

HORIZON

A comprehensive research and tech magazine



New DIMENSIONS

SRI VENKATESWARA COLLEGE OF ENGINEERING

Sriperumbudur-602117

Autonomous-Affiliated to Anna University

DEPARTMENT OF
INFORMATION TECHNOLOGY

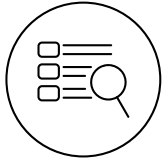


TABLE OF CONTENT

Vission, Mission	01
PEOs, POs, PSOs	02
About the Department	04
Message from the Secretary	05
Message from the Principal	06
Message from the HOD	07
The Student Council	08
From the Editor	09
Articles	10
Student Achievements	38
Extra-curricular Activities	51
Sports	52

VISION

To be a leader in Higher Technical Education and Research by providing the state of the art facilities to transform the learners into global contributors and achievers.

MISSION

To develop SVCE as a "CENTRE OF EXCELLENCE" offering Engineering Education to men and women at undergraduate and postgraduate degree levels, bringing out their total personality, emphasising ethical values and preparing them to meet the growing challenges of the industry and diverse societal needs of our nation.

DEPARTMENT OF INFORMATION TECHNOLOGY

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VISION

To produce higher caliber technologists and scientists for helping the country to attain new heights in Information Technology research and industrial needs to provide leadership in the field of technical education.

MISSION

1. To develop the department into a **“Centre of Excellence in Information Technology”** offering engineering education to the students at Undergraduate, Postgraduate and Doctoral degree levels.
2. To build students' total personality emphasizing ethical values, and nurture them to meet the growing challenges in the Information Technology industry.
3. To examine the research challenges and cater diverse societal needs of the Nation.





PROGRAMME EDUCATIONAL OBJECTIVES (PEOS)

The B.Tech Information Technology programme has the following Programme Educational Objectives(PEOs):

1. The graduates of Information Technology program will demonstrate themselves as leading professionals.
2. The graduates of Information Technology program will be equipped with the necessary skills to become proficient researchers.
3. The graduates of Information Technology program will demonstrate their abilities as successful entrepreneurs.
4. The graduates of Information Technology program will excel in higher studies or modern administrative services.

PROGRAMME OUTCOMES (POS)

1. **Engineering Knowledge: Engineering Knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.
2. **Problem Analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
3. **Design / Development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
4. **Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
5. **Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
6. **The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
7. **Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
8. **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9. **Individual and team work:** Function effectively as an individual and as a member or leader in diverse teams, and in multidisciplinary settings.
10. **Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
11. **Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
12. **Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.



PROGRAMME SPECIFIC OUTCOMES (PSOs)

The B.Tech Information technology programme demonstrates the following two Programme Specific Outcomes (PSOs):

1. Exhibit proficiency in examining standard business operations in order to create and implement suitable Information Technology solutions.
2. Demonstrate the ability to establish an IT infrastructure, effectively manage resources, and ensure data security.



ABOUT THE DEPARTMENT

“ National Board of Accreditation (NBA) for 6 years upto (30-06-2022) ”

In 1996, Sri Venkateswara College of Engineering pioneered the introduction of the B.Tech degree programme in Information Technology under the affiliation of University of Madras. This is the first of its kind in Indian Universities. The department fulfills the requirements for the award of B.Tech Degree of Anna University. The Venture was initiated under the guidance of our patron Dr. A. C. Muthiah and with the blessings of the Kanchi Paramacharya. When we started, the batch size was 30. This increased to 60 in 1998 and scaled up to 120 by the year 2000. Our growing numbers is indicative of the highly qualified and extremely dedicated teaching faculty of the department who strive for excellence in every sphere of their expertise. It is the constant endeavor of the department to be in touch with changing needs of the IT industry so as to be responsive in terms of modifications and introduction of new courses to adapt to these technological changes.



MESSAGE FROM THE SECRETARY

Dr. M. Sivanandham
SECRETARY

Information Technology is a field that is so dynamic and evolving. This is an era dominated by Information Technology and professionals specialized in this field are always in high demand. IT specialists, apart from having sound technical knowledge, must have good problem-solving and logical reasoning skills, as well as have excellent communication skills. These characteristics of an IT professional demand periodic update of IT knowledge. I am happy to learn that the Department of Information Technology of SVCE is bringing out a magazine featuring changes in this field, including innovations and inventions. I am sure that this magazine will not only involve in the dissemination of new knowledge but also inspire others to get involved in active research to solve industrial and social challenges. I wish the Editor and Editorial Team a great success in their effort to start this magazine and continue to keep it as the best IT Technical magazine



MESSAGE FROM THE PRINCIPAL

Dr. S. Ganesh Vaidyanathan
PRINCIPAL

Technology today has found its way into even those walks of life that a decade back was considered untouchable by technology. The world has seen many innovations and inventions. It has not reached saturation and never going to. These inventions and innovations lose their meaning or purpose when they do not reach the masses. The Department of Information Technology has come up with a novel idea to release a magazine with details of all research work done by the faculty members and the students in the IT department, apart from introduction to the latest technologies happening in the world. I'm sure that the magazine will succeed in its purpose. I congratulate the Department on their initiative and wish them luck and success in this venture.



MESSAGE FROM THE HOD



Dr. V. Vidhya
HEAD OF THE DEPARTMENT

Sri Venkateswara College of Engineering was the pioneer in introducing the B.Tech degree programme in Information Technology under the affiliation of the University of Madras in 1996. This was the first of its kind among Indian Universities. The department that inducted with 30 admissions has gradually increased to 120 in strength from the year 2000. The department specializes in giving students both theoretical and a hands-on grasp of the latest in information technology, to ensure that they hold their own against any and every challenge by ever-evolving industry. As Information Technology is a very dynamic and evolving field this course is designed to provide strong preparation in the fundamental concepts and at the same time, providing maximum flexibility to accommodate student interests and contemporary developments. Over the years this enthusiasm has resulted in the department being awarded several government research grants and endowments, from the likes of DRDO and ISRO. In the year 2016, Sri Venkateswara College was designated a National Resource centre under the National Cyber Safety and Security Standards, New Delhi. This centre is being managed by the Department of information technology from the time of its installation. An undying quest and ever-growing passion to update technical knowledge have been the two great distinctive characteristics instilled in the students of the department. I am proud to present the Horizon-our student research magazine. It will give you a glimpse of research areas covered by our students and faculty till date. I'm sure that it will serve as an eye-opener and inspire the researcher in each one of you and propel you to a greater and new dimension in life.

THE STUDENT COUNCIL

“The Student Council stands as the foremost student body within SVCE, representing a vast community of over 4000 students. Under the steadfast mentorship of Prof. Ganesh Vaidyanathan, the Student Council is at the forefront of pioneering a range of groundbreaking initiatives, each meticulously designed to empower numerous students. At its core, the vision of the Student Council is to guarantee that every individual who graduates from our college emerges as a triumphant and accomplished individual.”

2021-2022





FROM THE EDITOR

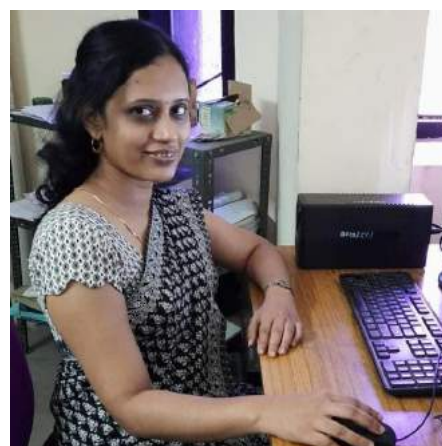
Lekhashree Rajesh
IV YEAR IT STUDENT

Greetings Readers!

Technology has become part of our daily lives not just as a way to improve lives, but as an integral part of it. The advancements in technology cannot be ignored because they are one of the most exploring and contributing elements of society. As technology advancements are unending, it is imperative that we in this technology-obsessed world understand the incredible changes this technology is bringing about. With the growing need to explore the knowledge in the field of technology, I hereby present to all the fourth edition of HORIZON. The HORIZON is a great effort by the Department of Information Technology to keep readers up-to-date on technology developments and their usefulness. It has given me immense pleasure to be the editor of this magazine. Moreover, I would like to extend my gratitude to the faculty in-charge for continuous guidance throughout the process. Thanks to all the great thinkers and writers who dedicated their time and knowledge to this magazine.

FACULTY IN-CHARGE

Ms. P. Leela Rani
ASSISTANT PROFESSOR / INT



APPLICATION DEVELOPMENT WITH THE LOW-CODE PLATFORMS

RE Keerthana

Businesses are rushing to invent and roll out software products more quickly than ever before in today's fast-paced digital environment. Introducing low-code development, a brilliant idea that has the potential to completely transform the software development industry.

LOW-CODE DEVELOPMENT: WHAT IS IT?

With the help of low-code development, developers may create applications with astounding speed and efficiency regardless of their level of technical knowledge.

It considerably reduces the requirement for hand-coding by enabling developers to construct and deliver feature-rich applications using visual interfaces and pre-built components.

The beauty of low-code is that it can help organizations more easily achieve their goals for digital transformation by bridging the gap between business requirements and IT capabilities.



PRINCIPAL BENEFITS OF LOW-CODE DEVELOPMENT

Accelerated Application Delivery:
When compared to traditional coding, low-code platforms allow developers to construct applications in much less time. The development process is greatly streamlined with drag-and-drop interfaces and pre-built parts.

Improved Collaboration:
Low-code development encourages communication between stakeholders with and without technical backgrounds. Business analysts and subject matter experts can actively contribute to the development of applications by sharing their special ideas.

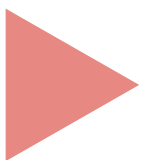
Cost-Efficiency:

Low-code development results in cost savings for enterprises by decreasing the requirement for substantial coding and shortening development cycles. It enables businesses to deploy resources more wisely and concentrate on innovation.

Agility and Flexibility:

Low-code development makes it simple to modify and update programs on-the-fly. Businesses can quickly adjust to shifting market needs thanks to their agility and remain competitive.





APPLICATIONS

OutSystems, Mendix, Microsoft Power Apps, Salesforce Lightning Platform, Appian, Zoho Creator, Google AppSheet, Betty Blocks, Quick Base, and Nintex are a few examples of well-known systems. These platforms make it possible for users to create applications with little to no coding, which accelerates and increases accessibility for a variety of tasks.

The future of low-code development looks promising as the demand for faster application development rises. Low-code platforms are expected to play a vital role in the software development ecosystem. With advancements in AI, ML, and intelligent automation, these platforms are likely to evolve and offer more sophisticated capabilities, catering to a broader range of use-cases. Low-code development is transforming the way applications are created.

It enables businesses and developers to create applications quickly and adjust to market changes.

Despite limitations such as limited customization and scalability concerns, low-code development remains crucial and will thrive in the digital world.

As low-code platforms continue to advance, incorporating advanced features like AI, their significance will only grow, making them valuable assets for businesses in the future.





THIRD EYE

Pragatheeshwar S & Oviya Srinivasan

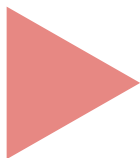
In 2019 survey crime rate in India was estimated to be around 51 lakhs. Almost 100 thousand cases were reported only from one single city that is Delhi our capital city. The growth ratio of crime rate from 2012 to 2019 is almost 35 percent. The main reason for this rapid growth in the crime rates in India is because many crime makers are uncaught and are roaming around freely and this gives the newbies a great amount of confidence.

The only solution to stop the issue is to make the citizens know what's exactly happening in our country and make them aware of the crimes happening in their area. The pressure for the area inspector will be given not from his higher authorities but from the normal public and everyone can have peaceful life and a safe environment.

Now, almost all the streets in the cities have cctv camera installed by the government, but they are used for manual verification. We intend to use the existing resource like CCTV to predict the crime. How do we exactly do it? Easyocr techniques have been used to track down the number plates of the vehicles and to check it with the police database to verify if it is a robbed vehicle or a vehicle used for a crime to be executed.

The cctv in the streets normally records the footage until it finds a dangerous object such as gun or something, the moment it identifies something an intimation will be sent to the nearest police station once the police verify and confirms the crime and the crime gets updated in the map which will be viewed by the public. When an area is selected by the public all the crimes happened in that area can be viewed.





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We have used LSTM as an additional layer in CNN to detect kidnaps and confirm the kidnap by sending the kidnap recognised footage to the police portal that we've created. If the kidnap is confirmed, it gets updated in the map.

Other kind of crimes are trained using CNN which follows the same strategy of 2nd level human verification and then updating in google maps as it also intimates the traveler about the upcoming most crime occurring place.

We have also used "Triangulation method", tracing down the of the criminals are also equally important, this method uses communication between the cameras. The recognized frame that has been sent to the police is sent to the cameras of 2km in radius of tracing. This helps in tracing the criminal without using a physical GPS module

This gives a better awareness to the public about what's happening in the country, this also gives the police a greater chance to catch the crime maker immediately and with great ease.





UNREAL ENGINE

Dharnish P

WHAT IS A GAME ENGINE?

Before getting onto the topic, you may ask what is a game engine. A game engine is a framework that manages every aspect of a game from rendering to audio management. It provides us with a lot of features to give life to our thoughts and ideas. These engines vary based on the user and the place of use. Big companies tend to create their engine from scratch as a framework for their projects and small developers tend to use open-source engines to make their games. Unreal engine is one of these open-source game engines that is used by developers around the world.

Unreal engine is a 3D computer graphics game engine developed by Epic Games. It was developed by Tim Sweeney in 1991. Initially, it was an engine created for "Unreal" in 1995, later it emerged to become the 2nd largest game engine used by developers around the world.

Despite being a game engine, it also plays a major role in the film and television industry. Unreal Engine is written in C++ and features high portability, supporting a wide range of desktop, mobile, console, and virtual reality platforms. It took almost 3.5 years to complete the project. Ever since its first release in 1991, it has been constantly developing and the features it provides today by the latest release of Unreal Engine 5 on April 2022 are massive.

Features:

Unreal offers a wide range of features and let us discuss the new features that have a great impact on the future possibility of what we can create.





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First off is lumen a world lighting system that simulates natural lighting with more accuracy and precision. Lighting is a key feature when it comes to both games and films as it creates visual pleasure, it creates the visual experience that makes us feel the atmosphere. This method calculates the global illumination dynamically and lets us create environments and create the lighting we want in real-time. The previous classical method used before the lumen was the ray tracing method. First, what is global illumination?

In the below picture, the light from the screen illuminates the whole image and it is not even. It is distributed in such a way that it gradually decreases as the distance increases.



This happens because some of the light is being bounced off by the surface it touches and some of them are being absorbed in each collision. The lights rendered by Computing this bounce-off and collision are called global illumination. Several algorithms are used to compute these attributes of light.

The classical method that is used by unreal was raytracing. But the problem is in ray tracing these computations have to be baked once in a while for every change being made.

This method requires powerful hardware which is not affordable for small studios and developers and it is also a time-consuming process. Lumen was a solution to all these problems and it replaced the tedious work of light baking. This has given the game and film industries a wide range of possibilities. The concept of Photorealistic lighting was made to be achieved even by small developers. But still, the downside is that it couldn't handle the lighting of translucent objects.

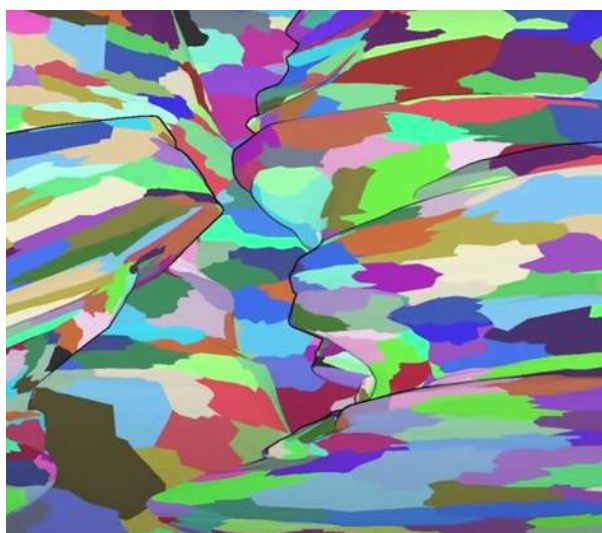
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Nanite is again a rendering method an extremely efficient one. This method renders static meshes (Objects) as a cluster of triangles. The polygons dynamically vary as the distance increases and this provides an extreme level of detail system (LOD). The LODs rendered in the earlier days were not as efficient. They are efficient as they have fewer polygons as the distance increases but the problem was it was a time-consuming process to generate these LODs. Again Nanites dynamic rendering makes it possible to create photorealistic meshes in runtime.

As we can see the level of detail of the foliage is decreasing as the distance increases and eventually, it became a billboard. This also affects the lighting and shadow when it comes to the GI of the environment.



They not only dynamically render the polygons but also renders them based on the percentage of the frame that it takes, only the clusters that are within the camera frustum are rendered without compromising memory or processing power.

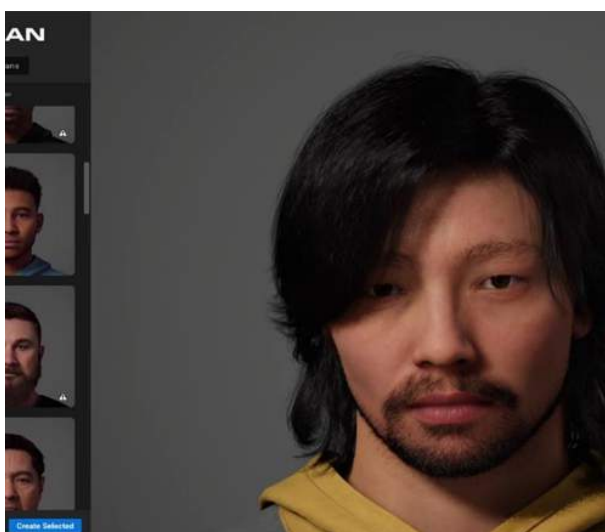


Here is an example of a scene using nanites. As we can see there is a mixture of colors all around the scene each color represents a cluster which when viewed closer is again separated as a cluster within each of them. This makes efficient than any of the methods that had been used earlier.

This created a whole lot of possibilities of a single person can create and people were able to produce industry-standard content.

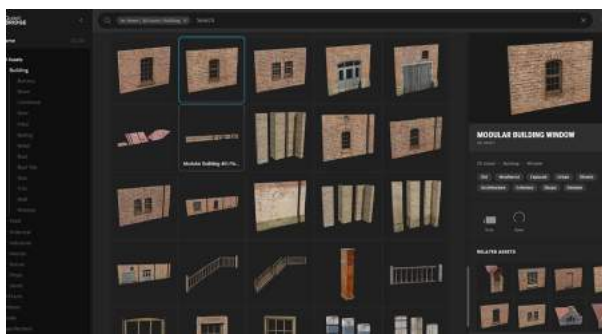


Metahuman is a plugin powerful that can be used to create digital humans that are almost lifelike. The meta-human creator runs on a cloud and is streamed to our browser using pixel streaming technology. This creator allows us to create and customize human avatars on a very detailed scale. We can customize every aspect of a human avatar from facial proportion to body proportion in a click. This a remarkable technology that may also have serious consequences. These avatars are becoming so realistic that they cannot be differentiated from an actual human being and can be used to produce deep fakes. This can become a major problem as it is easily accessible to everyone.



CONTINUED

In earlier days to produce avatars of this detail there was a need for a big studio and expensive tech to capture the facial expressions but now even the facial expressions can be simulated in real-time. To showcase the power of this tech unreal released a sample city from the matrix movie that has around 100,000 meta-humans roaming around, This also shows the load that the engine can handle efficiently.



Quixel bridge is a software that helps us to browse, search and use a whole lot of mega scanned assets. They are considered to be the largest 3d asset library by 2019. They produce photorealistic digital scans of objects that can be used in the game and film industry. What's exciting is that this library is now teamed up with the unreal engine where the developers are allowed to use 16000+ free mega scan assets in their projects.



CONTINUED

Even though its fascinating that the technology has grown so far it also has adverse effects on us. As we go further, we are moving far away from knowing which is real and which is a fake. Everything that we see on the internet today is not real. And we are not aware of it. The satisfying things that we see are often fake but we live on dissatisfied lifestyle by comparing ourselves with what has been shown as a good lifestyle. This has become a major problem these days. As the technology is improving at a exponential rate human mental and physical health is decreasing at a exponential rate. So we should be aware of the our own security and should use the technology for production rather than destruction.

“It has become appallingly obvious that our technology has exceeded our humanity”

-Albert Einstein



HAWK-EYE AND DRS SYSTEM

THE EVOLVING ROLE OF TECHNOLOGY IN CRICKET

Sanjiv TS

Cricket, one of the most popular sports globally, has been deeply impacted by technological advancements. The introduction of cutting-edge technologies like Hawk-Eye and the Decision Review System (DRS) has revolutionized the way the game is played and officiated. In this article, we explore the role of technology in cricket, focusing on the two game-changing systems, Hawk-Eye and DRS.

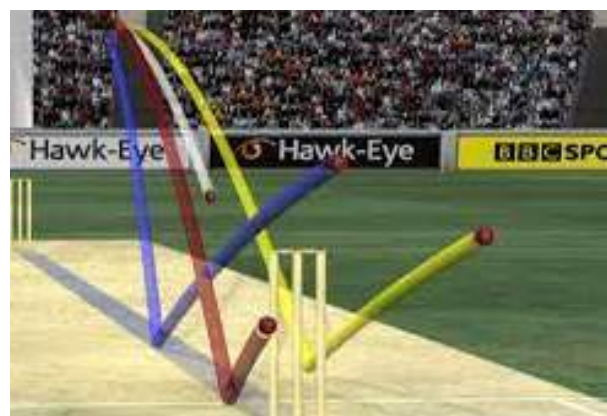
What is Hawk-Eye?

Hawk-Eye is a sophisticated ball-tracking technology used in cricket to analyze the trajectory of the ball's path. Initially developed for tennis, it was later adapted to cricket and has since become a critical tool for decision-making and television broadcasting in the sport.

How Does Hawk-Eye Work?

Hawk-Eye uses a combination of multiple high-speed cameras positioned around the field to capture the ball's motion. The data from these cameras is then processed by a computer to generate a three-dimensional representation of the ball's path, including bounce and deviation.

Hawk-Eye is a cutting-edge ball-tracking technology used in various sports, including cricket. It is renowned for its precision and reliability in determining the trajectory of the ball's path. The working of Hawk-Eye involves several intricate steps that enable it to provide accurate and real-time data on the ball's movement.





Here's a detailed explanation of how Hawk-Eye works:

1. **Camera Setup:** Hawk-Eye operates using a system of multiple high-speed cameras positioned strategically around the cricket field. These cameras are usually placed at different angles and locations to capture the ball's motion from various perspectives. The cameras are synchronized to ensure simultaneous recording of the ball's trajectory.

2. **Image Capturing:** When the bowler delivers the ball, the high-speed cameras start recording the ball's movement from the moment it leaves the bowler's hand until it reaches its destination, either the batsman's bat or the stumps.



CONTINUED

3. **Data Acquisition:** The recorded images are then fed into a powerful computer system that processes the data collected from the cameras. The system uses complex algorithms and mathematical models to analyze the ball's flight path accurately.

4. **Ball Tracking:** Hawk-Eye employs a technique called "triangulation" to track the ball's movement. Triangulation involves analyzing the positions of the ball in multiple camera angles to calculate its three-dimensional coordinates accurately.

5. **Calibration:** Before each match, Hawk-Eye is carefully calibrated to ensure maximum accuracy. This process involves mapping the field's dimensions and coordinates to the computer system, which helps in correctly interpreting the data collected by the cameras.

6. **Virtual Re-creation:** Using the data from the cameras and the calibrated field dimensions, Hawk-Eye creates a virtual representation of the ball's trajectory in three dimensions. This virtual re-creation visually illustrates the ball's path, including its speed, trajectory, and any potential deviations.



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Impact of Technology in Cricket:

1. Fairness and Accuracy:

The integration of Hawk-Eye and DRS has significantly improved the accuracy of decision-making in cricket. Close calls, especially in LBW decisions and edges, are now assessed with greater precision, reducing the chances of errors.

2. Television Viewership:

The visual appeal and reliability brought by technology have enhanced the television viewership of cricket matches. Spectators at the venue and viewers at home can now follow the game with greater excitement, knowing that contentious decisions are thoroughly examined.

3. Challenges and Criticisms:

While technology has brought many positive changes, it has also faced some criticism. Some traditionalists argue that excessive reliance on technology disrupts the flow of the game and slows down the pace.

The role of technology, exemplified by Hawk-Eye and the DRS system, has undeniably transformed cricket by enhancing decision-making and viewership experience. As cricket continues to evolve, embracing technological advancements responsibly is essential to maintaining the integrity and excitement of this beloved sport.





DATA ALCHEMY

UNVEILING THE SECRETS BEHIND A DATA ANALYST ASPIRANT

Harshavardhini G

Imagine being a data detective , tasked with solving mysteries hidden with troves of information. An expert who transforms raw data into meaningful insights and empowers businesses to make smarter decisions.

Just like how an explorer embarks on a quest, we start things by understanding the mission at hand like uncovering inefficiencies in processes, it is always the purpose of their data journey. We turn into archaeologists, by ascertaining the hidden treasures of knowledge from different sources of Data. Collection of Data , this is the beginning . But it might have errors, incomplete entries and irregularities. But we , the analyst hero, can embrace the challenge , by cleaning and preparing them for further analysis.

Just like how an explorer embarks on a quest, we start things by understanding the mission at hand like uncovering inefficiencies in processes, it is always the purpose of their data journey. We turn into archaeologists , by ascertaining the hidden treasures of knowledge from different sources of Data.

Collection of Data, this is the beginning . But it might have errors, incomplete entries and irregularities. But we, the analyst hero, can embrace the challenge, by cleaning and preparing them for further analysis.

It doesn't stop there though ! This is when the adventure begins exploratory data analysis, they unveil patterns and stories that lie latent within the data's depths.



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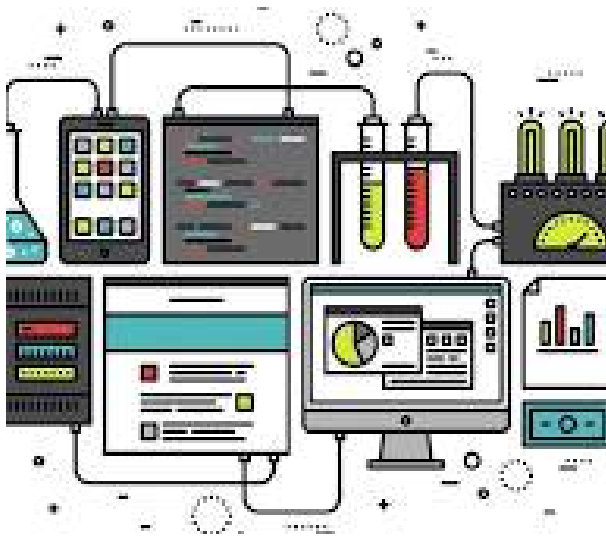
Just like a painter who brings life to a canvas, we weave stories with visuals—Charts, graphs, and interactive dashboards are now their brushstrokes.

Data Analysts extract insights that illuminate the path to better decision-making. They are shining light on opportunities for improvement and optimization.

We also transform into a fortuneteller, using machine learning and algorithms to predict future trends. But, this is no solitary quest ; we are team players - engaging in lively discussion with colleagues and stakeholders, by bridging the gap between data and business goals through effective communication .

As storytellers, we also shoulder the responsibility of ethics. We ensure data privacy and guard against bias, letting integrity guide our every move.

So, the next time you are entranced by a business's success, remember behind the scenes a data analyst has woven the threads of data into the tapestry of triumph .





THE RISE OF CHATGPT

AND ITS POTENTIAL IMPACT ON JOB OPPORTUNITIES

Lekhashree Rajesh

The field of Artificial Intelligence (AI) has seen remarkable advancements in recent years, with language models like ChatGPT gaining immense popularity. These AI-powered chatbots can process and generate human-like text, making them valuable tools for various applications. However, as AI continues to progress, concerns have been raised about its potential to disrupt traditional job markets.

Automation of Repetitive Tasks:

One of the significant ways ChatGPT can influence job opportunities is through the automation of repetitive tasks. Chatbots can efficiently handle customer support, answering frequently asked questions and resolving common issues. As businesses adopt AI-driven solutions to enhance efficiency and reduce costs, some jobs in customer service and call centers may be at risk.

Content Generation and Journalism:

ChatGPT and similar AI language models have shown impressive capabilities in generating written content. While this can be a valuable tool for content creators, it may also raise concerns about the future of traditional journalism.

Impact on Translation Services:

AI language models have made significant progress in translation tasks, offering faster and more accessible translation services. While this is beneficial for users, it may affect the job market for human translators and interpreters.



CONTINUED

Limitations of AI:

Despite the advancements, ChatGPT and other AI language models still have limitations in understanding context, creativity, and emotional intelligence. Jobs that require human touch, creativity, and critical thinking are less likely to be replaced entirely by AI.

New Job Opportunities :

While AI technology may reduce some job opportunities, it also creates new ones. The development, maintenance, and improvement of AI systems require skilled professionals in data science, machine learning, and AI ethics. The demand for AI trainers, content curators for AI-generated content, and AI system testers is also on the rise.

The rise of ChatGPT and AI language models undoubtedly brings about transformative changes to the job market. While there are concerns about certain job roles becoming obsolete, it is crucial to recognize the opportunities AI creates in new fields and to address the ethical implications of its widespread use. The future of work in the AI era requires collaboration between humans and machines, where AI augments human capabilities rather than entirely replacing them. By embracing AI responsibly, society can harness its potential for positive advancements while mitigating any negative impacts on job opportunities.





QUANTUM COMPUTING

Jerunez J

Quantum and classical computers both try to solve problems, but the way they manipulate data to get answers is fundamentally different. This section provides an explanation of what makes quantum computers unique by introducing two principles of quantum mechanics crucial for their operation, superposition and entanglement.

Understanding superposition makes it possible to understand the basic component of information in quantum computing, the qubit. In classical computing, bits are transistors that can be off or on, corresponding to the states 0 and 1. In qubits such as electrons, 0 and 1 simply correspond to states like the lower and upper energy levels discussed above.

Qubits are distinguished from classical bits, which must always be in the 0 or 1 state, by their ability to be in superpositions with varying probabilities that can be manipulated by quantum operations during computations.

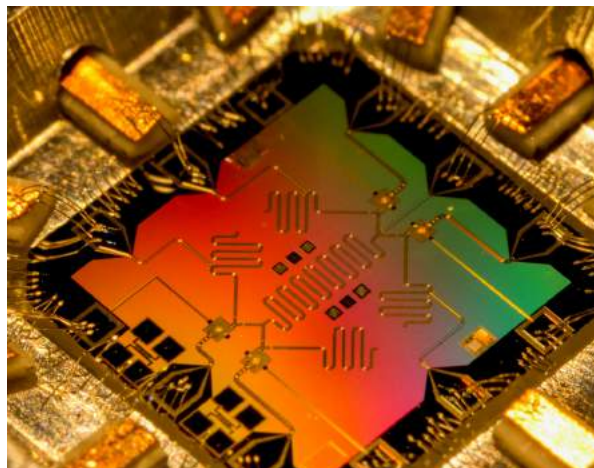
Quantum Algorithms: Articles in this category discuss quantum algorithms that leverage the unique properties of quantum computers to solve specific problems more efficiently than classical computers.

Quantum Hardware:

These articles focus on the physical implementation of quantum computers, covering technologies such as superconducting qubits, trapped ions, topological qubits, and more.

Quantum Software and Programming:

These articles explore quantum programming languages, quantum compilers, and software frameworks that allow developers to write and execute quantum algorithms.



CONTINUED

Quantum Supremacy:

Articles discussing quantum supremacy experiments, where quantum computers perform tasks that are infeasible for classical computers within a reasonable timeframe.

Quantum Cryptography:

This topic covers quantum key distribution and other quantum cryptographic protocols that offer improved security compared to classical methods.

Quantum Machine Learning:

Articles exploring the intersection of quantum computing and machine learning, including quantum-inspired algorithms and using quantum computers to accelerate classical machine learning tasks.

Quantum Communication:

This area involves articles discussing quantum teleportation, quantum networks, and long-distance quantum communication.

Quantum Error Correction:

These articles focus on the techniques used to mitigate the impact of errors in quantum computations.





HARNESSING THE POWER OF INFORMATION TECHNOLOGY FOR A SUSTAINABLE FUTURE

Raja Rajesvari

Information technology (IT) has emerged as a critical enabler in the pursuit of sustainable development and environmental stewardship in an era marked by environmental challenges. As the world grapples with pressing issues such as climate change, pollution, resource depletion, and biodiversity loss, information technology plays a critical role in mitigating these issues and transforming industries towards more sustainable practises.

Data-Driven Environmental Monitoring and Analysis:

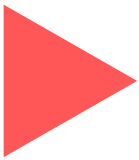
IT has transformed the collection, processing, and analysis of environmental data. Real-time data on air quality, water levels, soil health, weather patterns, and ecological changes is provided by advanced sensors, satellite technology, and monitoring devices. Scientists and policymakers can use big data analytics and machine learning algorithms to identify trends, assess risks, and develop evidence-based strategies to address environmental issues.

IT enables decision-makers to implement more targeted and effective conservation efforts by providing a deeper understanding of ecosystems and the factors that influence them.

Smart Cities and Sustainable Infrastructure:

Smart cities integrate information technology into urban planning and infrastructure development to optimise resource use and improve quality of life while lowering environmental impact.

Intelligent traffic management systems reduce congestion and emissions, while smart grids enable efficient energy distribution and consumption. Sensor networks and data analytics are also being used to improve waste management, water usage, and overall urban sustainability. Cities can become more resilient and environmentally friendly by leveraging IT solutions.



CONTINUED

Renewable Energy Integration and Optimization:

The transition to renewable energy sources is a critical component of long-term development. IT plays a critical role in integrating renewable energy into the power grid. Grid operators can better predict renewable energy generation and balance supply and demand with the help of advanced forecasting and data analysis. Furthermore, IT helps to optimise renewable energy systems, making them more reliable and cost-effective. Furthermore, IT-driven energy management solutions enable consumers to participate actively in energy conservation and demand-response programmes.



The COVID-19 pandemic highlighted the potential of IT in reducing carbon emissions through remote work and virtual meetings. By facilitating seamless collaboration, file sharing, and communication, IT tools make remote work viable and productive, reducing the need for extensive commuting and physical office spaces. Embracing remote work as a sustainable practice can lead to a substantial reduction in greenhouse gas emissions and energy consumption associated with traditional office setups.

The impact of information technology on environmental sustainability is multifaceted and far-reaching. From data-driven environmental monitoring and analysis to the optimization of renewable energy systems and the promotion of remote work, IT solutions offer innovative ways to tackle environmental challenges. By fostering collaborations between technology and environmental science, society can harness the full potential of information technology to create a greener and more sustainable future for generations to come.



WILL AI REPLACE THE ROLE OF A JUNIOR DEVELOPER?

Jyotsna Raagasri V

The answer to this very intriguing question is yes. Ai will eventually replace the role of a junior developer besides will Ai make the role of a software developer obsolete and thereby inducing a potential decline in programming jobs? To unveil this, let's take a look at the mainstay of this article.

Narrow AI is what we have so far like Siri, Alexa, chatbots in any e-commerce websites, search engines like Google, safari, and recommendation engines that suggest what show you should watch next on Netflix. So, narrow AI or weak AI is designed to better perform a single task by classifying and labeling data.

Having said that the generative AI or strong AI goes a step further by synthesizing data and not just working on the given dataset. Let's say that you give this generative AI a starting line that goes "Once upon a time, back in my college days.." the AI takes that line and generates a whole story with plots, characters, and a thrilling conclusion.

The generative AI models are trained on a set of data to understand the underlying pattern and create new data which mirrors the training set. Now, how are all of these related to junior developers being obsolete? Well, as software developers, our role is not to write the syntax of a code but to write the logic. A programming language could go through a dramatic amount of updation syntactically over the years. We as software developers are supposed to bridge the gap between what the user needs and what the code does for the end users using logic. And this logic requires cross-domain expertise, critical thinking, and troubleshooting skills. Thus, AI cannot create reliable logic. It creates an imitation of the logic based on the dataset provided.

CONTINUED

There is a big gap for it to learn on its own although I am pretty sure this gap will be filled in time to come probably in the next 5 to 10 years (generative AI). For example, companies will recruit five developers in place of ten and pair them with generative pre-trained transformers (GPT). By doing so companies can spend less money, and time in order to get more work done. This does not mark the end of the story as developers will now get faster at their jobs with an AI companion like GitHub Copilot in hand.

Although this can cost a few roles which in turn leads to the opening of some other roles in the industry. It has always been like that, isn't it? The net balance is bound to be the same.



In conclusion, generative AI and software development are meant to complement and not replace each other.



JOINING HANDS OF BIOENGINEERING AND AI

P Aiswarya

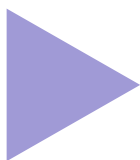
The integrated work of two independently blooming industries the bioengineering and the artificial intelligence has resulted in an eye-popping results. The overview of the baby steps of Ai into medicine is being elaborated.

An engineering education teaches student the application of their knowledge and skills in a variety of sectors. Whereas the field of medicine emphasis on caring for patient, managing the diagnosis, prevention, treatment etc. The hybrid of these resulted in an astound technology making a positive impact on society and overcoming global challenges. By combining engineering principles to Medical science, a truly more applauding Innovation has born which we call the bioengineering.

It emphasis on both clinical and scientific aspects of the study. Bioengineering is held within tissue engineering, biomechanics, biomechatronic, and biomedical electronics.

Conventionally the courses for treatment and diagnosing medical conditions were the main focus on training physician. However the birth of bioengineering has eventually offers future physicians with the skills needed to access the clinical relevance of novel medical devices, operational changes etc.

AI started its journey towards medical field around 4 decades ago. Since then their integration continued to evolve with a skyscraper Results. AI involves various territories that include computer vision, pattern recognition, neural network, machine learning and so on. Among them machine learning is a boom.



CONTINUED

AI started its journey towards medical field around 4 decades ago. Since then their integration continued to evolve with a skyscraper Results. AI involves various territories that include computer vision, pattern recognition, neural network, machine learning and so on. Among them machine learning is a boom.

AI IN ONCOLOGY:

The second leading cause of death is the dreadful disease called cancer. It is terminal illness caused by the uncontrollable division of abnormal cells. AI Application over oncology has been an evident to overcome the intense effect of the monumental challenge Faced by the world. Bowing to the fact that the capacity of the human brain to process information is limited and here comes the urgent need for an alternative to process modern big data.

AI IN DRUG DETECTION:

At the hands of machine learning, AI-driven platforms can analyze vast databank of molecular structures, genetic information to

identify potential drug that are toxic thereby increasing early safety detection before advancing it and more assuring targets for the new drug design being identified breaking the history.

AI ASSISTING ROBOTICS:

Robotics nowadays are expanded in medical field. We call the collaborative work of human and robots the COBOT. AI made surgical robots assist surgeons more precisely thereby enhancing the success rates of more complex surgeries by reducing risk to patients. Recently in covid pandemic were we all had put under a restriction Of maintaining social distance, helped medical personnel's in repurposing the existing production line by allowing flexible and comfortable working while maintaining social distance.



CONTINUED

With the ever evolving tangled field of these, we can expect even more innovation that contribute to the better patient outcomes than before with minimal mortal rate, reduced patient risk etc.





AI FOR REAL LIFE

Gowtham S

Artificial Intelligence (AI) has emerged as a groundbreaking technology with profound implications for real-life applications across various domains. The convergence of advanced algorithms, massive data sets, and increasingly powerful computing hardware has ushered in an era where AI is reshaping industries, improving daily life, and addressing some of the most pressing challenges facing humanity. This essay delves into the multifaceted role of AI in real life, exploring its applications, benefits, and potential concerns.

AI in Healthcare:

One of the most critical domains where AI is making a substantial impact is healthcare. AI-powered diagnostic tools, such as image recognition algorithms and natural language processing, are enhancing the accuracy and speed of medical diagnoses. For instance, in radiology, AI algorithms are capable of detecting anomalies in medical images with remarkable precision, aiding in early disease detection. Additionally, predictive analytics models powered by AI analyze patient data to forecast disease outbreaks, optimize hospital resource allocation, and personalize treatment plans.

These applications not only improve patient care but also reduce healthcare costs, making healthcare more accessible and efficient.

AI in Transportation:

AI is transforming transportation systems, making them safer, more efficient, and environmentally friendly. Self-driving cars, equipped with AI algorithms for perception, decision-making, and navigation, have the potential to significantly reduce traffic accidents and congestion.



CONTINUED

Moreover, AI-based traffic management systems optimize traffic flow in real time, minimizing delays and fuel consumption.

In the logistics sector, AI-powered route optimization algorithms help delivery companies streamline their operations, reducing delivery times and fuel usage. These advancements not only improve the quality of life for commuters but also have far reaching economic and environmental benefits.

AI in Education:

In the field of education, AI is revolutionizing how students learn and educators teach. Personalized learning platforms leverage AI to adapt to individual students' needs, adjusting the pace and content of lessons. Intelligent tutoring systems provide immediate feedback, helping students grasp complex concepts more effectively. Furthermore, AI-driven data analytics assist schools and universities in identifying at-risk students and tailoring interventions to improve retention rates. Instructors benefit from AI-powered tools that automate administrative tasks, allowing them to focus more on teaching and mentoring.

Artificial Intelligence is reshaping real-life applications across numerous domains, from healthcare to transportation, education, finance, and entertainment. Its transformative power is undeniable, offering the promise of improved efficiency, safety, and quality of life. However, it is crucial to address ethical, social, and regulatory challenges to harness the full potential of AI while ensuring it benefits society as a whole. As AI continues to advance, its role in shaping our daily lives will only become more prominent, and responsible development and deployment will be key to maximizing its positive impact on humanity.





STUDENT ACHIEVEMENTS



2021-2022





Mr.K. Chithaprabhakaran and Mr.P.Dharnish

Secured the Third position with a cash prize of Rs. 1000/- in Duo Developers event at St. Joseph's College of Engineering, OMR, Chennai held on 17th September 2022 under the mentorship of Dr.P.Sharon Femi, AP/INT.

Mr.S.Pragatheeshwar

Secured the First position in Paper Presentation event for the paper titled "AI based solution for blind people" held at SIMATS School of Engineering on 19th September 2022 under the mentorship of Dr.D.Jayanthi, ASP/INT.



Mr.Sri Harihara sudhan, Ms. Swetha sri and Ms. Vidhya shree SK

Secured the Third position in Paper Presentation event for the paper titled "Code red" held at SIMATS School of Engineering on 19th September 2022 under the mentorship of Dr.V.Vidhya, Prof/INT.





Mr.G.Nithishwar

Secured the First position in Quiz event held at SIMATS School of Engineering on 19th September 2022 under the mentorship of Dr.D.Jayanthi, ASP/INT.

Mr.S.Roheth

Secured the First position with a cash amount of Rs. 1000 in Technical Quiz event held at St. Joseph College of Engineering, Sriperumbudur on 23rd September 2022 under the mentorship of Dr.N.Gobalakrishnan, ASP/INT.



Mr.K.Santhosh

Secured the Second position with a cash amount of Rs. 500 in Technical Quiz event held at St. Joseph College of Engineering, Sriperumbudur on 23rd September 2022 under the mentorship of Dr.N.Gobalakrishnan, ASP/INT.



Mr.S. Roheth, Mr.S. Roshaan, Mr.K.Santhosh

Secured the First position with a cash amount of Rs. 1000 in Paper Presentation event held at St. Joseph College of Engineering, Sriperumbudur on 23rd September 2022 under the mentorship of Dr.N.Gobalakrishnan, ASP/INT.

Mr. Madhavan B, Mr. Hariharan S , and Mr. Mohammed sakeeb M H

Secured the Second position with a cash amount of Rs. 500 in Paper Presentation event held at St.Joseph College of Engineering, Sriperumbudur on 23rd September 2022 under the mentorship of Mr.V.Praveenkumar, AP/INT.



Mr.Sharan S and Ms. Shreya R

Secured the First position with a cash amount of Rs. 2000 in Unknown Fig- UI/UX Design event held at Sri Sai Ram Engineering College on 28th and 29th September, 2022 under the mentorship of Dr.P.Sharon Femi, AP/INT.





Mr.S. Roheth, Mr.S. Roshaan, Mr.K.Santhosh

Secured the Third position with a cash amount of Rs. 500 in "Hack-Wheel", On-Spot-Topic Hackathon event held at Loyola-ICAM College of Engineering on 8th October 2022 under the mentorship of Dr. N. Gobalakrishnan, ASP/INT.

Mr.S. Roheth, Mr.S. Roshaan and Mr.K.Santhosh and Mr.S.Pranav

Secured the First position with a cash amount of Rs. 2000 in Quibbler- Project presentation event held at Sri Sai Ram Engineering College on 7th October 2022 under the mentorship of Dr.D.Jayanthi, ASP/INT.



Mr.Sivadhas. S

Secured the Second position with a cash amount of Rs. 1500 in Debugging event held at Sri Sai Ram Engineering College on 7th October 2022 under the mentorship of Ms.S.Jerusha, AP/INT.



Mr.Sharan. S

Secured the First position with a cash amount of Rs. 2000 in You & I- UI/UX event held at Sri Sai Ram Engineering College on 7th October 2022 under the mentorship of Dr.P.Sharon Femi,AP/INT.

Mr.Sharan S and Ms. Shreya R

Secured the First position with a cash amount of Rs. 3000 in UX'PLORER- UI/UX Design event held at St.Joseph Institute of Technology on 8th October 2022 under the mentorship of Ms.A.Kala,AP/INT.



Mr.Kaushick VS, Mr. Anirudh.S and Mr. Rahul MC

Secured the Second position with a cash amount of Rs.2000 in Haijo- Quiz event held at St.Joseph Institute of Technology on 8th October 2022 under the mentorship of Dr.K.Suresh, AP/INT.





Mr.S.Pragatheeshwar, Ms.Oviya Srinivasan, Ms.K.Sowndariya

Secured the First position with a cash prize of Rs.750 in Paper Presentation event for the paper titled "Third Eye" held at Sri Sairam Institute of Technology" on 20th october 2022 under the mentorship of Dr.D.Jayanthi, ASP/INT.

Sri hari hara Sudhan M, Sing Valliyappa V, Subash V

Secured First position with a cash amount of Rs.12000 in the event HackInfinity organized by SSN College of Engineering and Shiv Nadar University, Chennai on 3rd and 4th November 2022 under the mentorship of Dr.V.Vidhya, Prof/INT.



Mr.Kaushick VS, Mr. Anirudh.S and Mr. Rahul MC

Secured the Second position with a cash amount of Rs.2000 in Haijo- Quiz event held at St.Joseph Institute of Technology on 8th October 2022 under the mentorship of Dr.K.Suresh, AP/INT.



Mr.S. Roshaan, Mr.S. Roheth and Mr.K.Santhosh

Secured the First position with a cash amount of Rs. 5000 in the Hackathon event held at Velammal Engineering College on 5th November 2022 under the mentorship of Dr.D.Jayanthi, ASP/INT and Dr. N. Gobalakrishnan, ASP/INT.

Mr.S. Roshaan, Mr.S. Roheth

Secured the First position with a cash amount of Rs. 2000 in the Technovation event held at Velammal Engineering College on 14th November 2022 under the mentorship of Dr.D.Jayanthi, ASP/INT and Dr. N. Gobalakrishnan, ASP/INT.



Sri hari hara Sudhan M, Sing Valliyappa V, Sujith U

From INT has won First position with a cash amount of Rs. 2000 in ROBOFEST 2.0 organized by IEEE STUDENT BRANCH Of Sri Venkateswara College of Engineering On 14/11/2022 under the mentorship of Dr.V.Vidhya, Prof/INT.



Mr.Sriram V

From IT along with Mr.Rajit .H ECE-C 3rd year, Ms.Srivani M ECE-C 3rd year and secured the First position with a cash prize of Rs. 25000 in Icubehackathon (Interdisciplinary team) - conducted by Students council in association with SVCE Science Club - A national level intercollegiate technical event , Sriperumbudur on 18th November 2022 under the mentorship of Ms.R.Saktheeswari, AP/INT.

Mr. S.Pragatheeshwar

From INT along with his team from ECE,EEE and CSE won first place with a cash prize of Rs.12,000 in the hackathon HACKELITE, a 24 hours hackathon conducted by the Department of Electronics and Communication Engineering, SVCE during 6th and 7th March 2023 under the mentorship of Dr.D.Jayanthi, ASP/INT



Mr.Hemanth M and Mr. Harishvar R

Secured First position with a cash prize of Rs.750 for the Debugging event held at Jeppiaar Engineering College on 10th March 2023 under the mentorship of Dr.P.Sharon Femi, ASP/INT.



Mr. S.Sharan

Secured First place with a cash amount of Rs.2000 for the RIP-OFF-UI event as part of Hackerz'23 on 17th March 2023, at Chennai Institute of Technology, Kundrathur, Chennai under the mentorship of Dr. A. Kala, ASP/INT.

Mr. Chithaprabhakaran K Mr. Dharun Darshan RY

Secured Second position with a cash amount of Rs.500 for the Debugging event held at Jeppiaar Engineering College on 10th March 2023 under the mentorship of Dr.P.Sharon Femi, ASP/INT.



Mr. Sai Nithith S Mr. Srinivasan Gokula Krishnan

Secured Second place with a cash amount of Rs.700 for the Paper presentation event for the paper titled "Revolutionising College Event Management Using An Intelligent Automated System." on 20th March 2023, at Chennai Institute of Technology under the mentorship of Dr.D.Jayanthi, ASP/INT.





Ms. Lekhashree Rajesh Mr.Sanjiv. T.S Mr. Sharan. S

From INT won First prize with a cash prize of Rs. 20,000 in the UI/UX domain of the 24 Hours hackathon, Hackatoge conducted under TEXUS 2023 organized by SRM Institute of Science & Technology, Ramapuram on 15th and 16th of April 2023 under the mentorship of Dr.P.Sharon Femi, ASP/INT.

Mr. Chithaprabhakaran K Mr. Dharun Darshan RY

Secured Third place for the Rhythm Rivalry event on 20th March 2023, at Chennai Institute of Technology under the mentorship of Dr.P.Sharon Femi, ASP/INT.



Ms. Lekhashree Rajesh, Mr.Sanjiv. T.S, Mr.Rahul M.C, Mr.Krithik Sai Prasad

From IT won first prize with a Amazon Gift Card worth of Rs. 2,000 in the technical event, Pixel Perfect as part of TEXUS 2023 organized by SRM Institute of Science and Technology, Ramapuram on 21st and 22nd of April, 2023 under the mentorship of Dr.A.Kala, ASP/INT.



Oviya Srinivasan

From INT and her team won I prize with a cash prize of Rs.10,000 in the HACKIT 2.0, 24 Hours Hackathon organized by Sri Venkateswara College of Engineering during April 26 and 27, 2023 under the mentorship of Dr.D.Jayanthi, ASP/INT.

S.Pragatheeshwar, Charishma Reddy

From INT and their team won II prize with a cash prize of Rs.5,000 in the HACKIT 2.0-24 Hours Hackathon organized by Sri Venkateswara College of Engineering during April 26 and 27, 2023 under the mentorship of Dr.D.Jayanthi, ASP/INT.



Roshan S , Roheth S and Syed M

From IT won I prize with a cash prize of Rs.8000 in the Rota-TechX: A 24 hour Hack & Make-a-thon held on 4th and 5th May 2023 at GUVI Geek Networks, IITM Research Park, Tharamani, hosted by Rotaract Club of Sri Venkateswara College of Engineering under the mentorship of Dr.D.Jayanthi, ASP/INT.





Athithya kumar T, Jishnu H J, Kanishka K

From IT along with Mathimalar M of ECE won II prize with a cash prize of Rs.4000 in the Rota-TechX: A 24 hour Hack & Make-a-thon held on 4th and 5th May 2023 at GUVI Geek Networks, IITM Research Park, Tharamani, hosted by Rotaract Club under the mentorship of Ms.N.Uma, AP/INT

Ms.Akshara U J

From INT along with Mr.Soorya. B, student secured Second place with a cash prize of Rs.6000 in the National Level Paper Presentation competition Business Plan: Rewired at Spandan'23 conducted by New Delhi Institute of Management (NDIM) from 6th to 8th May 2023.



Mr. Navin Raj RS

From IT along with two other department students representing our EWB SVCE Students chapter won I prize for the paper titled "Carbon FootPrint Accounting" in the paper presentation Competition conducted by EWB-India during the All India Chapters Meet held at GITAM University, Hyderabad on 23rd and 24th June 2023.

Extra Curricular Activities



Ms. Shreya R

Secured the Third position with a cash amount of Rs. 500 in VJ Hunt event held at Sri Sai Ram Engineering College on 7th October 2022 under the mentorship of Ms.A.Kala,AP/INT.

Mr. Jisshnu H.J

(Rank: Cadet Warrant Officer (CWO) with Regimental No.: TN20SDF969014 and Unit: 1(TN) AIR SQN NCC from Madras-B group) of III year IT 'A' is the only cadet from Chennai district to be selected to attend the 75th Independence Day at Red fort. He got the privilege to handshake with our Honorable Prime Minister of India, Shri. Narendra Modi. He received Independence Day camp certificate formally from Lt Col J M Joshi - Camp Commandant of 5 TN Girls Battalion NCC, Coimbatore at DG NCC Camp site, Delhi

He also got an opportunity to be a **co-pilot** in VIRUS SW- 80 which is a microlite training aircraft at Air Force Station, Tambaram on February 27,2023. He flew for 30 minutes at a max altitude of 1000 ft.



Sports



Trichy Warriors (22):
 Named players: Adithya Ganesh, Akash Sumra, Amith Sathvik V P, Antony Dhas W, Ash R, Hemanth Kumar G, Mathivanan M, Muhammed Adnan Khan, Nidhish S Gopal, Poiyamozi M, Rahil S Shah, Santosh Shiv S, Saravana Kumar P, Yazh Arun, Sri M E, Murali Vijay
 Named players: Ajay Krishna, Atheeq ur Rahman, Sughendiran, Sanjay MS, Gokulmoorthy, Sathish Vaishna Kumar, Jasper Benjamin
 Coach: G Jayakumar

Nellai Royal Kings (22)
 Named players: Aparajith B, Athisayaraj Davidson V, Harish N S, Indrajith B, Jitendra R, Pradosh Ranjan Paul, Sanjay Yadav, Sri Naranjan R, Surya Prakash L, Trilok H, Veeramani T, Shajahan M*
 Named players: Ajitesh G, Sunil Sam, Krish Jain, Easwaran NR, Rooban Raj, Karthick C, Rohan M Raju, Vikram Jangid, Akash Dev Kumar, Sathish Kumar
 Coach: Shanmugham

Chennai Spartans (22)
 Named players: Abishiek S, Akshay V Srinivasan, Ashwin M, Boopalan S, Daryl S, Ganesh Moorthi M, Ganinath K H, Karthikaan P, Karthikaan P, Kishore G

Mr. Akash Devkumar

From INT got selected for Tamil Nadu Premier League 2022 cricket team .He is representing Nellai Royal kings in TNPL 2022 match to be held from June 23 to July 31,2023.

Mr. S. Gowtham

From INT has represented Tamilnadu Fistball Team and the team won the 6th Senior National Fistball Championship 2022 held at Secunderabad, Telangana from 1st to 3rd June 2022. Mr. S. Gowtham also received the Best Player Award.Thiru. Siva. V. Meyyanathan, Minister of Youth Welfare and Sports Development, Tamil Nadu felicitated the team of 6th Senior National Fistball Championship winners on 05.06.2022.



Mr. Dhanush B K

From INT in Table Tennis (Men) team rocked and secured the Winners trophy in the Anna University zonal tournament organized in our campus on 19.11.2022



Mr. Dhanush BK

From IT in Table Tennis(Men) secured Third place in the inter-zonal organized by KLN College of Engineering & Technology on 23.11.2022 & 24.11.2022.

Mr. Sarvesh

From INT of Basketball (Men) team secured runners in the inter-college zonal organized by Rajalakshmi Engineering College from 25.11.2022 to 26.11.2022.



Mr. Magesh A, Mr. Sanjiv TS

Along with the SVCE Cricket Team members Mr. Krithik Sai Prasad.P, Mr.Sushant Sriram.R.S , Mr. Niranjana.V, Mr. Akash Dev Kumar and Mr. Sanjai Solairajal showed a stunning performance and clinched the Winners title in Anna University zonal tournament which was organized in our campus from 10.01.2023 to 18.01.2023.



Mr. Santhosh M

Of SVCE Basketball(Men)team secured the Runners position in the CM Trophy 2023 organized by the Sports Development Authority of Tamil Nadu held at Kanchipuram District stadium on 18.02.2023.

Mr. Akash Dev Kumar

From IT has participated in the TAMILNADU U-19 team and obtained runner-up in the BCCI Coach Behar Tournament. [Advertisement dated: 4 th Jan 2023, Deccan Chronicle]



U-19 team, who finished runners-up in the BCCI Coach Behar tournament. TN lost to Vidarbha on Tuesday.

Tamil Nadu boys finish runners-up

BRIEF SCORES: Tamil Nadu 274 & 243 in 44.1 overs (S. Mohamed Ali) 47, A. Badrinath 54, C. Andre Siddarth 52, V.S. Karthick Manikandan 36, Gaurav Farde six for 58) lost to Vidarbha 360 & 158 for two in 24.4 overs (Rohit Binkar 85 not out, Danish Malewar 59 not out, G. Govindh two for 45).

TN girls enter pre-QF
It took just 1.4 overs for Tamil Nadu girls to chase down the target of 23 runs and storm into the pre-quarterfinals of the BCCI U-25 one-day tournament in Shimoga on Tuesday. Tripura posted 21 for nine in 35 overs with K. Anna Priscamary (4/3), A. Madhumitha (2/2) bowling brilliant spells.

Brief scores: Tripura 21 for nine in 35 overs (K. Anna Priscamary 4/3, A. Madhumitha 2/2) lost to Tamil Nadu 23 for no loss in 1.4 overs (G. Kamalini 22 not out).

U-25 team concede first innings lead
Tamil Nadu conceded the first innings lead to Assam on day three of their C.K. Nayudu Trophy

Sachin Baby's unbeaten century trumps Somasundaram's ton

Surya Prakash seven for goes in vain as Bhimnagarpet loses to Kannur; Pimriti Tapaswis 100 takes Indian Overseas Bank to a winning total of 305 for eight against Southern Railway Institute

Sachin Baby (100), Pimriti Tapaswis (100)

U-19 team
Sachin Baby 100, Pimriti Tapaswis 100, Jaffer Juman 158, Ravi Prakash Jangid 100, G. Govindh 100, S. Mohamed Ali 47, A. Badrinath 54, C. Andre Siddarth 52, V.S. Karthick Manikandan 36, Gaurav Farde six for 58) lost to Vidarbha 360 & 158 for two in 24.4 overs (Rohit Binkar 85 not out, Danish Malewar 59 not out, G. Govindh two for 45).

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U-25 team concede first innings lead
Tamil Nadu conceded the first innings lead to Assam on day three of their C.K. Nayudu Trophy

Mr. Sanjiv TS

From INT 'B' took 6 wickets in 5th Division Tamil Nadu Cricket Association League for Harnath CC against Air India Team. Sanjiv's 12.5 overs - 67 runs - 6 wickets is considered to be his best Spell in Tamil Nadu Cricket Association League. The above news is displayed in 'The Hindu' newspaper dated March 14, 2023.

ENGAGEMENTS
Sachin Baby 100, Pimriti Tapaswis 100, Jaffer Juman 158, Ravi Prakash Jangid 100, G. Govindh 100, S. Mohamed Ali 47, A. Badrinath 54, C. Andre Siddarth 52, V.S. Karthick Manikandan 36, Gaurav Farde six for 58) lost to Vidarbha 360 & 158 for two in 24.4 overs (Rohit Binkar 85 not out, Danish Malewar 59 not out, G. Govindh two for 45).