from 4pm to 5pm which is an acid test for students on how well versed they are with electronics was opened from 11th June and around 55 students actively participated in it.
It consisted of two rounds which covers topics such as oscillators, transistors, semiconductors etc. In the first round 10 multiple choice questions have been given to students and in the second round there was a crossword puzzle. All the questions were designed in such a manner which checks how much a student has an idea about various electronic components. Students from various departments participated in this quiz and few people were declared as winners too.
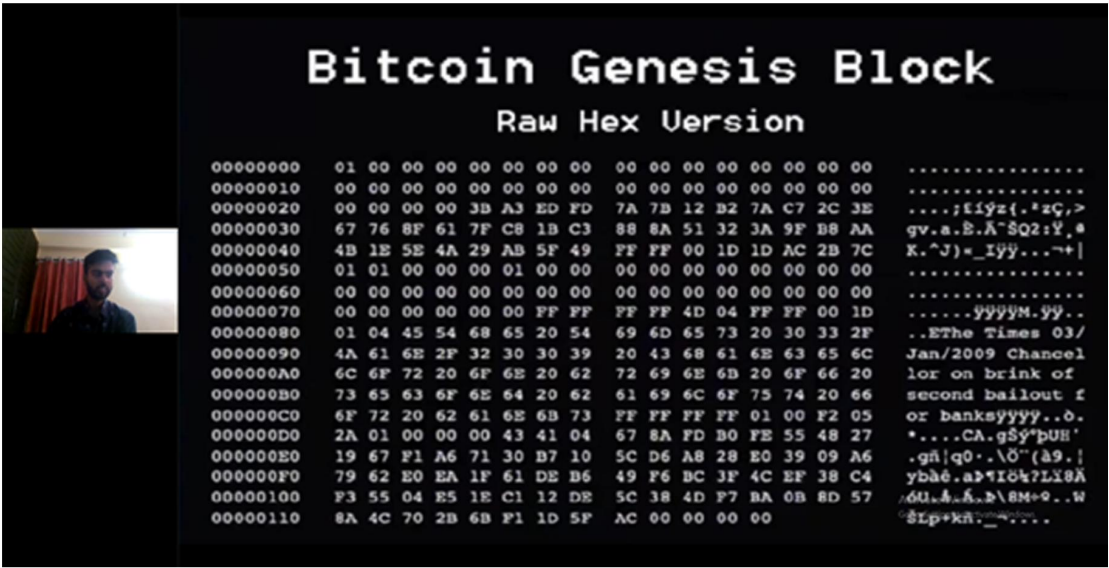
AN INSIGHT TO CRYPTOCURRENCY:
BLOCKCHAIN AND BITCOIN FOR BEGINNERS

This is a webinar hosted by IEEE GRIET student body under computer society chapter by Mr. Ashutosh Kashyap who is a risk analyst and a financial modeler. The purpose of the webinar is to educate students about blockchain and cryptocurrency and to reinforce zealous minds with startup culture and self-reliance. The webinar was held on 17th June,2021 from 5pm to 6:30 pm
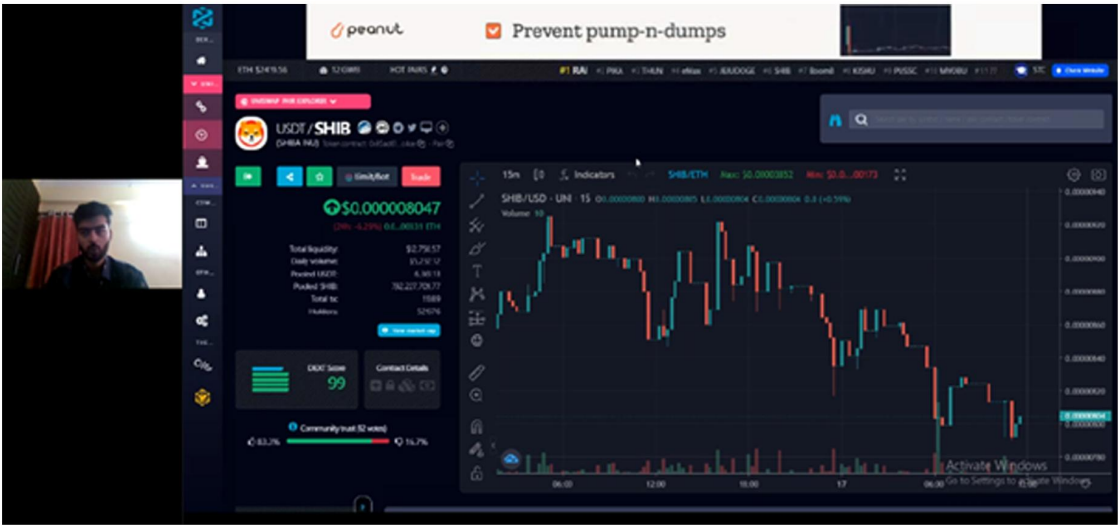
The speaker of this webinar answered many commonly asked questions about blockchain- it's significance in secure transactions, job opportunities in the domain of blockchain like Public Blockchain Research, Product Development, Blockchain Consultancy etc., gave insights about cryptocurrency-CDBC which is centralised and made audience aware about cloud mining platform, theta platform.

There was even a discussion about NFT (Non Fungible tokens) which is a famous usage of smart contracts which benefits both content creator and buyer. Many of our students enjoyed this session and found it very beneficial.

ISTE

The Indian Society of Technical Education or better known as ISTE in our college. The student body has held its fair share of events in college their flagship being ISTE-MELA. Over the last year they conducted seminars and workshops due to the constraints caused by the pandemic. Here are the events ISTE conducted from the period of July to December.

SEMINAR ON CAREERS IN BIOMEDICAL ENGINEERING AND FAREWELL

This Seminar and Official Farewell was held on 26th October 2021. The event started with the introduction of Speaker Dr. Tatiparti Padma. She started the talk by telling what is Biomedical Engineering and how is it related to engineering branches. There has been tremendous Growth in Biomedical Department since the start of the Corona Virus. Many devices have been developed for measuring the bio signals in the human body like EEG Sensor, Inertial Sensor, Blood Pressure Sensor, Pulse Oximetry Sensor, and many more Biomedical Devices. IoT is a network in which all physical objects are connected to the internet through network devices or routers and exchange data. Internet of things (IoT) plays a major role in Biomedical Engineering, Data is being collected by sensors through Intra-BAN communications this data through Inter-BAN communication like 3G/4G communications being sent to medical staff, medical server and Ambulance so immediate actions could be taken by doctors by taking patients health profile into consideration ,She mentioned that it is a good and intelligent technique which increases the chance of protecting Patients.

She then explained about Biomedical Signal Processing and how is it actually performed their application areas and the advantages of using them. The seminar was followed by an Official Farewell to the senior students who graduated in the year 2021. They were felicitated with certificates of their conduct and expertise.

MACHINE LEARNING WORKSHOP:

The workshop was held on 22nd November 2021 with Mr. Santosh Sanjeev of Electronics and communication engineering, IV year, GRIET giving an introduction on Machine learning and its importance in the present world with relatable examples. Slowly after which the concepts such as classification and regression were addressed by him in a clear and detailed way with the math and algorithm behind it. Then the concept of data pre-processing was explained step by step in a one-to-one session, starting with the evaluation of graphs and its visualization with a real-time example including its derivation to find the gradient for learning its minimum value, for which the code related to it was explained and shared with the students.

This was followed by a 40-minute lunch break and then Mr. Santosh began to explain the code related to it after a short revision to the morning session held. Also, the students were guided on how to use the software regarding the workshop with the help of the volunteers present.

Then after he got into the very depth of the concept of regression and its types which are single linear regression, multilinear regression, and multiple linear regression with examples, math, and its code and algorithm behind to students. The students were then provided with the necessary code documents and also were able to clear their doubts personally.

NATIONAL SERVICE SCHEME
STUDENT BODY

GREEN DIWALI AWARENESS PROGRAM

On 3rd November 2021, NSS has organized GREEN DIWALI AWARENESS Program at Mahima ministries child care institution for boys and girls to spread awareness how crackers harm our environment and to explain that Diwali is not a festival of pollution rather it is the festival of lights.

With a budget of 2,204/-, 5 volunteers took part in the event and the team also learnt about the orphanage to be able to provide support in future. The students at orphanage showed the enthusiasm and were obedient and followed the instruction carefully

A total of 85 students were present in the orphanage and the program went on till 6:30 pm. All the necessary COVID precautions were taken by the NSS throughout the day to ensure safety of both students and volunteers. Despite the unfavourable Pandemic upon us, everyone contributed and worked hard to make this event successful

BLOOD DONATION CAMP

On 7th September 2021, Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad organized a blood donation camp, the initiative was taken up by the NSS unit of the college in accordance with the Red Cross. The team from the Red Cross including one doctor and a few nurses arrived at the premises beforehand and the program was started at 10:00 AM.

The first initiative of donating blood was taken by the college students, as they inaugurated the blood donation camp. Later, other teachers, non-teaching staff, and alumni students all donated blood. The donors were given refreshments after they had donated blood. The donors were also provided with the blood donating certificates by NSS GRIET.

A total of 83 units of blood was collected in total and the program went on till 2:30 pm. 20 students volunteered to make sure the event was a success. All the necessary COVID precautions were taken by the NSS and the Red Cross team throughout the day to ensure safety of both donors and volunteers.

NATIONAL SERVICE SCHEME
STUDENT BODY

COVID VACCINATION DRIVE

The NSS Unit conducted Free COVID-19 Vaccination Drive in the campus was conducted on 10/12/2021. The drive was started at 11 AM in the morning and continued up to 3.00 PM.

A team of COWIN technical staff and nurses arrived at the college premises at 10 am and the. The faculty members took an active part to monitor the students and staff in the drive throughout the day. The first vaccine was given to college students, as they inaugurated the drive. Later, other teachers, students, non-teaching staff of the college were vaccinated. They were asked to take rest before they are allowed to leave the hall. After getting vaccinated they were instructed to download the vaccination certificate from COWIN app.

A total 248 members of the institution including Students, Faculty, non-teaching Staffs were vaccinated by the end of the day. All the necessary COVID precautions were taken by the NSS team throughout the day to ensure safety and the NSS GRIET team worked very hard to make this event successful.

RHYTHMS

Rhythms is the Cultural Club of GRIET and dabbles in all forms of art. Their events from July 2021 have reflected on that. Here are the events that Rhythms has conducted.

As Rhythms is famous for having its Band Retrieve, their classical dance team, The Invincibles and their numerous singers and dancers, they are called to perform at many of the college's events to give a performance. The club has given performances at events such as the Annual Day, Graduation Day, Sankalp-Orientation Day, Sammelan-Alumni Day. Moreover, also performed at events conducted by other student bodies and clubs such as at STEPS, Prangya-The Technical Fest, G-Talks conducted by TedX.

Apart from this Rhythms continued having their Canteen Events where the Band Retrieve performs with other singers in the club when the college opened for in-person teaching. The club conducted two standalone events Rhythms Day and SAMAGANA.

Rhythms day was a fiesta. They held celebrations for Bathukamma and Traditional day simultaneously. The festa had multiple performances and competitions like Rangoli Competition. Students arrived in bright traditional attire and had the time of their like with their friends during the DJ performance and left with countless memories.

SAMAGANA was a first for Rhythms and perhaps the college as they produced a singing reality show. With fantastic performances the competition was broadcasted through their Instagram account and is still available for viewers to watch.
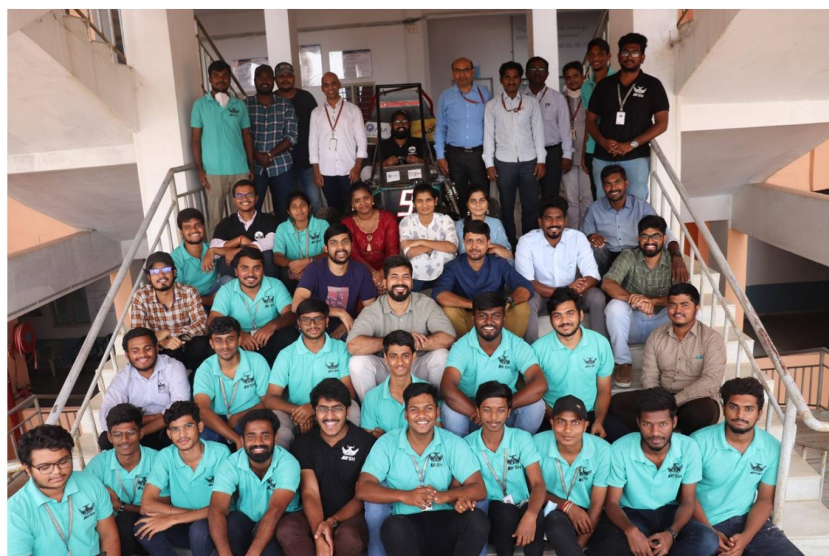
SAE ALUMNI MEET

On the 30th of October in 2021, Society of Automotive Engineers of GRIET had their Alumni Meet. SAE GRIET is a highly accomplished team with multiple wins in SAE BAJA and MEGA ATV.

SAE is currently a team of 20 they were joined by 27 of their Alumni who are proud that the foundations they laid. They discussed the future of GRIET SAE and the Automotive industry. The seniors discussed and transferred knowledge. The attendance of the Director, Dr. Jandhyala N Murty, HoD of Mechanical Department, Dr. N. Sateesh, GRIET SAE coordinator, Mr. D. Eswaraiah made the meet even more optimistic about the future of Mechanical Engineers at GRIET.

SPIRALS
STUDENT BODY

SPIRAL TALKIES:

Team Spirals had quite a jam-packed schedule this semester. Starting from the orange and yellow days of September to the not so chilly nights of November, the team continuously worked together and organised fun filled events for the students.

"To portray emotions of the dramatis persona as your own and do justice to the words of the writer, is what an Actor is all about. To be someone else while still being yourself is what Acting is all about."

Spirals Talkies brought these words to life. This event held on 29th September 2021 allowed participants to work on their acting skills and depict a story from a personal perspective. Participants thoroughly appreciated the team's effort to bring together an innovative event of its own kind.

GRIET PARLIAMENT:

"All things out of sight yet heard of, out of reach but worthy of more than a mention are controlled by one entity alone - The Media."

This year Team SPIRALS conducted the 9th edition of GRIET PARLIAMENT-2021 on 12th November 2021. At its core GRIET Parliament is a Debate, where you get a glimpse of how the Lower House of the Indian Parliament - Lok Sabha, functions.

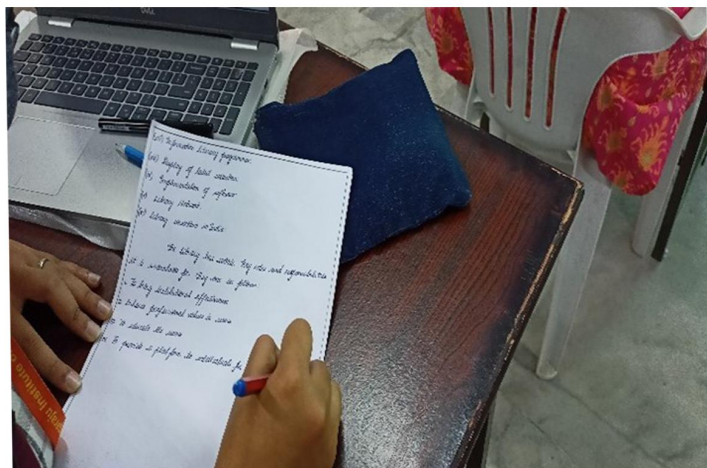Agenda for this year was *'Regulation of Media'*

GP provides participants with a platform to debate and develop a clear understanding of concerns in the society. It mainly focuses on the spontaneity of the participants, and also encourages them to broaden their perspective.

The Bill was passed with 67 votes and the Moderates played tie-breakers to settle the argument. The participants had an opportunity to understand the importance of rules and regulations in terms of the issue in question and the proceedings of the house. Researching and analysing information were some of the significant skills learnt.

ELOCUTION AND ESSAY WRITING COMPETITIONS:

In association with the college on the occasion of Library week, the team helped organise both Elocution and Essay writing competitions on 16th and November 17th 2021. The topic for the same was Role of Libraries in Engineering Education and their usefulness. The topic encouraged students to value their resources and utilise them effectively.

ESSAY WRITING COMPETITIONS:

Spirals conducted an Essay Writing Competition on 5th October 2021 with Women Development Cell to nurture and hone students' Writing Skills. The topic for the Essay Writing Competition was 'Role of Women in Vedic Times'. The competition saw as many as 15 participants. This competition was open only to female students of all years. Participants expressed their views in a spectacular and explicit manner.

GTALKS SEASON-3

A RHETORICAL ESSAY

GTALKS is an annual GRIET event that invites people who have made their mark in their respective domains. It enlightens and ignites individuals with all the motivation and dedication they require to be successful in life. GTALKS Season-3 was held on November27th2021.

The Ripple effect as we understand it is just like how a drop of water can create ripples; every decision we make can have an impact on the Universe as a whole in the form of ripples regardless of Time. The results of these ripples may be delayed or instantly visible yet completely unknown to us.

The Ripple Effect is also about emotional contagion in groups, both Positive and Negative. The idea that everything has a purpose changes how one lives. The stories shared by the speakers tell us how interconnected everything everywhere is.

SPEAKERS:

"Dreams do come true" - **Ms Deepa**, Director GLWEC She believes that validation is immaterial when it comes pursuing your happiness and this is what allowed her to leave her job as a software engineer in Infosys and join the teaching field. She concluded her speech by highlighting the importance of believing in oneself and how that can create amazing ripples in one's life

"Believe in your interests" - **Ms. Bhavana**, Senior Analyst at Accenture.She shared her experience in conducting science experiments in school to building AI robots in college along with her internship at ISRO and DRDO. Her speech gave the audience insights about the emerging field of Robotics and the opportunities the young minds have in the upcoming

"Acts of changing small portion of events will be the greatest history of this generation"- **Mr. Varshit Ratna** CEO Hashing Company.He talked about how college life shaped him as an individual and streamlined his thoughts. He shared his memorable college experiences by using memes as a tool, which engaged the audience. His words gave the audience a uniquetakeonanentrepreneur'slife.

"It's all about intent." - **Jagannadha Mallik**, Senior Design Engineer at L&T.He strongly believes that effort is the answer to failure. Although his dream to join IIT for undergrad was crushed due to multiple reasons, he continued to work hard and got admitted at IIT Tirupati for his MTech degree.

Words of wisdom were followed by different acts based on the modern aspect of music.Abhinav and Sarthak, students of GRIET performed beatboxing and rapping. After extending the token of appreciation, lunch break was announced. The speakers and faculty members were escorted by the Team members to the dining hall where lunch was served.The stage was setup for a performance by Band Retrieve from team RHYTHMS in the lunch break. Band Retrieve captivated the audience with their marvellous performances. Their soulful songs, set the mood for a fun afternoon.

Madhurya, Tarang, Sarath, Raghavender, Dheeraj, Vatan from Band Retrieve, entertained the audience with their vibrant voices. The audience embraced the song by turning on their flash light which gave a beautiful end to the event.

To sum it up the event was a fun-filled learning experience for all the students and faculty members. It allowed the audience to understand the importance of hard work, happiness, dedication and perseverance.
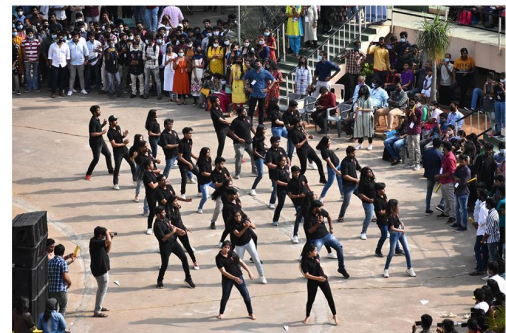
PRAGNYA

PRAGNYA, the National Annual Technical Symposium of GRIET has been instrumental in shifting the paradigm of usual coursework. PRAGNYA has been scaling heights ever since its inception and has set an ultimate platform for all the dynamic members of IEEE to organize more such events for students to perform, innovate, create and excel.

PRAGNYA encompasses various events ranging from Workshops to fun-filled activities and attracts large interest from students in the events such as Code-O-Fiesta, Web Designing, Scavenger Hunt, Box Cricket, etc.

Apart from this, the entirety of the fest witnessed a plethora of cultural events too, Rhythms' Band Retrieve performed a nice collection of songs for the audience. Some of the students also gave solo as well as duo dance performances along with what is popularly known as a Flash Mob.

X-KERNEL

X-Kernel is an Annual Technical Event hosted by Gokaraku Rangaraju Institute of Engineering and Technology. It hosts a pool of technical competitions that captivate the budding engineers to test their mettle and enhance their skills to emerge out as fine professionals in their respective domain. It is a perfect blend of practical skill development and innovative thinking as well as fun, which makes it enthusiastic for participants.
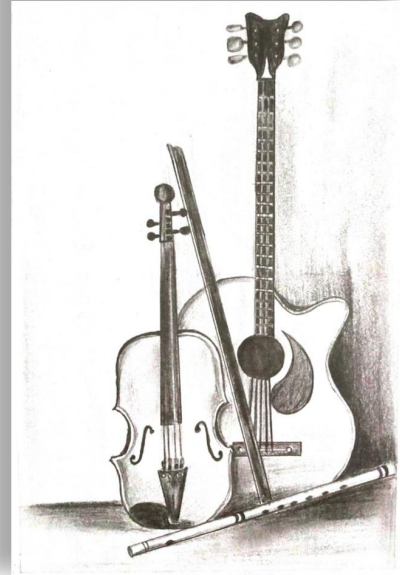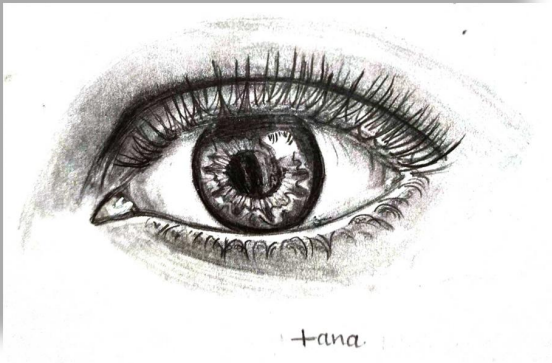

This contest was held on Hacker Rank an online coding platform. Each student was given a real-life problem statement to solve. The participants were given the option to choose any programming language of their choice to code the solution to the given problem statement.

The event witnessed active participation from department of CSE, Department of AI&ML, Department of IT and Department of ECE.
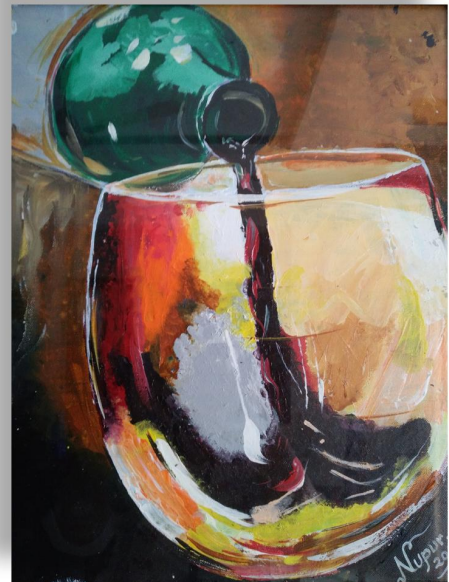
This event turned out to be a huge success with the help of Management, Administration, Organising Committee consisting of 12 student organisers from each department and with active participation and co-operation from all the participants.

Objective:

Its main objective is to encourage the young and vibrant engineers in developing their instant problem-solving skills and sharing innovative solutions for some of the common issues and problems.

X-Kernel 2021

This year's X-Kernel was organised on 20th November 2021 by the department of CSE under the supervision of Dr.K.Madhavi,Professor & Head,CSE and Ms.K.Soumya Priya,Coordinator CSE.

This year's X-Kernel included a coding contest which saw over 139 enthusiastic students stepping out form various disciplines to participate in this challenging coding contest.
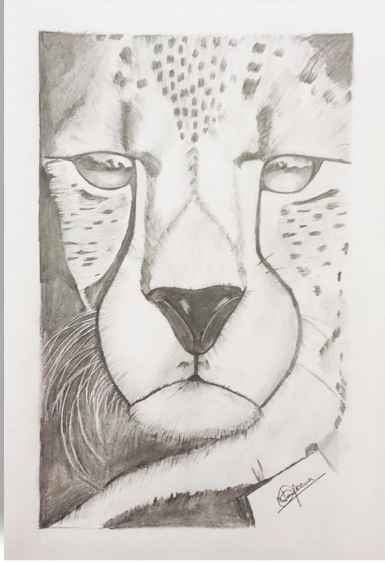
ARTS

MEDISHETTY SUMANA
20241A12F1
IT-C II YEAR

Nupur Phadke
19241A0335
Mech-A III Year

S. NAVEENA
19241A12A6
IT-B III Year

POEMS

OPERATION FIT IN

-A Chetana Reddy
19241A0462 ECE-B III Year

You seek a connection
With humanity as your only condition
But are appeased with attention
You are so blind
that there ain't anything you mind
I'm sorry the world wronged you
Would it help if I said it didn't mean to
All that it craves is to be just like you
"To find it's true self"
I know you feel hopeless
And maybe even slightly useless
My only suggestion
Abandon the "Fit in" operation
Look underneath all the fiction
And Select the "YOU" option

-Harshitha Dharana
20241A05V7 CSE F II Year

SOMEONE

Well it decreased to few and then to one.
She came to a side of the box they allotted to her.
Had a quick glance to check if anyone's still there.

She opened her mouth trying to say something to the box.
"You left already!? It may take some time for me. Wait up!"
She neither put a flower on her nor a letter.
She was leaving just like that when she turned around,
she whispered "Don't miss me idiot"

That's what she left her friend just a dim sparkle in her eyes.

I felt incredibly unlucky staring at this plight from distance.
There I went wishing I had someone
Someone who doesn't go back to their home
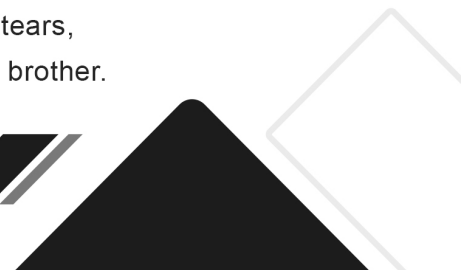Stays with me just a little more time.

DEATHBED

-Ashish Kativarapu
19241A12C3 IT C III Year

Across the bed sat my brother ,with a face so stiff,
filled with disgust rather than pity, not looking into my eyes.
Quite common wouldn't it be,
to expect some affection and sadness,
when one is about to die I thought, and I anticipated the same.
Apart from that,
not to my surprise, none were present,
even those, I felt, understood me well.
Weirdly, the one I knew to hate me the most,
my brother had come to see me.
Or had come to watch my soul leave,
surely in a sadistic sense,
but not as sadistic or cruel as he might consider it.
For he believes I deserved every tragedy that I suffered,
specifically for one reason I believe,
for that one deed I had done,
when we weren't even mature.
That very one deed he wishes me a painful death for…
What is so profound about it I still wonder to this day?
I had buried away many other mothers after ours'!
A true service I had done to them, didn't I?
By putting an end to the suffering of such mothers,
who cried night and day,
out of despair, and loneliness.
Mothers who were unable to bear the burden of their children!
Had I not done them well? Had I not set them free?
It is certain, that my brother,
who is clouded with foolish emotions,
would never know the significance of pulling people out of misery,
and making them sleep forever peacefully.
Anyway, no energy is left with me to reason with him,
on such trivial issues,

yet he wouldn't look into my eye despite my last tears,
but I still will, and die peacefully alongside my dear brother.

THE COMPLEXITY OF TIME

-Ashish Kativarapu
19241A12C3 IT C III Year

On time, in time, the seconds hand of the clock moves every second, every strike, every second, brings you closer to your future, and takes you farther away from your past. As you continue to gaze at its absurd nature, of its surroundings, and of the lives that count, and the deaths that depend on it, you notice how it does not care, not even a bit, it is not ignorant, but rather helpless itself. It cannot, in any case, go back, not even once, not even for a strike, for it simply is both helpless and uneducated of its significance.

It is indeed naïve of me to wish to teach the most feared upon dimension, but in some point in space, where the strings alter and the waves crash, where a rupture starts, it'd collide with the souls of the living and the dead, it'd then become conscious, and have the first thought of its own. How ridiculous it is, I know! Time itself, not ticking, but thinking, what would it think of anyway, if given the chance or the power, would it ever wonder if it could run back and forth, it could maybe, in its own theory. But we, the beings with the shortest sights for life and the longest desires for truth, would never achieve to understand its complexity, or at least the fact of our own mortality, that depends on the linearity of passing it.

How ridiculous it is, I know! Time itself, not ticking, but thinking, what would it think of anyway, if given the chance or the power, would it ever wonder if it could run back and forth, it could maybe, in its own theory. But we, the beings with the shortest sights for life and the longest desires for truth, would never achieve to understand its complexity, or at least the fact of our own mortality, that depends on the linearity of passing it.

Common saying, that time runs, always, forward and not backwards, which is why, what has happened has happened, what is done is done, now it is indeed time to look and estimate and decide the future. The phrases themselves instill us with a false sense of despair and mock us in ill humor, not hope, for the laws of nature suggest that the object of time can never be a subject to one's destiny, perhaps destiny is decided on by time and not the individual himself, yet one concludes that he is powerless in front of time when in reality the circumstances one produces out of his own actions and inactions causes his destiny to change from point to point in space with endless potential

The tick is the forward, and the tock is the forward too, so what actually is the backward, is such a silly yet unanswerable question. It leaves us wondering, if only the object of time could have a thought or soul of its own, it could look into us, into the potential it has in changing the dynamics of life, but still, it is too absurd to wish I know. The periodic sounds terrify me, they remind me of my mortality, they show me my death, they show me a darker truth, that what is done, cannot be undone, and what will be done, cannot be undone either.

A slave's desire to be a slave, for if there were no masters such as time and timeless knowledge, there'd be no certainty, and when there'd be no certainty, there'd be endless streams of despair and misery. It is maybe the restriction that exists that has brought us here, to enslave us, and terrify us every day and every second of its cruel and unfair nature, but what is fair, we do not know, for we do not know what we could achieve through such horrendous power of holding time and bending it.

A scholar would brush off this nonsense with theories and facts, and is scared about the uncertainties of the laws of nature, and say there'd never be room for philosophical potentials that exists so explicitly when it comes to time, and those that always amaze the folks, because we simply do not know anything, not yet.

The mass does not care, and the outcasts and the dreaded care more than they should, which is where the solutions disappear and the resolutions drop, let the masses demand for a cease, and let the thinkers stop worrying too much of the significances that do not exist yet, and maybe then time will heal itself of its own trauma and obey us.
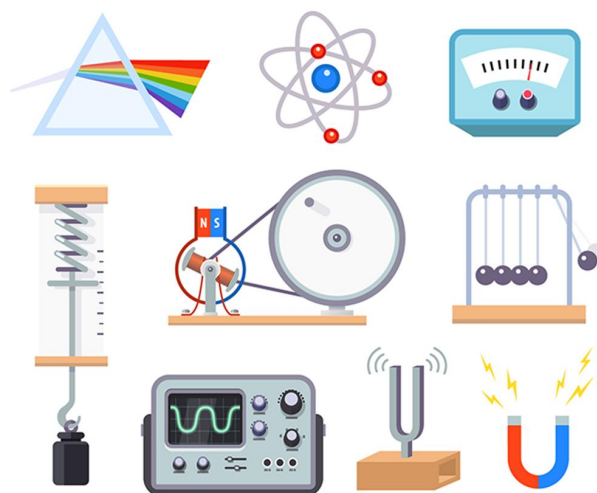
PHYSICS

-G Sai Sri Jahnavi
19241A1278 IT B III Year

Physics, it's a beautiful phenomenon. A vast yet dense subject. It has its ties tied up tight to every possible thing in this estate. It is too easy to digest when found in pushing doors and sticky feet on the ground but tagged the kindling quote of complexity when found on paper being directly proportional to being found in exams. It is a subject of questions. It's quite a secretive subject. But many people somehow were able to pull its strings out.

When the mind of a human somehow felt the circle is a better option in motion than a triangle or for that instance an octagon, it showed up dressed as neat as a kid attending first day of school. It appeared as gutsy as Sherlock Holmes when it put forward the spark between the stones when rubbed against. When the apple fell down on the earth, it shining hard catching a genius's mind to discover something, something which even told us why we are able to live.

I mean imagine a bunch of kids in a school bus. Imagine the bus going smooth like butter towards the destination and when suddenly there comes a bump on the road and to avoid strong disturbances the driver hits the break and the whole bus dances to the beats of inertia. When the first wheel passes, the long scale sized shoulders move to the right and the left and then right and left. Inertia of Rest, Inertia of Motion, they all follow a bunch of the subject's rules just in that one bounce, yet their minds have the space to accommodate the terror whenever they think of writing the answer to that Inertia question in the EXAM.

I believe that physics contradicts itself, it says "every action has equal and opposite reaction", well in that case, it does show us wonders every single day to us but not all react, they respond. Probably "Every action may and may not have equal reaction, but always has a useful response".

NOTES FROM THE MODERN UNDERGROUND

A RHETORICAL ESSAY

-Ashish Kativarapu
19241A12C3 IT C III Year

I'm spending half my days in front of the screens, feelings of burnout and restlessness start to increase day by day, and I can't seem to do anything about it. Is there any other way I can experience and connect with this outer world, should it necessarily be through these goddamn screens, these blue and bright screens, that make my eyes suffer and my mind clogged up? Is there any other way, where I can simply experience the world for it is, through my senses, to touch, hear, see and feel? There are perhaps the ways that I describe, but unfortunately, it has become something one would do after mindlessly banging their heads in front of these lifeless screens, that is of course, to go out, and touch the grass, and to talk to other people, face to face, and to hear, and importantly listen to the sounds that are reaching one's ear. How has it become a matter of privilege to experience the world for as it is and not for how we have made it, made it so superficial and lifeless.It is becoming more and more evident that people aren't adapting well with our new ways, we are getting sick more and more often, both psychologically and physiologically, and we crave for the same cavemen experiences despite years of effortless and inevitable evolution. We are, at the end of the day, still humans, right? And what do humans do? Don't they see and hear the sounds of nature, form bonds and connections with each other and make endless memories, run and dance and sing like wild creatures with one another in the sun and in the moonlight, taste the endless things that are gifted to us by nature in the trees and forests; but what are we doing?

It is safe to say that we have moved a lot further from what we are supposed to experience, and are doing exactly the opposite. We are locking ourselves away, we are mindlessly pursuing things we don't even understand, or things that make us even less human, we are living a lie of a better tomorrow, where we're becoming less human as tomorrow arrives, lesser than we are today. I am writing this in a screen, hypocritically, but what choice do I have, I cannot scribble these thoughts as fast as I could type, and you might say that is perhaps an advantage of our technological evolution, don't we wish we were a bit more patient so as to wait till our hands and fingers finish penning down our thoughts at a normal speed and not at sixty words per minute, that is my god hands and fingers finish penning down our thoughts at a normal speed and not at sixty words per minute, that is my god a word per second, astonishing. But with time, my hands and fingers and my ability to write will wear down and as I grow frail and fragile, only the thoughts that circle in me exist and the rest just rots. What kind of a life would that be? Where one's own thoughts could not be seen or read, where one's own wishes and dreams cannot be fulfilled, where one would lay low and regret and loath in his ill being, it truly would be a tragedy. I have to admit the quality of my thought and my choice of words and themes have come down, I do not know what has gotten into me, it might be the surroundings and people I have accustomed myself to, or the regressive things that I am doing these days, constantly smoking and drinking and sleeping around with people I don't love, it has been not days, but way longer I think, I haven't written a sensible thing in almost a year, and it is definitely shameful.

One day when I would stop thinking peculiar and ill thoughts, I request one of you who might know me to slit my throat when I'm asleep, as I will be no use for this world or to myself when that time arrives, or to make things easier, poison my alcohol and make sure it kills me, I wouldn't mind if the way of death you choose for me would torture me for a while or an hour, as I think I would enjoy it in a very sadistic sense. A duality in me would be born at that instance, the one that has given into this modern superficiality praying and screaming to survive to see another same mundane day where I would chase meaningless pleasures, and the other part, the real part, buried deep inside that is both rational and original, that would finally be pleased to let itself go because me as the body and the mind that is supposed to do as this part of me would dictate and direct, but quite contrary, have completely lost myself in the process of blending in and making sure I earn my bread and butter in the most unethical and pitiful way. I am perhaps utterly

ashamed of myself for what I have become and I hope it is not too late to go back to what I once was, and not stay this 'underground man', as people call me, to perhaps a true thinker, a writer, and most importantly a human who is capable of love, and a man who had his authenticity and originality. I pray that everyone around me, everyone that I know would realize their short and bitter lives are not to be wasted chasing worldly pleasures or things that are explicitly inhuman, and would start looking into themselves and realize that they are not just another speck of dust in the cosmos, but are the cosmos themselves.