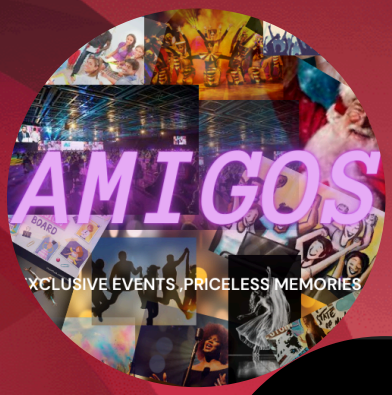
GLOBAL ACADEMY OF TECHNOLOGY

Department of AI&ML



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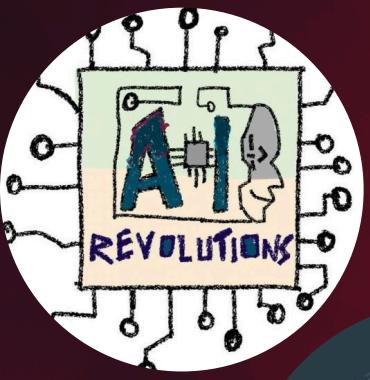
A monthly news letter



Dec,2022 edition

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Welcome back!!

ORIENTATION MEET

The seminar conducted by seniors, mainly focused on numerous technical and general aspects of personality development . The session was energizing and inspiring to everyone. It was a productive and educational workshop .The programme brought in a lot of enthusiasm among everyone and willingness to upskill oneself. They walked us through the technicality of our course and spoke about the future boom in AI&ML. The session was a whole bundle packed with information, fun, and morals.

AMIGOS

Events of the month

- Orientation meet
- Student clubs
- Activities by clubs
- Looping brains
- Geek talk
- Christmas celebration
- Git and Git hub

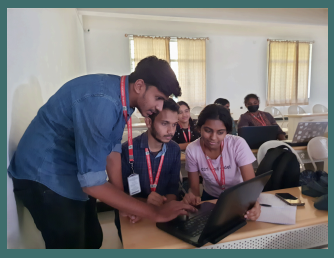
CHRISTMAS", the season of happiness, love, care and sharing gifts with everyone. An event like this brings in joy by even doing small things. So the club members of amigos organized a fun event with dress codes red and white. as New Year is around the corner, it is important to have a vision for the coming year. Our event management club brought up a great idea by making an activity of creating vision boards. Every individual had a unique vision . It brought out creativity skills, and helped everyone to know what they really want or expect in the coming days and to work on it.

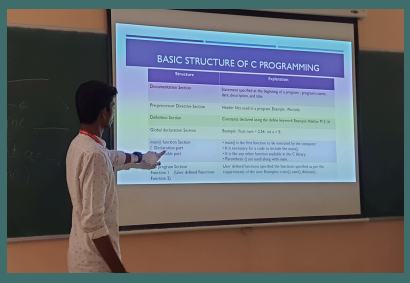
<VIHANA>

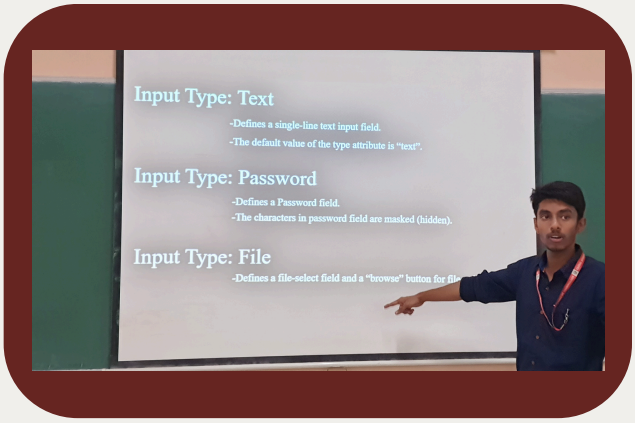
VIHANA, our department's social club has started off with great energy and enthusiasm. With the recent event conducted by the club, which was distributing little gifts to the non technical staff of our college, has proved that happiness comes with sharing. Their interest in social work has already started igniting similar flames in our heart. Hoping for our fellow friends to keep up the good work!!

<CONTROL CODE>

Control code, main technical club of the department, is portraying its image of being the backbone club of the professional course really well. The workshop on C programming held by control code has been very helpful for the members. The club also held a mini competition to improve one's coding skills in basic for-loops. The name of the competition was looping brains! Looking forward for more such interesting and resourceful sessions from the club.







<WEBEGETTER>

No matter how fancy your website might be, you need it to craft a sturdy underlying structure. The Webegetter members conveyed that HTML knowledge is necessary for anyone who wants to build, manage or improve websites and had an amazing workshop on HTML.

<THE WORDSMITHS>

The importance of the message you convey depends on the way we frame the words and express it. It was amazing thought of The Wordsmiths to have an activity like experience writing session. It gave an opportunity to everyone to put their thoughts into words. The activity stated that it was words of your heart that mattered. Looking forward for many such insightful activities.

<VAIBHAVA>

The year 2022 ended with a fun activity conducted by the members of Vaibhava and Amigos. A theme based poster making competition was organized where everyone actively participated and creatively briefed on how they envisioned their 2023. There was also an interactive session where everyone expressed their best memories of 2022 and shared their resolutions for the upcoming year. The faculty extended their best wishes to everyone.

<INVITED TALK>

<GEEK TALKS>

A geek talk was organized by the AI&ML department and aeronautical department. The session was taken up by the resource people. It was primarily concerned with instilling in everyone the value of student clubs. The chief guests addressed everyone and demonstrated how easy it is to accomplish many things by being a part of a student club through their works and their experience of being the part of clubs.

<GIT AND GITHUB>

The session was taken up by seniors which primarily focused on the technical knowledge. It was ensured that all students were introduced to git and git hub. They assisted everyone in downloading them onto their laptops. We learned various git commands as well as how to share written code on github. Aside from that, they addressed the student clubs, motivated us, and gave us suggestions.

STUDENT'S ACHIEVEMENT

Bhuvan S A of AI&ML department participated in the coding competition called BYTEFEST which was conducted by AI&DS department , GAT and won 2nd place.

Amogh B Achar and Saideep K of AI&ML department participated in the workshop conducted by the Malnad college of engineering Hassan on the topic Cybersecurity. This workshop enhanced thier knowledge with various new ideas and techniques.

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SMALL STEPS EVERY DAY
TRAVEL Because money returns, time doesn't!
YOU ARE WHO YOU MANIFEST
Health
Self Growth
prosperous
Friends
Travel
Happiness
Dream
WHEN YOU FEEL LIKE QUITTING THINK ABOUT WHY YOU STARTED.
BIATHLON WORLD
Work-life..
Lifestyle
Today Is Your Opportunity To Build Tomorrow You Want
NEVER DREAM FOR SUCCESS BUT WORK FOR IT
Travel
WORK HARD DREAM BIG
Pastime..
2023
MONEY
CODE
Savings
code_
Rise & shine.
WAKE UP TO REALITY!
IDEAS HAPPEN DO IT! Confidence
BILLIONAIRE
Live the moment & "LEARN"
Life is tough but so are you
Love Yourself First
Happy
Success
Great things never come from comfort zones
STOP DOUBTING YOURSELF WORK HARD AND MAKE IT HAPPEN
WOMEN WHO CODE
<VISION BOARD>
Stay positive, work hard, make it happen.
else{ orderCoffee( ); }
Keep Coding Keep Smiling
ARTIFICIAL INTELLIGENCE
Balance
I hate programming
I hate programming
It works !
I love programming
Error
1st rule of programming: IF IT WORKS DO NOT TOUCH IT!
TRUST ME, I'M A PROGRAMMER
print "Hello World!"
YOUR DREAMS
LIFE HAS NO CTRL+Z
"Family is the biggest support system"
To become better programmer
To love and feed more dogs
No wasting of time
To be calm in any situation
do Your Best!
new year new me
GLITCHED
I am creating the life of my dreams
IT'S ALWAYS DNS!
You only fail when you stop trying
BE PROUD OF WHO YOU ARE, NOT ASHAMED OF HOW SOMEONE ELSE SEES YOU.
BACHELOR'S MASTER'S PHD
work smarter not harder
SOUTH KOREA
Microsoft
NEVER GIVE UP
I AM SO PROUD OF YOU
family is everything
Communication skills
Radiate positive
Reach leadership position
Enjoy things!!
CODE
GO Confidently in the direction of your dreams & LIVE the life you imagined.
EAT SLEEP CODE REPEAT
DISCONNECTED
METAVERSE
GAME OVER!
AWARENESS

GLOBAL ACADEMY OF TECHNOLOGY

Department of AI&ML

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A Monthly Newsletter

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HAPPY NEW YEAR

Jan, 2023 edition

2023

Events of the month

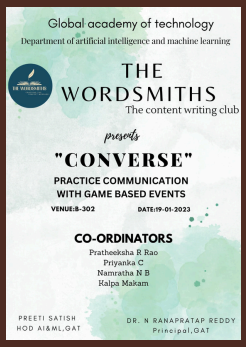
- Makara sankranti-2023
- Techcrunch - Invited talk
- The Wordsmiths - CONVERSE
- Webegetter - Webathon-phase 1
- Socify - Debate activity
- Vihana - Adhyapana

<Vaibhava>

Makara sankranti-2023

The end of winter and beginning of new a season was celebrated by the AI&ML department. Vaibhava along with Amigos conducted a kite making competition for this occasion. It was a great opportunity to appreciate our tradition and culture .Traditionally, kites symbolize prophecy and fate. Kite always fly against the wind, not with the wind. In life too, if we are just going with flow or driven by the circumstance or situation, we will not be able to rise. A kite's tail also points to balance, which is part of every successful life .This activity took place in the main campus and every one enthusiastically took part in it, enjoying it to the fullest .This activity also gave a platform to interact with our juniors and get to know each other. The competition unleashed everyone's creative potential. Kites made were exceptionally beautiful and colourful.

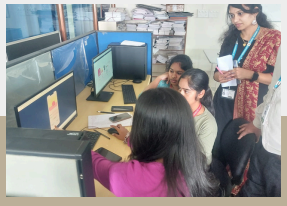
<The Wordsmiths>
"CONVERSE"



After a stressful week of studying, The Wordsmiths came up with a session filled with fun, interaction, team building ability called "CONVERSE". It's main motivation was to have an improvement in understanding and communicating with the team. Instead of conducting it as a competition, the activities were made up as games such as Pictionary and Jam where each individual can have fun and also do learning at the same time. It worked out really well and gave the club leads more confidence to come up with many more events and sessions filled with fun and learning.

<Webegetter>
Webathon phase-1

Webegetter, the web development club of our department organized their first 4 hour competition named Webathon phase-1. The main objective of this activity was to indulge interest in students about web designing sites like Figma and Whimsical. First 45 minutes of the session was taken up by the club leads to give briefing about these sites and their working. Later the web competition began as all the groups started their individual designing process using Figma. It was an intense 3 hours activity, spurting one's creative and innovative skills in designing. This session helped one to understand the importance of online designing tools and how easy it can be to use while working on technical projects. These designs were created for the respective group minor projects in web development which was very thoughtful. In the end, the faculty evaluated every design and their purpose . It was a new and joyous experience for all. Eagerly waiting for Webathon phase-2 as phase-1 turned out to be a great success.



"Webathons are where your creativity becomes reality."

<Socify>

Debate Activity

"Social media", a powerful platform which yet makes us weak. It was this activity conducted by the Socify club which brought in many pros and cons on the topic social media. This activity promoted critical thinking, communication skills, research techniques, and listening skills in the participants. Students expressed their opinions about social media and stood up to their thoughts with lot of dedication. Everyone participated in this activity with great enthusiasm. It also helped every individual to boost their confidence and lifted up their courage to speak up. Hoping to have many more interesting and skill-based activities.

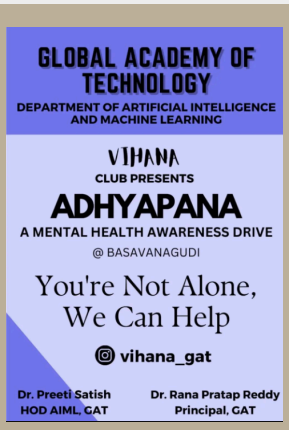
<Vihana>

ADHYAPANA

Team Vihana organised "Adhyapana," a campaign to raise awareness about mental health, at a government school in Basavanagudi. Spreading awareness about mental health to students and bringing about a radical transformation in society was the main objective of this activity. It was a great step to take as we know that many students have dealt with metal health issues knowingly or un-knowingly.

The group educated them on the value of mental health and how to deal with any problems they might be having with it. They also conducted some fun activities with the younger fellow mates. Students gained knowledge about the significance, signs, and treatments for mental illness. It was a new learning experience for our club leads and participants too. They also gave them the confidence that they were not alone in it and provided courage and platform to speak up if they were under any pressure.

Overall, the session was both inspiring , educational and entertaining.



Invited Talk

<Techcrunch>

IEEE is the world's largest technical professional organization committed to the advancement of technology. Mr. Pruthvi Raj R, an IEEE UVCE chairperson and section student representative, paid a visit to our campus to raise awareness of IEEE and to explain the advantages of being a member. The talk mainly consisted of history of IEEE, its hierarchy and classification based on various societies and their chapters. He introduced us to the IEEE Computer Society, which has over 350 student branch chapters world wide. A briefing about different types of memberships and its fees was given. He also discussed his own experience and how participating in events and conferences gave him more self-assurance. He informed us about the importance of membership in getting internships and jobs. Overall, it was an informative session that inspired and motivated many students to join IEEE.

External Participiation

<Hackzon-2023>

Hackzon-2023, a National Level Student run hackathon that was conducted by the Department of Computer Science and Engineering of New Horizon College of Engineering. The main motive was to promote innovative thinking in students and to enhance their employability skills. This also encouraged in building teams with peers from multiple colleges and different backgrounds helped everyone to gain valuable insights and confidence on how to move ahead with their careers. It helped each individual to accentuate their programming and hacking skills through this competition. It was a new experience for the students of our department and also gave them the height of competition. Four teams of our department had participated in this hackathon and came out with new ideas and information.

Global Academy of Technology

Department Of Artificial Intelligence and Machine Learning

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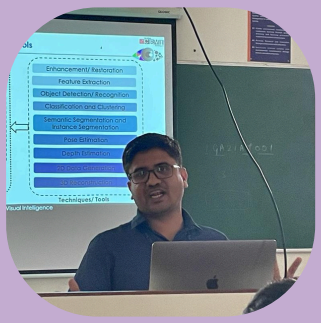
A Monthly Newsletter

February edition , 2023



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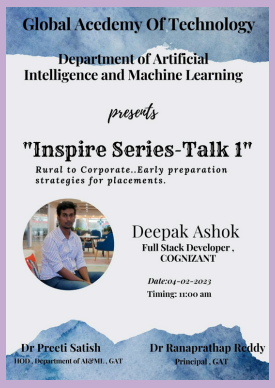
EVENTS OF THE MONTH

1. INSPIRE SERIES TALK-01
2. INSPIRE SERIES TALK-02
3. VISUAL INTELLIGENCE& DEEP LEARNING
4. MAITRI
5. PORTFOLIO CREATION
6. CSS & BOX MODEL INTRO SESSION
7. CHATBOT
8. PLACEMENT ACTIVITY

Inspire Series Talk-01

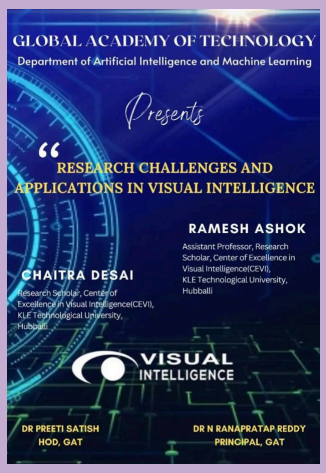


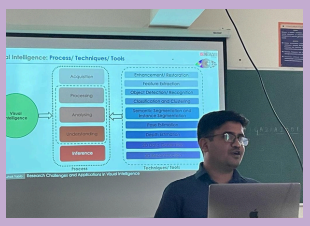
A talk that inspires people's aspiration and leads them forward towards it is called as Inspire talk . It was a great pleasure to have Mr. Deepak Ashok who's life was a great example to every young minds to get on with their goals . He taught us on how to be smart in this corporate world. He gave his life experience about the process every engineering student goes through. He filled in confidence and made us realize that nothing is impossible. There is no barrier that can stop a person in reaching his aim . He introduced new platforms to improve in coding. He gave us a path in which hard work and smart work was going hand in hand to reach goal. On the whole , it was an inspiring talk.

Inspire Series Talk-02

The second series was about building in new ideas on how to create , manage and present the projects. It was a session which gave a immense knowledge on how to create projects , on how to pitch in ideas. The expertie himself is an analyst at Goldman Sachs , he was an inspiration to all the young minds. The session gave importance of projects and thier improvisation using different web tools . The session also spoke about hackathons , how important and efficient it is to participate in it. He also gave his experience when he had competed in hackathons. It was an amazing talk which showed lights on new paths and new ideas to follow. There were many takeaways from this session , creativity , continuity , focus and many more. The session made every individual to think on to something and gave a good start to all pf the projects. It set a great example in everyone's minds which can be followed while working on any tools or platforms or any projects. On a jest , the talk really made a great impact on everyone.

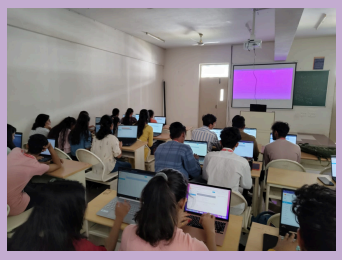
VISUAL INTELLIGENCE & DEEP LEARNING





The talk regarding visual intelligence, the ability to perceive, analyze, and comprehend visual information and the research challenges and applications of it was conducted . The seminar was conducted by the source persons from Excellence in Visual Intelligence (CEVI) KLE Technology University, Hubballi. It was not just confined to visual intelligence but, the talk started off with general knowledge regarding artificial intelligence and machine learning . The more they dug, the more they divulged their entire visual recognition and intelligence expertise. It provided a wealth of information. The session's main takeaways were the scope of machine learning, deep learning, and visual intelligence. Their accomplishments were inspiring. They provided a lot of exposure.

CHAT BOT



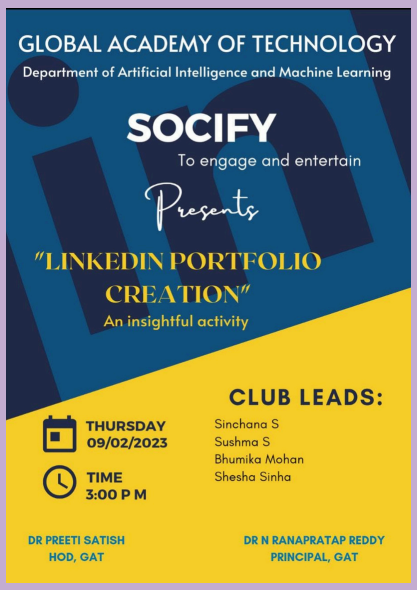
A session on developing our own chat bot, to allow humans to interact with digital devices as if they were communicating with a real person by simulating and processing human conversation (either written or spoken) was taken up by the AI&ML seniors. It was completely a hands-on session in which the seniors taught everyone how to create their own cake shop chatbot and link it to our Telegram account.

They helped and guided us as we started working on our project. It was a very productive session.

Everyone enthusiastically participated in the session, eager to learn something new and different.

SOCIFY

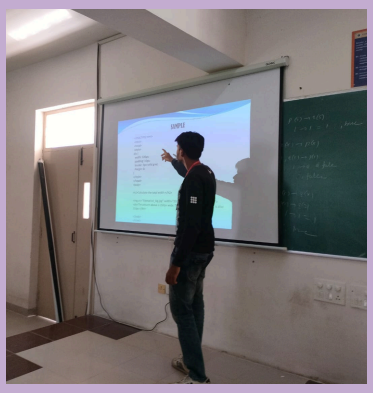
PORTFOLIO CREATION



The Social media club 'Socify' came up with the idea of a workshop on creating a LinkedIn portfolio. Portfolio creation is an important step in showcasing our skills, talents, and achievements to potential employers. For a portfolio to have an impact it requires careful consideration of the content, layout and presentation. a clear cut portfolio showcases ones actual personality. The team taught everyone basic steps in creation of LinkedIn posts by showing short videos and encouraging all to create a post of their own. By the end of the session every individual were able to create and post their achievements perfectly. Overall, the session was thoughtful and helpful to everyone.

WEBEGETTER

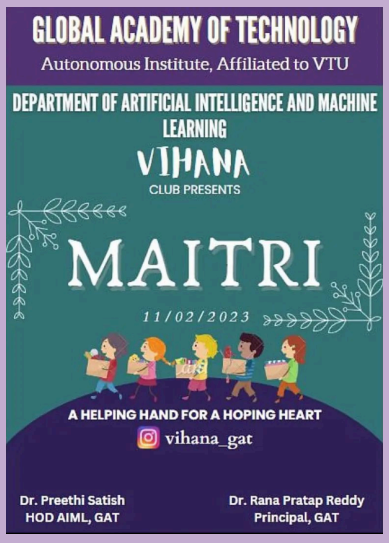
CSS & BOX MODEL



'Webegetter' the web development club gave an introduction session on CSS and Box Model which are the essential concepts for web developers and designers to understand as they form the foundation of modern web design. The CSS box model as a whole applies to block boxes and defines how the different parts of a box — margin, border, padding, and content — work together to create a box that you can see on a page. The session was about these two concepts and how they work together to create visually appealing and functional web page. It was an informative and amazing workdhop.

VIHANA

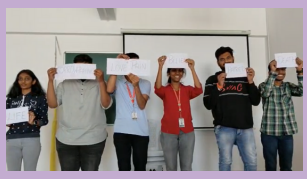
MAITRI



"**Alone we can do so little; together we can do so much**".Following the words of Helen Keller, team Vihana organized "Maitri," a programme designed to teach kids life skills through engaging activities at "Ananda Marga orphanage". The team's thoughts was that there is nothing greater than love invested in helping to feed the impoverished living in hunger. The club leads engaged the younger crowd with various activities like small crafts using origami sheets and outdoor games like throwball. The kids had an amazing time learning and interacting with new people giving them a boast in confidence and basic interactive skills. The Vihana team distributed a meal as a way to make the children smile and had a meaningful lunch together. Overall the session was filled with values. The main goal of teaching the children about the importance of life skills and feeding them with food, hope and love was achieved.

"The best way to not feel hopeless is to get up and do something. Don't wait for good things to happen to you. If you go out and make some good things happen, you will fill the world with hope, you will fill yourself with hope."
— Barack Obama

PLACEMENT ACTIVITIES



The 1st Phase of Progressive Training Program was scheduled from 28th February 2023 to 3 March, 2023. The course offered to us was to help an individual develop basic soft skills needed in a cooperate world. The training instructor appointed, conducted various activities to achieve this goal. On the first day of training, the main focus was on personal core and enhancing one's leadership qualities and self confidence. Video based learning for these skill development was also provided. The second day was filled with enthusiasm as the class was divided into teams and each student worked hard to push their team forward. This helped everyone to have better cooperation and teamwork spirt. From building towers using paper to enacting mime shows every individual engaged themselves in all the activities.

The third day of training began with the same or even higher level of energy as many more fun based activities were conducted. The teams built their public speaking skills along with visual analysis and listening skills. Every individual thought about all the things that they were grateful for and made creative and beautiful gratitude boards. The last day of training was very informative as the activities were conducted in outdoors and great values were taught. At the end of the programme certificates were awarded to the students for completion of the course. From the start till the end the session was very much interesting, interactive, inspiring and fruitful.

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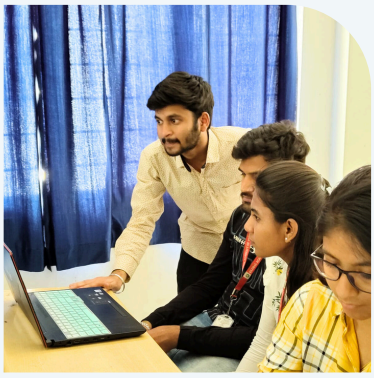
A Monthly Newsletter

MARCH EDITION , 2023



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PYTHON PROJECT

Hands-on session on creating projects using python language

LIST OF EVENTS

- PYTHON PROJECT
- BOT LAB - INAUGRATION
- AIFIESTA

The seniors of AIML conducted Python project session which was a hands-on experience. It was a highly educational session which mostly focused on providing us with the information about deep learning. Deep learning is a subset of machine learning that uses artificial neural networks. It can recognize complicated patterns and correlations in data. We don't have to explicitly programme anything in deep learning.

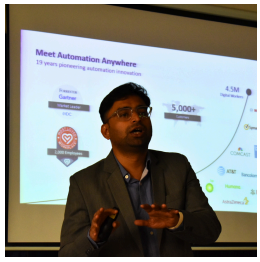
Because of increases in processing power and the availability of massive datasets, it has grown in popularity in recent years. Our seniors assisted us in developing a project that made use of several Python modules and the concept of natural language processing. Natural language processing (NLP) is a subfield of computer science, and more specifically, a subfield of artificial intelligence (AI).

BOT LAB-INAUGRATION

IN COLLOBORATION WITH AUTOMATION ANYWHERE

Go be great.

The main intent of this event was to introduce and launch new research center focused on developing and advancing capabilities of AI and robotics. This included showcasing the technology and promising an advancement in equipment and service in the upcoming years. The bot lab provides a platform for innovation and experimentation in the field of robotics. The department of AI and ML organized the inauguration of the Bot lab on 16th March, 2023.



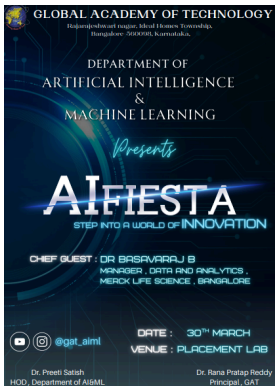
The chief guest of the day Mr. Krishna Raju S along with our honorable principal Dr Ranaprathap Reddy joined hands with our department to witness this unveiling of bot lab. Our students were excited to welcome the dignitaries with AI involved software which unwraps the official poster of our lab. Then our respected HOD Dr. Preeti Satish addressed the gathering about the intentions and plans about this collaboration. Later, the chief guest took over the stance and briefed the students about automation and robotics.

This MOU promised in providing smart facilities in innovation of intelligence to the department. After the signing, our principal addressed the gathering and encouraged the support that this collaboration is going to provide, with an inspiring presidential speech. The event planning and execution brought along every individual to work in a team and had fun by involving in many activities. The collaboration between automation anywhere and department of ai and ml is promising a positive outcome. The seminar was very informative and the event itself was a huge success.

" **ROBOTIC PROCESS** WILL HELP HUMANS BECOME **MORE HUMAN** AT WORK"

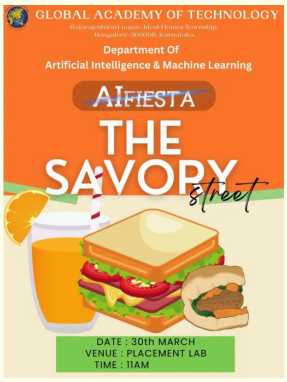
AIFIESTA

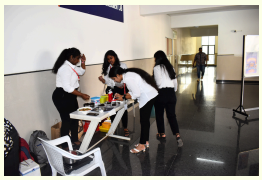
PYTHON PROJECT EXHIBITION



The first technical fest "AIFIESTA" was organized by the department of Artificial Intelligence and Machine Learning on 30th march,2023. This event marked the start of an auspicious journey in technology of our department. The chief guest of the event Dr Basavaraj B gave a head start to the event by unveiling the fest poster. The event began with inauguration of our AIML department's own youtube channel. The inauguration was initiated using gesture recognition software developed by our students. Certificates and merits were distributed to the students who won in various of the activities that was conducted along the semester. After this, the python projects exhibition was open to the audience. The students of department teamed up in a group of 4 to present innovative and inspiring mini projects using python. The students efforts and hardwork was showcased to the chief guest along with the principal and faculty.

The projects received good feedbacks along with improvement ideas which helped the students a lot and increased their confidence level. Students enthusiastically explained and illustrated their projects and answered questions related to it with great involvement.





The Savory street, food festival organized by our department was beaming with enthusiasm and crowd. The students put in their heart and soul to bring in great flavors. Overall this food stall management experience was one to be remembered and cherished. Everyone who participated in this activity gave in their all and had a great time.

GLOBAL ACADEMY OF TECHNOLOGY

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

extraordinAIr

A Monthly Newsletter

October 2023 edition

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A I D E A T H O N

UNVEILING INNOVATION!!

In a ceremonial affair graced by the presence of distinguished dignitaries, Dr. Srinivas T and Dr. Parameshachari B. D, the IEEE Student Branch embarked on its journey with an inaugural function that resonated with promise and dedication. The event, meticulously organized by the team members and core staff, unfolded as a pivotal step in the establishment of the IEEE branch. The inauguration ceremony was more than just a formal event , it was a testament to the collective determination and vision of the team. The proceedings commenced with a sense of anticipation, marking the commencement of a new era in technological exploration and collaboration. The team members, adorned with their designated badges, stood proud as symbols of their commitment to the IEEE community.

An integral part of the ceremony was the solemn oath-taking by the members. Standing united, they pledged to work in accordance with the rules, uphold the integrity of the platform, embrace challenges with resilience, and foster a collaborative spirit within the team. This symbolic act not only highlighted the seriousness with which the IEEE community was embraced but also set the tone for a collective journey towards innovation and excellence.The dignitaries, in their addresses, emphasized the significance of IEEE in shaping the future of technology and commended the team for their initiative. Dr. Srinivas T and Dr. Parameshachari B. D shared insights into the vast potential and opportunities that IEEE offers to students, encouraging them to actively engage in the diverse programs and activities that lie ahead.

Later in the day, the Ideathon competition unfolded, featuring students from diverse colleges who had advanced to the final round. There were 10 teams selected for the final round Each participant presented their chosen topic before a panel of judges, creating an atmosphere of anticipation and excitement. The judges faced a daunting task in selecting a winner, given the uniqueness and creativity demonstrated by each participant. Choosing the victor proved to be a formidable challenge. **The winner was from Presidency University , Team Zeptie. The runner was from Global Academy of Technology , Team Leaflet. The winners and runners team were awarded with cash price worth 10K and 5K.**

As the event concluded, it became evident that the Ideathon had provided valuable insights and knowledge to all participants. The competition was a resounding success for the IEEE members, marking a significant milestone in their journey. This initial step towards their long-term goals was undeniably fruitful. The triumph was a collective achievement, with due credit accorded to the dedicated team, supportive faculty, and all participating students. The success of the Ideathon underscored the collaborative spirit and commitment of the IEEE community.

IEEE STUDENT CHAPTER MEMBERS

- **CHAIRPERSON**: HARSHITHA K SHIGGAVKAR
- **VICE-CHAIRPERSON**: RITESH KUNDAR
- **SECRETARY**: PRIYANKA C
- **TREASURER**: BHUMIKA M
- **WEB MASTER**: PRAJWAL P PATIL
- **MEMBER**: NAMRATHA N B
- **MEMBER**: PRATHEEKSHA R RAO
- **MEMBER**: ADARSH N T
- **MEMBER**: SINCHANA S
- **MEMBER**: LOKESH KARALE
- **MEMBER**: ABHISHEK KUMAR
- **MEMBER**: MANDHARA BHUSHAN

Global Academy of Technology

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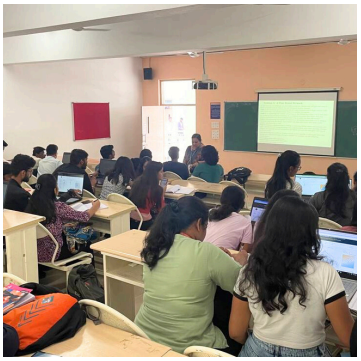
A MONTHLY NEWSLETTER

DEC,2023 EDITION



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DR. PREETI SATISH
PROFESSOR AND HEAD OF DEPARTMENT OF AI&ML, GAT

DR. N RANAPRATAP REDDY
PRINCIPAL, GAT

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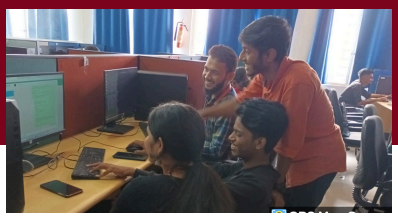
List of Events

UNIX FUNDAMENTALS
MACHINE LEARNING BRIDGE COURSE
PLACEMENT TRAINING
SOCIFY- LINKEDIN & GITHUB PROTFOLIO
THE WORDSMITHS-CONVERSE
THE FRESHER'S PARTY

VALUE ADDED PROGRAM ON "UNIX FUNDAMENTALS (UBUNTU)"



The "Unix Fundamentals (Ubuntu)" value-added program hosted by the Department of Artificial Intelligence and Machine Learning was structured as an immersive 6-day course held from 4th to 9th December 2023. This course, guided by Prof. Lakshmikantha G C, provided a comprehensive understanding of the Ubuntu operating system, a prominent and user-friendly Linux distribution. Throughout the 30-hour duration, participants engaged in a hands-on learning experience of Ubuntu. The course covered essential aspects such as installation procedures, system configurations, and practical applications across diverse environments. This immersive approach ensured that students not only gained theoretical knowledge but also developed practical skills vital for their academic pursuits and future professional endeavors for a wide array of roles within the IT sector. Overall, the value-added program provided a platform for students to enhance their understanding of Unix fundamentals, particularly focusing on Ubuntu, thereby empowering them with practical skills essential for success in both academic and professional spheres.

BRIDGE COURSE ON MACHINE LEARNING

The bridge course in machine learning programming was a 3 days course from 13th to 15th December 2023. This programme focused on cultivating essential skills in participants, aiming to strengthen their proficiency in programming languages like Python, introduce them to key machine learning libraries/frameworks, and equip them with foundational knowledge to handle data, construct basic machine learning models, and assess model performance. Through hands-on exercises and projects, the course instills a practical understanding of model evaluation metrics while setting the stage for continuous learning and enabling a smooth transition towards more advanced machine learning programs. Overall this course was helpful for students to understand more about machine learning concepts.

"THE MAGIC OF MACHINE LEARNING IS NOT IN ITS COMPLEXITY BUT IN ITS SIMPLICITY - THE ABILITY TO DISTILL INTRICATE PATTERNS FROM DATA, REVEALING THE ELEGANCE HIDDEN WITHIN."

SOCIFY- SYNC EXPO

Wordsmiths, our department's content writing club, arranged a lively session with a focus on communication skills. Developing one's communication abilities helps one express oneself effectively, form meaningful connections, and function in a variety of situations. Playing Pictionary, the participants thoroughly enjoyed improving their written and vocal communication skills as well as their confidence in both social and professional settings.

The social media engagement club Socify organized a sync expo where the students were shown a demo about how to create an account in LinkedIn and GitHub. The team demonstrated on how to create a portfolio and post professionally to find a right job in LinkedIn. Along with demonstration the students were instructed to create their profiles and post any of their certificates using the right text and phrases in the given time period under the guidance of the club coordinators. Along with this, students were informed about the importance and usage of GitHub. Demonstration on how to create an account in GitHub and find existing codes and projects was given. Overall the session can be summarized as an effective and useful hands on activity conducted to the young students of our department.

THE WORDSMITHS - CONVERSE

PLACEMENT TRAINING PROGRAM

A worthwhile session on placement process was conducted by the seniors which primarily focused on placements. The program served as a vital bridge between college and dream job. It improved participants skills in tech, communication, and problem-solving, equipping them with real-world knowledge valued by companies. Through the development of soft skills, interview preparation, and resume optimization, they assisted in boosting confidence. While providing support for job placement, the program sought to guarantee that participants succeeded in their chosen fields in addition to obtaining placements. Overall, it was an informative session that inspired many students

THE FRESHER'S PARTY

The fresher's day event organized on 27th December 2023, was a vibrant and memorable occasion, marking the commencement of a new academic journey for the incoming students. To welcome the juniors into our artificial intelligence and machine learning department the event inaugurated with heartfelt speech from Dr.Preeti Satish, HOD AIML dept, extending warm welcome and words of encouragement to the newcomers. Cultural performances and engaging activities that involved our joyful students infused the atmosphere with energy and enthusiasm, showcasing the diverse talents and cultural richness of the student body. Through interactive sessions and games, a sense of creativity was fostered among the freshers, encouraging connections and friendships. The event concluded on a positive note, leaving the new students excited and optimistic about their upcoming experiences with our department.

CHRISTMAS CELEBRATION

The batch of 2022 of Artificial Intelligence & Machine Learning department organized a vibrant cultural event on December 22nd to celebrate the birth of Jesus Christ. With enthusiastic participation from students and faculty, meticulous planning led to a beautifully decorated venue and engaging activities. The day included interactive games, student talent showcases, a presentation on the significance of Christ's birth, music and a captivating poetry recital. The event concluded with shared treats and a special cake-cutting ceremony, fostering cherished memories and a deeper understanding of the significance of Christmas. The event was successfully implemented in the presence of Dr. Preethi Satish, HOD AI&ML, Asso. Professor Christine Shanuja, faculty members and students of the department . Their dedicated contributions was the key to the event's success.

JAN 2024 NEWSLETTER

GLOBAL ACADEMY OF TECHNOLOGY

DEPARTMENT OF ARTIFICIAL INGTELLIGENCE & MACHINE LEARNING

EXTRAORDINAIRE

A MONTLY NEWSLETTER

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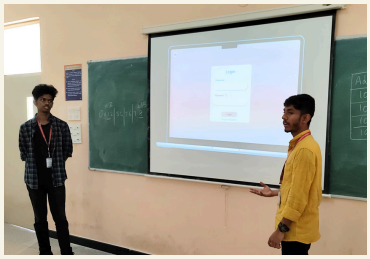
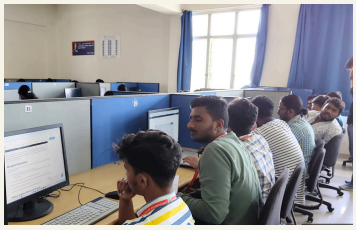
List of Events

WEBEGGETER - WEBATHON 2.0
PLACEMENT TRAINING
BRAINOVISION - WORKSHOP & HACKATHON
TECH-FUSION - IEEE

WEBATHON PHASE 2.0





The Webathon Phase 2.0 event, organized by the Web Development Club of the AI&ML department on January 6th, 2024, marked a significant milestone as a resounding success, fostering innovation and collaboration among enthusiastic participants. The event served as a catalyst for creative thinking and the development of practical solutions to real-world challenges. Throughout the event, students engaged in a transformative learning journey, and gaining hands-on experience. The focus on bridging theoretical knowledge with practical applications allowed participants to not only enhance their technical skills but also encouraged them to think critically about the integration of AI and ML in diverse contexts. Under the guidance of experienced club leads and dedicated volunteers, teams presented captivating projects, showcasing their teamwork and skills. The Webathon Phase 2.0 event played a crucial role in providing a platform for students to apply their theoretical and creative knowledge to real-world scenarios, fostering a deeper understanding of the potential applications of AI and ML. We applaud the enthusiasm and dedication of our AIML juniors, whose valuable contributions have propelled the department towards new heights of excellence in innovation and technology.

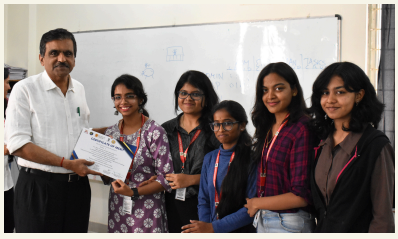
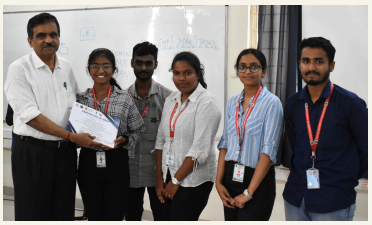
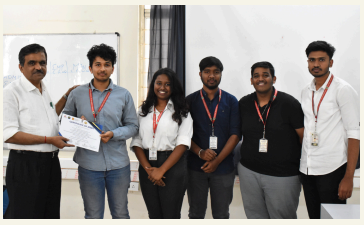
The success of the Webathon Phase 2.0 is a testament to the commitment of our students and the impactful role that collaborative initiatives play in shaping the future of technology within our academic community.

PLACEMENT TRAINING

A thought-provoking 5-day placement training session was held by the college from January 9th to January 13th, 2024.Placement training is a specialized program aimed at preparing individuals for the job. They mainly focused on empowering us with essential skills tailored to excel in the competitive job market. From mastering aptitude tests and navigating group discussions to understanding interview ethics and honing interview preparation strategies, each day was packed with valuable insights and practical techniques to elevate your readiness for professional success. To conclude this enriching program, keep in mind that our college is committed to our development and achievement. With our newly acquired knowledge and abilities, we are now well-equipped to embark on our career journey with confidence and enthusiasm. Students were inspired to work harder after they received certificates for excelling in the program on the last day of training.

BRAIN O VISION

The Python Full Stack using React.js workshop and hackathon program, conducted from 29th January to 02nd February, 2024 organized by Brain O Vision in collaboration with the Department of Artificial Intelligence & Machine Learning at Global Academy of Technology (GAT) with a strength of 125 students of both semesters, offered an intensive learning experience designed to equip participants with the skills and knowledge required for full-stack web development. Over the course of three days, participants will delve into various aspects of React.js, a popular JavaScript library for building user interfaces, and its integration with Python backend technologies such as Flask or Django.

Through hands-on sessions and practical exercises, participants will gain proficiency in React.js fundamentals, advanced concepts, and the process of integrating front-end and back-end components to develop robust, full-stack web applications. With guidance from experienced mentors and faculty coordinators, participants will have the opportunity to apply their newfound skills in a hackathon setting, collaborating with peers to solve real-world challenges and showcase their creativity and innovation. Don't miss this opportunity to expand your skillset, network with industry professionals, and take your first steps towards a successful career in full-stack web development.

TECH-FUSION

Tech-Fusion, an engaging technical quiz competition jointly organized by the IEEE Computer Society and the AIML Branch on 24th January 2024 delivered a captivating experience through its four rounds of intellectual interaction. The event skillfully combined multiple-choice questions and rapid-fire rounds, creating an environment where participants had to demonstrate their extensive knowledge of technology and computing. Participants, driven by their passion for technology, found a valuable platform in Tech-Fusion to showcase their expertise and quick thinking. The challenging rounds engaged participants in a stimulating manner, pushing them to explore various facets of technology. As the competition unfolded, one participant emerged as the victor, securing the coveted title and a cash prize of 1,000 rupees. Beyond the competitive aspect, Tech-Fusion played a crucial role in conclusion, Tech-Fusion succeeded in creating a dynamic and enriching experience, uniting technology enthusiasts, and leaving a lasting impact on the participants and the broader community. In fostering healthy competition among participants.

STUDENT'S **TRIUMPH**

"We take immense pride in spotlighting the remarkable achievements of our students, who have consistently demonstrated excellence, innovation, and dedication in their academic pursuits, bringing honor to our institution department and fostering a culture of success within our community."

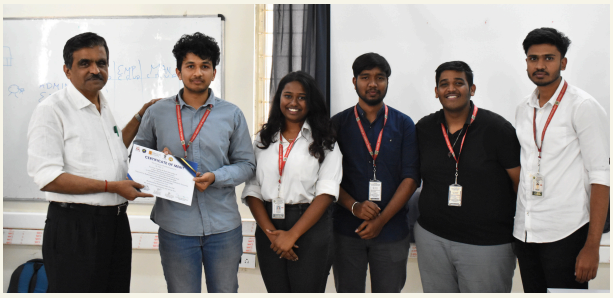
PES UNIVERSITY , MANDYA

1st

BHUVAN S A , SAI DEEP K , PRAJWAL P PATIL , GOUTHAM G TEAM SECURED **FIRST PLACE** IN **HACKSPRINT HACKATHON** CONDUCTED AT PES COLLEGE MANDYA .

BRAIN O VISION

1st

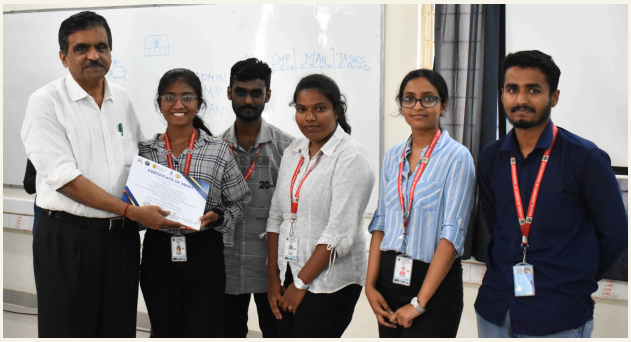


BHUVAN S A , SAI DEEP K , PRAJWAL P PATIL , GOUTHAM G , SHREYA KUMARAN TEAM SECURED **FIRST PLACE** IN **WORKSHOP CUM HACKATHON IN COLLABORATION WITH BRAINOVISION AT GAT.**

2nd

SURABHA AND TEAM SECURED **SECOND PLACE** IN **WORKSHOP CUM HACKATHON IN COLLABORATION WITH BRAINOVISION AT GAT.**

3rd



RACHANA AND TEAM SECURED **THIRD PLACE** IN **WORKSHOP CUM HACKATHON IN COLLABORATION WITH BRAINOVISION AT GAT.**

HACK-A-LEAGUE

2nd

BHUVAN S A , PRAJWAL P PATIL , GOUTHAM G TEAM SECURED **SECOND PLACE** IN **HACK-A-LEAGUE HACKATHON** CONDUCTED BY CS DEPARTMENT AT GAT.

Global academy of technology

Department of artificial ingtelligence & Machine learning

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A MONTLY NEWSLETTER

May-June 2024
Edition

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List of Events

LETV INGAURATION
ADVANCED JAVA - VAP
CPU-OS - VAP
LETV SESSION-2

LETv Inauguration

May 20th, 2024 marks the successful inauguration of LETv, an event designed to provide a platform for individuals to share insights on a wide range of technical and life skill topics. LETv stands for Learning, Engaging, and Teaching via talks, where participants can gain knowledge, network, and enhance their skills. The event kicked off with an inspiring talk by Bhuvan S. A, a dedicated student from the AI and ML Department. Bhuvan shared his profound insights on Artificial Intelligence, discussing its current trends, potential future developments, and how AI is transforming various industries. His engaging presentation set a high standard for the series of talks to follow.

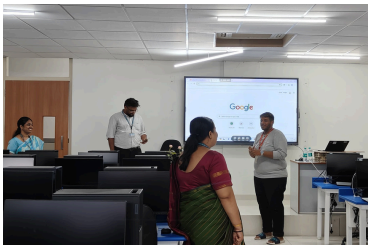
The second speaker of the day, Asst Prof Shubha G N, captivated the audience with her talk on Effective Communication. She emphasized the importance of clear and concise communication in both professional and personal settings, offering practical tips and strategies to improve our daily interactions. Her expertise and engaging style left a lasting impression on everyone in attendance.

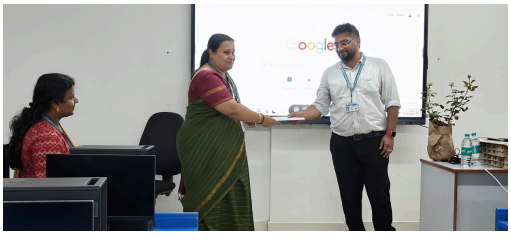
The event was well-received, with participants eagerly engaging in discussions and networking opportunities following each presentation. With its successful launch, LETv promises to become a cornerstone event for those passionate about continuous learning and personal development.

LETv aims to be a recurring event, fostering a community of learners and enthusiasts eager to share their knowledge and experiences.

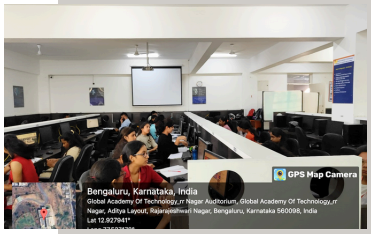
ADVANCED JAVA-**VAP**

The comprehensive 5-day Value Added Program, organized by the IEEE Computer Society Student Branch Chapter from June 3rd to June 7th, 2024, aims to equip professionals with essential Java programming skills and advanced concepts in the Spring Framework. Participants will gain hands-on experience with Java programming, covering topics such as classes, inheritance, exception handling, and the Java Collections Framework. The program also delves into Spring Framework essentials, including Inversion of Control, Dependency Injection, Spring Boot, Aspect-Oriented Programming, and Spring ORM for data access. Through lectures, practical exercises, and real-world case studies, attendees will develop the expertise needed to excel in Java development roles. The Advanced Java workshop, emphasizes foundational skills in Java programming, utilization of Java Collections, mastery of Spring Framework concepts, and practical application development. Each day focuses on different aspects, from Java fundamentals to advanced Spring concepts and Spring ORM implementation with JPA. The outcomes include enhanced technical proficiency, industry-ready skills, improved problem-solving abilities, increased employability, and a comprehensive understanding of Java frameworks. The program's objectives are to enhance skills, ensure industry relevance, provide an in-depth understanding of the Java ecosystem, optimize performance, and improve software design and architecture.





CPU-OS VAP



The Value-Added Program (VAP) on CPU-OS Simulators offers a comprehensive learning experience, starting with an introduction to CPU architecture and operating system functions. Participants gain proficiency in writing and debugging assembly language programs, memory management techniques like paging and segmentation, and process scheduling algorithms. The hands-on sessions and lab exercises allow them to apply theoretical concepts in practical scenarios, analyzing performance and optimizing system configurations.

The final project consolidates their knowledge, as they design and implement a comprehensive simulation, demonstrating mastery of CPU-OS interactions and optimization strategies.

By the end of the program, participants will have a thorough understanding of operating systems, practical skills in using CPU-OS simulators, enhanced problem-solving abilities, and knowledge of embedded systems. The program's objectives are to enhance skills, ensure industry relevance.

This preparation makes them more competitive for careers in technology, equipped with essential skills in computer architecture and operating systems. The program emphasizes both theoretical concepts and practical applications, bridging the gap between academic learning and real-world challenges in computer science and engineering.

LETv SESSION-2

The LETv session delved into the intersection of machine learning, art, and life skills, showcasing how technology can enhance creativity and personal development. Participants discovered how machine learning algorithms can push the boundaries of traditional art forms, enabling artists to create groundbreaking works that challenge norms. The session also emphasized the importance of integrating life skills such as critical thinking, adaptability, and communication in a technology-driven world. This blend of technology and creativity fosters a synergy between modern technology and traditional craftsmanship, encouraging continuous learning and adaptability amidst rapid technological advancements.

As a result of the session, participants gained insights into leveraging machine learning tools for artistic innovation and developed improved critical thinking and problem-solving abilities. They also enhanced their adaptability and resilience, preparing them to navigate and thrive in an ever-changing digital landscape. The session strengthened their collaborative and communication skills, essential for working in interdisciplinary teams that blend art, technology, and craftsmanship. Overall, participants left with a broader perspective on the potential of technology to enrich and transform artistic practices, inspiring them to embrace new methods and tools in their creative endeavors.

GLOBAL ACADEMY OF TECHNOLOGY

DEPARTMENT OF ARTIFICIAL INGTELLIGENCE & MACHINE LEARNING

May-June Edition

extraordinAIre

A MONTLY NEWSLETTER

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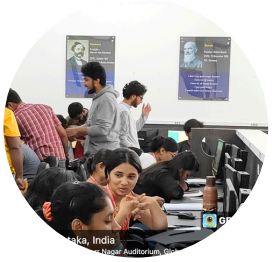

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AUG - SEP EDITION

Our VISION

To provide progressive education and create transformative professionals and leaders to harness the power of technology and make a positive impact on the society.

Our MISSION

- Quality Education: To adopt a student centric curriculum delivery process with emphasis on problem solving and programming skills.
- Innovation: To collaborate with industries and professional bodies and make the students industry ready. To drive innovation through multi-disciplinary research and development activities.
- Skill Development & Ethics: To endorse additional skill development through student forums and experiential learning. Inculcate human values for a smarter and ethical world.

Program Specific Outcomes (PSO):

- Graduates will be Proficient in programming and problem-solving skills for developing, managing software and distributed systems.
- Graduates will be able to identify, formulate, predict and solve real world problems by applying principles of Artificial Intelligence & Machine learning.

Program Educational Objectives:

- Able to practice and implement their success skills like problem solving, communication and collaboration for providing innovative engineering solutions.
- Contribute their AI & ML expertise grounded in computer science as members and leaders of professional engineering teams in multidisciplinary applications.
- Demonstrate lifelong learning through continued professional development and higher education in top graduate technical, research and management programs.
- Demonstrate a commitment to society by applying the skills and knowledge for a smarter and ethical world.

List of Events

WEBATHON
LETV SESSION-3
TECHNICAL TALK
OPEN DAY

W E B A T H O N

unleash your creativity in the ultimate web application development competition!

The inter-college webathon held on July 12th and 13th, 2024, was a dynamic event that brought together aspiring web developers for a rigorous competition of creativity and skill. Day one commenced with insightful sessions from industry experts Sachin C Sardeshpande Business Intelligence Specialist , ARM and Nisha Shree S Analyst KPMG, providing crucial guidance on web development strategies and fostering collaborative teamwork among participants. Teams worked tirelessly to conceptualize and initiate their web applications, utilizing tools like Figma and CSS to design user-friendly interfaces. Throughout the day, participants engaged in iterative processes, seeking feedback from mentors and refining their projects to better meet the competition's standards. The event fostered a sense of community, as developers shared ideas, learned from each other, and leveraged their diverse skill sets to create something remarkable.

On day two, under the mentorship of Arpita K Shiggavakar and Akhil JM Co-Founder Fusign Innovation LLP, teams refined their projects to enhance functionality and optimize user experience. The climax of the event featured the top 21 teams presenting their fully developed web applications, showcasing innovation and technical prowess. The judges evaluated projects based on creativity, effectiveness, and design, ultimately awarding the top three teams with a significant cash prize. Beyond competition, the webathon provided valuable networking opportunities and real-world exposure, empowering participants with enhanced technical skills and a deeper understanding of industry standards in web development.

- FIRST PLACE: TEAM-25 - SHRIVATSA K S, RAGHAV S BHAT, G VISHNU DATTA. CASH PRIZE OF 5000/-
- SECOND PLACE: TEAM-54 - DHANUSH M , RISHABH BHARADWAJ R. CASH PRIZE OF 3000/-
- THIRD PLACE: TEAM-12 - SREYAS C , SUMAN NAIDU R CASH PRIZE OF 2000/-

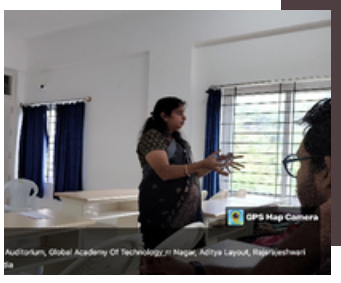
LETv SESSION - 03

On-the-spot debates, or impromptu debates, push participants to think critically and communicate effectively in high-pressure situations. Given only a few minutes to prepare, debaters must quickly assess the topic, determine their stance, and craft clear, persuasive arguments. The limited time fosters a reliance on instinctive reasoning and adaptability, as participants must engage with their opponents' viewpoints and respond in real-time, often without the luxury of in-depth research. The structured nature of these debates, with opening statements, rebuttals, and closing arguments, requires participants to be concise yet compelling in their delivery.

In addition to sharpening public speaking skills, impromptu debates help individuals learn to manage stress, remain composed, and think on their feet—all while delivering logical and persuasive points. Debaters must draw on general knowledge, current events, and personal experiences to substantiate their arguments, making these debates a valuable tool for broadening intellectual horizons and staying informed on diverse topics.

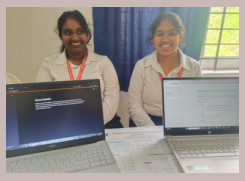
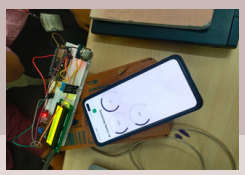
TECHNICAL TALK

Intellectual Property Rights (IPR) are essential for emerging engineers to protect their innovations, designs, and creative works from unauthorized use, while fostering ethical practices and collaboration. Understanding the various forms of IPR, such as patents, trademarks, copyrights, and trade secrets, allows engineers to legally secure their intellectual assets and avoid potential legal issues. By incorporating IPR into the research and development process, engineers can enhance career prospects, leverage their creations for revenue, and contribute to a culture of innovation. Awareness of the legal processes involved in filing and protecting IP further prepares engineers to navigate challenges like disputes and IP theft. In addition to safeguarding their inventions, IPR knowledge empowers engineers to strategically use their intellectual assets to gain a competitive edge in the market. By securing exclusive rights, engineers can monetize their innovations through licensing, commercialization, or partnerships, creating new revenue streams.



OPEN-DAY

Mini-project exhibition

A showcase of mini-projects during an Open Day event gives students a dynamic opportunity to showcase their technical proficiency, creativity, and dedication to peers, faculty, and industry experts. In addition to showcasing their problem-solving abilities in a variety of domains, students can showcase the entire project journey—from original ideas to finished execution—in this interactive exhibition. The chance to interact directly with creators, learn from their experiences, and discover the creative methods each student has adopted will be available to attendees. The projects will be assessed by an esteemed jury comprising Vaishnavi Revankar Senior Consultant , MBRDI , Athreya Praturi Senior Data Engineer , Scienaptic AI , and Govardhan N Reactjs Developer, Publicis Sapient , who will offer insightful criticism and acknowledge outstanding work.

Collaboration, knowledge exchange, and the development of a lively learning community are all encouraged by the event. Furthermore, by bringing in business leaders, the Open Day bridges academia with real-world applications, offering students both exposure and constructive insights for future endeavors.

FIRST PLACE:

PRAJWAL P PATIL & PAVAN S

SECOND PLACE:

BHUVAN S A & ROHAN S

THIRD PLACE:

SAI DEEP K & GOUTHAM G