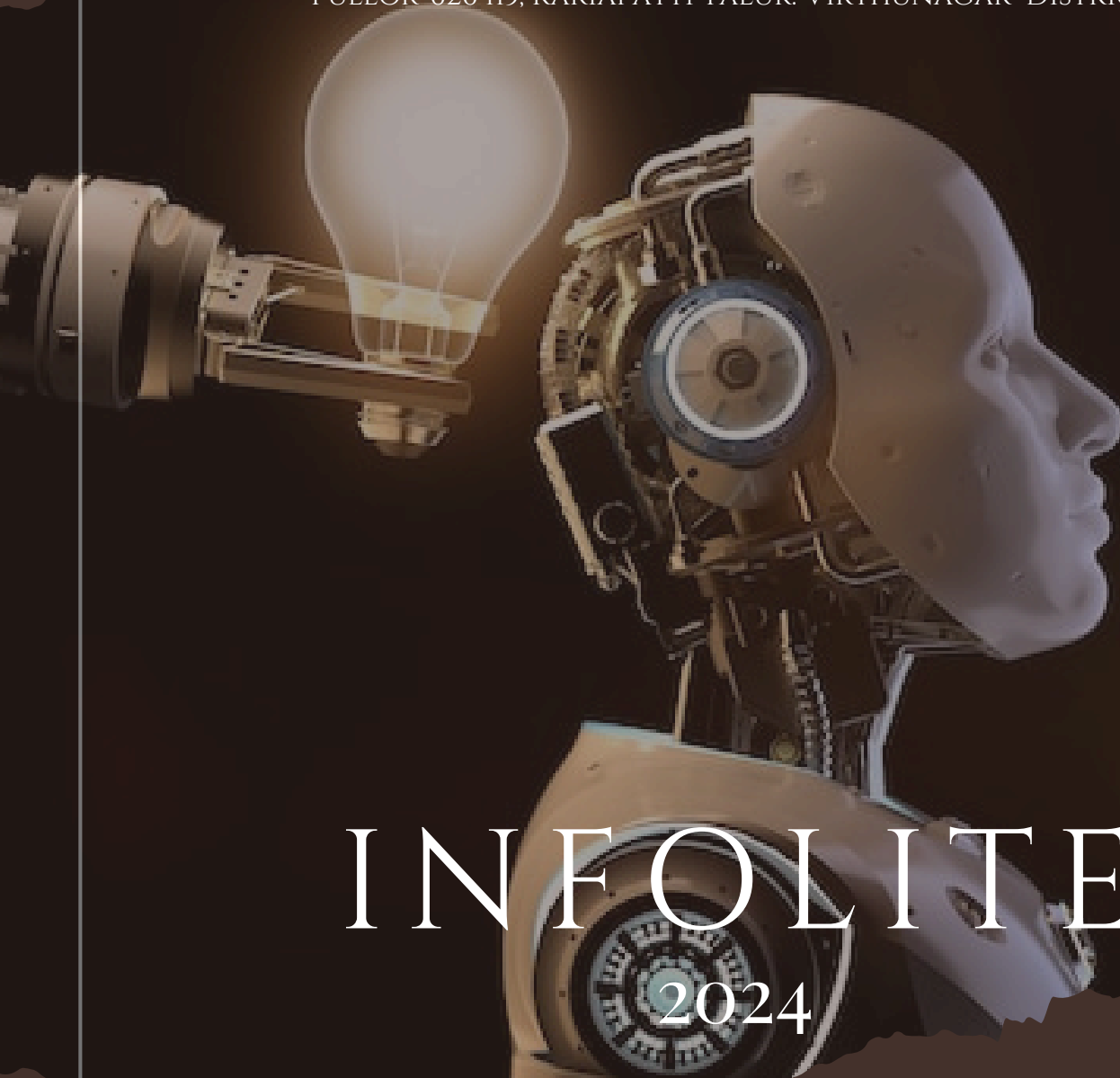




# SETHU INSTITUTE OF TECHNOLOGY

AN AUTONOMOUS INSTITUTION ACCREDITED WITH 'A++' GRADE BY NAAC  
PULLOR-626 115, KARIAPATTI TALUK, VIRTHUNAGAR DISTRICT.



# INFOLITE 2024

A MINIMAL MAGAZINE FOR  
INFORMATION TECHNOLOGY

KNOWLEDGE

SERVICE

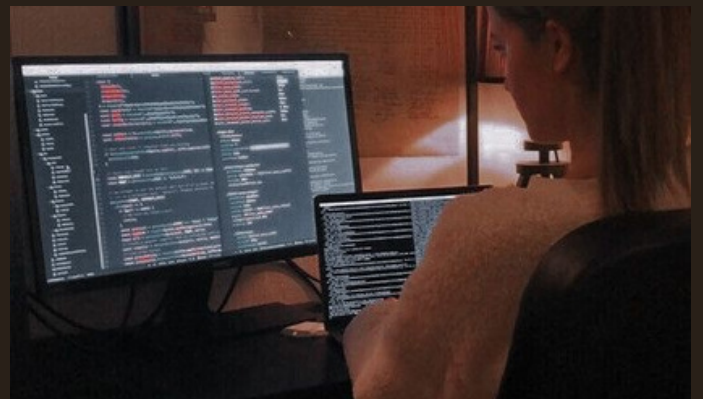
PROGRESS

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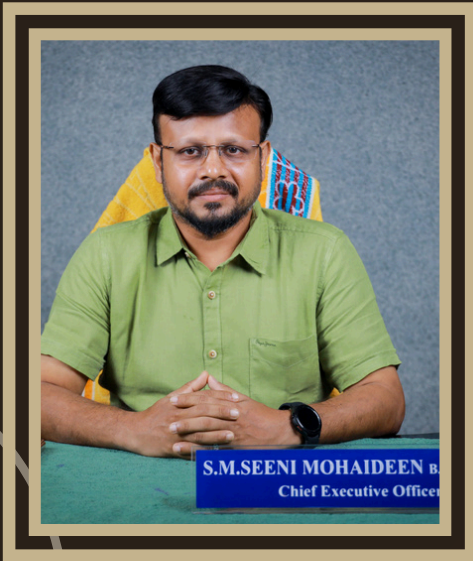


## MR.S.MOHAMED JALEEL FOUNDER & CHAIRMAN

The founder and Chairman, Mr. S. Mohamed Jaleel, B.Sc., B.L., strongly believes that providing quality technical education is a noble service to the society. He has great ambition to provide excellent academic ambience and higher education in south Tamil Nadu. He has been serving the needy ever since his school days. He was an illustrious student at St. Joseph's College, Trichy.

He came out with flying colors and joined law and was awarded a Degree of Bachelor of Law by Madras Law College. With a vision to impart technical knowledge to the economically, socially and industrially backward people, the Founder & Chairman established Sethu Insitute of Technology at Pulloor village near Kariapatti in Virudhunagar District in the year 1995. He has been successful in his pursuit of offering quality education to rural poor. Thousands of rural students are being benefited by his philanthropic attitude. His outstanding service to the humanity has crowned him with many awards like Communal Harmony Award by Victoria Edward Hall, Madurai.

He is the President of self-financing Engineering College Management Association of Anna University - Tirunelveli. He was a member of the Vice-Chancellor search committee of Madurai Kamaraj University in the year 2001. He was also nominated as Syndicate Member of the Anna University - Tirunelveli in the year 2008. His service to the rural people is a constant endeavour that makes him a living legend. It is the courage and conviction of our Chairman that has taken Sethu Institute of Technology to soaring heights within a span of twenty eight years.



MR.S.M.SEENI MOHAIDEEN  
B.COM.,M.B.A.,  
CHIEF EXECUTIVE OFFICER

He is a trust member of Sethu Educational Trust and also the Chief Executive Officer. He is a personality with heterogeneous abilities that map into performances. He did his Master's in Business Administration. He is a former syndicate member of Tamilnadu Open University.

He is the Chairman of the Tamilnadu Women's Football Committee and also the former President of the Tamilnadu Football Association. He devotes himself ardently to promote excellence in Administration, Industry Institute Interaction, Accreditation, Faculty Appraisal, Placement and Sports activities in the college. He is the inventor of about 30 inventions. Sethu Institute of Technology is crowned with his outstanding contribution in Intellectual Property Rights. His desire, commitment and accomplishments brighten up the lives of Sitians

MR.S.M.SEENI MOHAMED ALIAR  
MARAIKKAYAR,  
B.E.,M.B.A.(UK),  
JOINT CHIEF EXECUTIVE OFFICER

Mr.S.M.Seeni Mohamed Aliar Maraikkayar, Chief Executive Officer is an outstanding administrator who evinces a keen interest in the development of the Institution.



He did his Bachelor's in Engineering at Sethu Institute of Technology and his Master's in Business Administration at Coventry University, London, UK. He has been inducted into the management team to take the institution into a new dimension. He is armed with an infallible spirit of fortitude awakening in raising a gamut of educational exploits to the highest peak of excellence.

MS.S.M.NILOFER FATHIMA  
BE.,M.B.A., (PH.D),  
DIRECTOR-ADMINISTRATION

Ms.S.M.Nilofer Fathima, B.E., M.B.A, (Ph.D.) is a trusted member of Sethu Educational Trust and also the Director- Administration. She is an efficient administrator and she meticulously plans for the growth and development of the institution.



Ms.S.M.Nilofer Fathima did her twofold MBA at Madurai Kamaraj University and Anna University. She has perfect blend of Professional Excellence and Intellectual Accomplishments. As the Director of Administration, she empowers the college to promote excellence in engineering, technical and professional education



DR.S.M.NAZIA FATHIMA  
B.TECH.M.E.,PH.D.,  
DIRECTOR R&D

Dr. S.M. Nazia Fathima, B.Tech., M.E., Ph.D., is the trust member of Sethu Educational Trust and also the Director of R&D. She is a prominent scholar with comprehensive proficiency in research and development activities.

As the Director of R&D, she is an indomitable personality with a vision to fortify the institution through her novel ideas in the expanse of research. She is a technical prodigy and her expertise pilots the institution in the path of glory.



DR.G.D SIVAKUMAR  
B.E.,M.E.,PH.D.,  
PRINCIPAL

Dr.G.D Sivakumar , B.E.,M.E.,Ph.D., is an able administrator and a committed teacher with more than twenty five years of teaching and research experience. He has specialized in Mechanical Engineering and has a flair for research in various fields like Kanban Systems, Optimization, Heuristics, Lean Manufacturing.

He is a true inspiration to everyone. His unwavering dedication to our students and staff is evident in everything he does. With years of experience as an educator, he has a deep understanding of what it takes to create a positive learning environment. he leads by example and encourages his team to strive for excellence in all areas. Under his guidance, Sethu Institute Of Technology has flourished, with increased student achievement and a strong sense of community. What sets him apart is his commitment to creating a safe and inclusive college culture. he works tirelessly to ensure that all students feel valued and supported, regardless of their background or abilities. His kindness and compassion are felt by everyone who walks through the doors of Sethu Institute of Technology.

We are truly fortunate to have such an incredible leader at the helm of our college. He is a shining example of what can be achieved when someone has a true passion for education and a deep love for their students. We are proud to call him our principal, and we know that he will continue to inspire us all for years to come.

DR. S. SIVA RANJANI  
M.E.,PH.D.,  
PROFESSOR & DEAN

She is the Professor and Dean (CSE and IT) of Sethu Institute of Technology. She is well experienced and dedicated teacher service for more than 16 years in academics and research. She has published papers in more than 15 International Journals in peer-reviewed Journals.



She has attended more than 20 conferences. She is a recognized supervisor at Anna University and has produced three doctorates. She is awarded “Lilavati Award” in the year 2022 by AICTE, New Delhi for the service rendered by her in the field of Literacy and Life skills. She is approachable and supportive, creating an open-door policy for students and faculty to discuss their concerns and ideas. She is also an excellent listener, taking into account the feedback and suggestions of others to make informed decisions that benefit everyone.



DR. M. POOMANI@PUNITHA,  
B.TECH.,M.E.,PH.D.,  
HOD -IT

Dr. M. Poomani@Punitha, B.Tech., M.E., Ph.D., heads the Information Technology department with over 15 years of teaching experience. A dynamic individual, she has published papers in over 5 domestic and international journals, dedicated to guiding young minds towards success and achievements.

She is known for her Wonderful Administration and High Achievements. She is always looking for new opportunities to improve the department's performance, whether it's by introducing new programs or courses, creating new research initiatives, or improving the quality of teaching and learning. She is also a strategic thinker who has a clear vision for the future of the department.



## ABOUT OUR DEPARTMENT

The Department of Information Technology was established in 1999 and received the "Best Department Award" in 2003. The Department is equipped with a global presence and advanced technology. The department offers a 4-years Bachelor of Technology program in Information Technology with the inclusion of a well-designed curriculum and Industry offered courses that develop IT Professionals. The department has highly efficient faculties and state-of-the-art laboratories. The faculties and students actively participate in the consultancy work with the collaboration of various organizations. The department received funds for the modernization of the laboratory from AICTE.

At Sethu Institute of Technology, the Information Technology department is committed to providing students with a well-rounded education that goes beyond technical skills. Students are encouraged to develop their critical thinking, problem-solving, and communication skills, all of which are essential for success in today's global economy. One of the hallmarks of the Information Technology department at Sethu Institute of Technology is its focus on hands-on learning. Students have access to a wide range of cutting-edge tools and technologies, including computer labs equipped with the latest software and hardware, and they are encouraged to participate in research projects and internships that provide real-world experience. Anna University has recognized the department as a Research Center in the year 2024.



# INFORMATION TECHNOLOGY

*Sethu Institute Of Technology*

## *COLLEGE VISION*

To promote excellence in the technical education and scientific research for the benefit of the society

## *DEPARTMENT VISION*

To promote excellence in producing competent IT Professionals to serve the society through technology and research

## *COLLEGE MISSION*

*To provide quality technical education to fulfill the aspiration of the student and to meet the needs of the Industry*

*To provide a holistic learning ambience*

*To impart skills leading employability and entrepreneurship to*

*To establish effective linkage with Industries*

*To promote Research and Development activities*

*To offer services for the development of society through Education and Technology*

## *DEPARTMENT MISSION*

*Producing competent professionals in information and technologies communication*

*Educating the students with the state of the art computing environment and pedagogical innovations*

*Encouraging entrepreneurship and imparting skills for employability*

*Establishing collaboration with IT and allied industries*

*Promoting research in information and communication technology to improve the quality of human life*

*Offering beneficial service to society by imparting knowledge and providing IT solutions*

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# PROGRAM OUTCOME

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1. Apply the knowledge of mathematics, basic Science, computer and communication

Fundamentals to the solve complex problems in Information Technology [Engineering Knowledge]

2. Identify, formulate, review research literature, and analyze complex problems reaching concrete conclusions using principles of mathematics, Engineering sciences. and Information Technology. [Problem Analysis]

3. Design solutions for complex information and communication engineering problems and design system components or processes that meet realistic constraints for public health, safety, cultural, societal, and environment considerations. [Design/ Development of Solutions]

4. Conduct investigations of complex Information technology related problems using research based knowledge and research methods including design of experiments, analysis and interpretation of data to provide valid conclusions through synthesis of information. [Conduct investigations of complex problems]

5. Create, select and apply appropriate techniques, resources and modern IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations. [Modern Tool Usage]

6. Apply reasoning informed by contextual knowledge to assess societal, health, safety, legal and cultural issues and consequent responsibilities relevant to professional engineering practice. [The Engineer and Society]

7. Understand the impact of professional engineering solutions in societal and environmental contexts and demonstrate the knowledge of and need for sustainable [Environment sustainability] development. and

8. Apply ethical principles and commit to professional ethics and responsibilities through the norms of professional engineering practice. [Ethics]

9. Function effectively as an individual and as a member or leader in diverse teams and in multidisciplinary settings. [Individual and Team Work]

10. Communicate effectively with the engineering community and the society at large by being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions. [Communication]

11. Demonstrate knowledge and understanding of engineering and management principles and apply these to one's own work, as a member or leader in a team, to manage projects in multi-disciplinary environment. [Project Management and Finance]

12. Recognize the need for, and have the preparation and ability to engage in independent and life- long learning in broadest context of technological change. [Life- long Learning]





# PROGRAMME EDUCATIONAL OBJECTIVES

## *PEO-I*

Exhibit proficiency in analyzing, designing, and developing IT- based solutions to cater to the needs of the Industry. [Technical Competence]

## *PEO-II*

Provide professional expertise to the industry and society with effective communication and ethics. [Professionalism]

## *PEO-III*

Engage in lifelong learning for professional development and research. [Life-Long Learning]

# PROGRAMME SPECIFIC OBJECTIVES

## *PSO-I*

Design software solutions using programming skills and computing technologies.

## *PSO-II*

Design and implement data communication systems using various IT components.

# Infrastructure



## LABORATORY

- Programming Language Lab
- Software Development Lab
- Software Freedom Lab
- Project Lab



## SEMINAR HALL

It is a highly modernized Air Conditioned Classroom with a minimum of 100 seating capacity. The Seminar Hall is equipped with high-level interactive Projectors, and audio and visual systems which provide collaborative learning among the students. Events such as Symposium, Technical events, Seminars, Conferences, and various kinds of programs are conducted through this seminar hall.



## SMART CLASSROOM

It is a modernized Air Conditioned Classroom accommodates at least 60 students. It features advanced interactive projectors and audio-visual systems, fostering quality education by enhancing concept formation, elaboration, reading skills, and academic achievement. The space hosts various events like Innovation Contests, Toastmasters Meetings, and Department programs regularly.



# Article

# THE FUTURE

## VIRTUAL REALITY

Virtual reality (VR) immerses users in computer-generated environments through specialized headsets, providing a lifelike experience. These headsets track users' movements and feature high-resolution displays for realistic 3D visuals



## AUGMENTED REALITY

Augmented Reality (AR) seamlessly integrates digital information or virtual elements into the real-world environment, enhancing the user's perception and interaction. By overlaying computer-generated graphics, sounds, or other sensory enhancements onto the physical world.





## MICROPACKING

Micropacking refers to the development of smaller, more efficient, and more environmentally friendly packing solutions. This innovation aims to enhance sustainability in the packing industry. It involves using minimal materials while ensuring maximum protection and functionality for products. The future of micropackaging looks promising as technology continues to advance trends, including the use of biodegradable and compostable materials. Companies are also exploring 3D printing for customized and minimalistic packing solutions. Overall, the future of micropackaging appears to be driven by eco-friendly materials, smart technology, and a focus on minimizing environmental impact while maintaining product quality.

-Harini.K,  
2nd Year IT-A



# Ethical Hacking

Ethical hacking, an penetration testing, has gained immense popularity in recent years. This advanced technique allows cybersecurity experts to identify. By simulating real-world attacks, ethical hackers help organizations identify.



Ethical hackers work towards creating a safer digital environment, protecting the interests of society as a whole.

Some people may feel uncomfortable with the idea of ethical hackers accessing their personal information. The benefits of ethical hacking are not always immediately apparent to the general public. Ethical hacking plays a crucial role in advancing digital security and maintaining the privacy and safety of individual's and organizations.



# Modern communication

*Modern communication has undergone a transformative evolution, propelled by technological advancements. In the digital age, communication is no longer confined to traditional channels but has expanded exponentially, shaping the way individuals and societies interact.*

## **Digital platforms and connectivity**

*The rise of social media platforms has transformed the dynamics of interpersonal communication. Instant messaging and video calls have become integral to real-time connections. Global connectivity allows individuals to bridge geographical gaps effortlessly.*

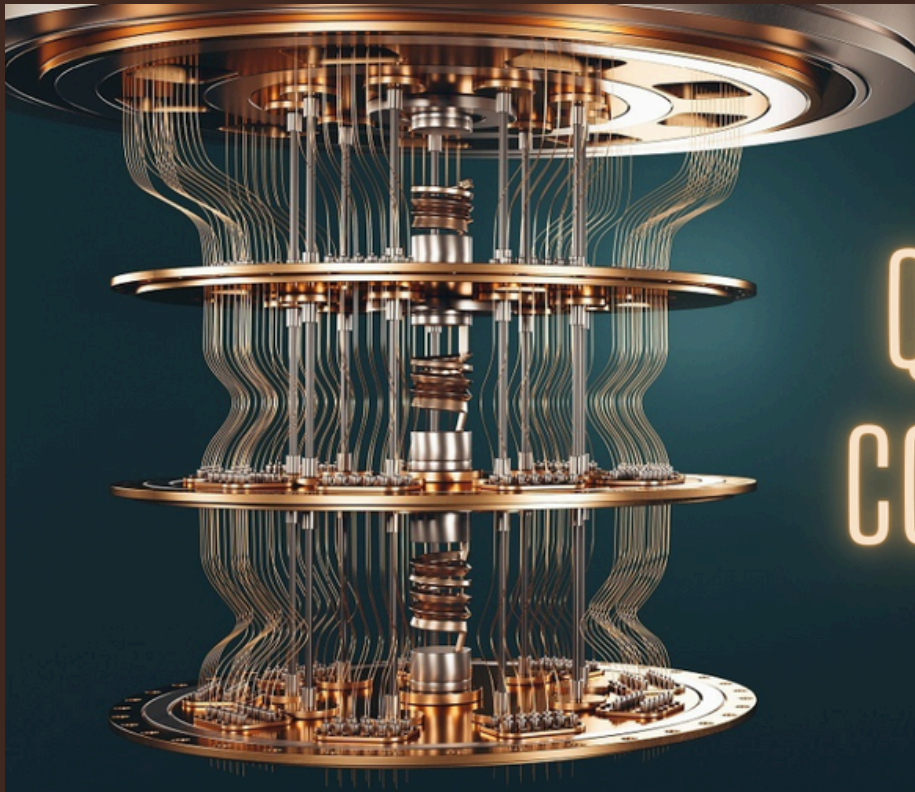


## **Mobile Connections**

*Smartphones have become ubiquitous, serving as powerful tools for communication on the go. Mobile apps enable quick access to emails, messaging, and social networking.*

## **Evolution of Email**

*Email remains a cornerstone of professional communication, evolving with features like encrypted messaging. The challenge lies in managing information overload and maintaining effective communication.*



## QUANTUM COMPUTING

Quantum computers are highly sensitive devices that rely on delicate quantum states to perform computations. Cosmic rays, which are high-energy particles originating from outer space, can interfere with these quantum states and disrupt the functioning of quantum computers. Here's why:

### **Quantum States Susceptibility:**

Cosmic rays can introduce energy into the quantum system, causing qubits to lose coherence, which is crucial for performing calculations accurately.

### **Error Correction Challenges:**

Cosmic ray interference can introduce errors that are difficult to correct, particularly in large-scale quantum systems where maintaining coherence across numerous qubits is already challenging.

### **Environmental Shielding:**

Achieving complete shielding from cosmic rays is challenging, as these particles can penetrate through various materials and reach the sensitive components of quantum computers.

### **Increased Sensitivity:**

As quantum computing technology advances and qubits become more sensitive and interconnected, they become increasingly susceptible to external disturbances like cosmic rays.

Addressing the challenges posed by cosmic rays and other sources of interference is an ongoing area of research in quantum computing. Scientists are exploring techniques to enhance the resilience of quantum computers and enable more reliable and scalable quantum computation.

-Sri varshini.M,  
4th Year IT



# Artificial Intelligence

## Creative Expression and Entertainment:

Deep fake AI enables filmmakers, content creators, and artists to produce immersive visual and audio experiences, including special effects, voice impersonations, and digital performances, that were previously challenging or impossible to achieve.

## Enhanced Visual Effects:

In the film and television industry, deep fake AI can streamline the production process by providing cost-effective alternatives to traditional visual effects techniques. It allows for the creation of lifelike characters, scenes, and environments, enhancing storytelling and audience engagement.

## Research and Development:

Deep fake AI technology serves as a valuable research tool for studying human perception, cognition, and behavior. Researchers can use synthetic media generated by deep fake algorithms to investigate how individuals interpret and respond to visual and auditory stimuli, leading to insights into human psychology and communication.

## Potential for Personalized Content:

Deep fake AI can be used to generate personalized advertisements, educational materials, virtual avatars, and other forms of content tailored to specific audiences, enhancing user engagement and satisfaction.



**-Maha Lakshmi.M,  
4th Year IT**



3D printing, also known as additive manufacturing, is a process of creating three-dimensional objects from a digital file.

## *Design:*

The process starts with creating a digital 3D model of the object to be printed. This model can be designed from scratch using CAD (Computer-Aided Design) software or obtained from a 3D scan of an existing object.

## *Slicing:*

The digital model is sliced into thin horizontal layers using slicing software. Each layer corresponds to a cross-section of the final object.

## *Printing:*

The sliced layers are sent to the 3D printer. The printer then builds the object layer by layer, typically by extruding molten plastic filament through a heated nozzle (FDM) or by curing liquid resin with UV light (SLA). Other technologies like SLS use lasers to sinter powdered material, such as plastic, metal, or ceramic, into solid layers.

## *Post-Processing*

Post-processing can include removing support structures, sanding, or applying other surface finishes.



**-Karpaga sneha.M V,  
4th Year IT**



# Smart Jacket



Riding bikes has become one of the most popular day-to-day activity, especially after the lockdown phase, as everyone was fed up in their homes during Corona time and needed some free air to breathe. While this trend appears to have many advantages, the issue of visibility and detection will always be the key concern for the riders, since they frequently struggle to stay safe among other vehicles on curving roads and especially at night. A smart jacket with an all-in-one system was developed to help the riders to feel safe and enjoy their rides. a detection system was created using ultrasonic sensors to detect nearby obstacles in the area and alert the riders via a buzzer or vibration sensor. The use of these technologies helps the riders to ride a motorcycle much safer, particularly for those who ride at night. The system notifies the riders with vibration, if the obstacle is at 10 m of distance and with a buzzer, if the obstacle is at 5 m of distance. The rear of the jacket has a safety vibration alarm to notify the rider that an obstacle is at a certain distance. With this technological advancement, many road accidents can be avoided and thus saves human life. The use of this smart jacket provides riders with the ability to be more aware of their surroundings, which can be beneficial in terms of avoiding accidents and improving their safety.

"A hero is not the one who never falls. He is the one who gets up, again and again, never losing sight of his dreams."

- ROCK LEE



*-Rethanya,  
2nd Year IT-B*



# UNLIMITED DATA STORAGE AND ITS BENEFITS.



This article explores the profound benefits of unlimited data storage, shaping the landscape of technology and ushering in a new era of innovation.

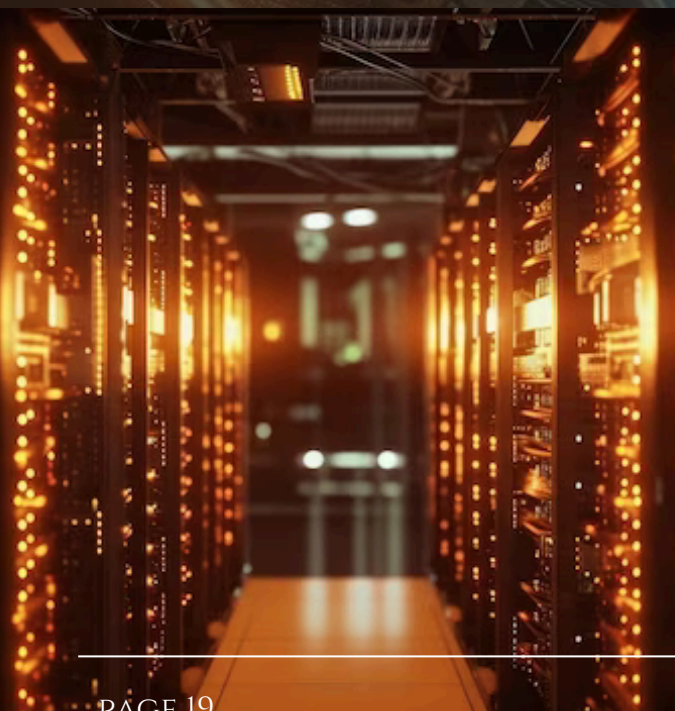
operations and enhancing their services without being hindered by storage limitations.

## **unprecedented scalability:**

Unlimited data storage liberates organizations from the constraints of traditional storage limits. Businesses can scale their data infrastructure seamlessly, accommodating the ever-growing volume of information without worrying about running out of space. This scalability ensures the companies can focus on expanding their

## **Enhanced data accessibility:**

With unlimited data storage, access to critical information becomes instantaneous. This accessibility facilitates quick decision-making processes, as users can retrieve and analyze data without delay. Real-time access empowers businesses to stay agile and responsive in a dynamic market, gaining a competitive edge.





# BEYOND THE ECHO CHAMBER

## *The Ethics of AI-Driven Political Persuasion by ChatGPT*



ChatGPT, developed by OpenAI, introduces a new era of personalized political ads by tailoring content to users' personalities. While this promises a more engaging information experience, ethical concerns emerge. Critics worry that the personalization may create information bubbles, reinforcing existing beliefs and compromising privacy through extensive data collection. To navigate this ethical landscape, the article emphasizes the importance of regulatory frameworks, industry standards, and media literacy education to strike a balance between personalization and responsible AI usage. The goal is to ensure that advanced language models like ChatGPT enhance democratic discourse without undermining principles of informed decision-making and diverse perspectives.

In this evolving landscape, addressing the privacy issues tied to data collection is crucial. The article highlights the necessity for clear guidelines on consent, transparency, and responsible AI practices to mitigate risks associated with personalized political messaging. Alongside regulation, promoting media literacy becomes essential to empower users in critically evaluating content and distinguishing between authentic information and potentially manipulative messaging. The collective effort to establish ethical guardrails is seen as vital for harnessing the benefits of AI advancements while safeguarding democratic values.

-Shritharini,  
2nd Year IT-B



# Article

REMEMBER  
THAT DREAM  
WAS PLANTED  
IN YOUR HEART  
FOR A REASON.

## Healthy Lifestyle Habits

Living a healthy lifestyle is all about making small but impactful choices that can transform our well being. By incorporating simple habits into our daily routines, we can nurture our bodies and minds. Eating a balanced diet filled with nutritious foods, staying active through regular exercise, getting enough sleep, managing stress effectively, and fostering positive relationships are key pillars of a healthy lifestyle. So let's embrace these habits and embark on a journey to a vibrant and thriving life!



## SUSTAINABLE AGRICULTURE

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"In The World, No One Is Perfect. Even If You Keep Pursuing Perfection, You'll Never Reach It. But Along The Way, You'll Become Something Great."

*-Naruto Uzumaki*

Sustainable agriculture is a critical approach to farming that emphasizes responsible land management, aiming to maintain and enhance productivity while minimizing environmental impact. It revolves around key principles such as nurturing soil health through practices like crop rotation and reduced tillage, conserving water through efficient irrigation methods, and prioritizing natural pest control to minimize chemical use. Innovations like agroforestry and precision agriculture offer promising solutions that will showcase the benefits of sustainable farming. However, scaling these practices faces challenges, highlighting the need for ongoing advancements and widespread adoption to secure a more resilient and environmentally conscious future in agriculture.



# ELECTRIC VEHICLE

*Electrify your journey*

In the Past 5 years the awareness of electric vehicles have been increasing rapidly, A recent statistics say that the amount of Electric vehicles in the market has gone from 5.5% to a whopping 32%, parallely the prices have been reduced by 25% in the modern market.

Lets see why people's preference is transferring from petroleum vehicles to Electric vehicles, due to inflation the price of petrol skyrocketed from ₹75 per liter to ₹103.35 per liter the increase in price per liter is around ₹30, This issue was one of the main reason for people to prefer EV vehicles over fuel vehicles.



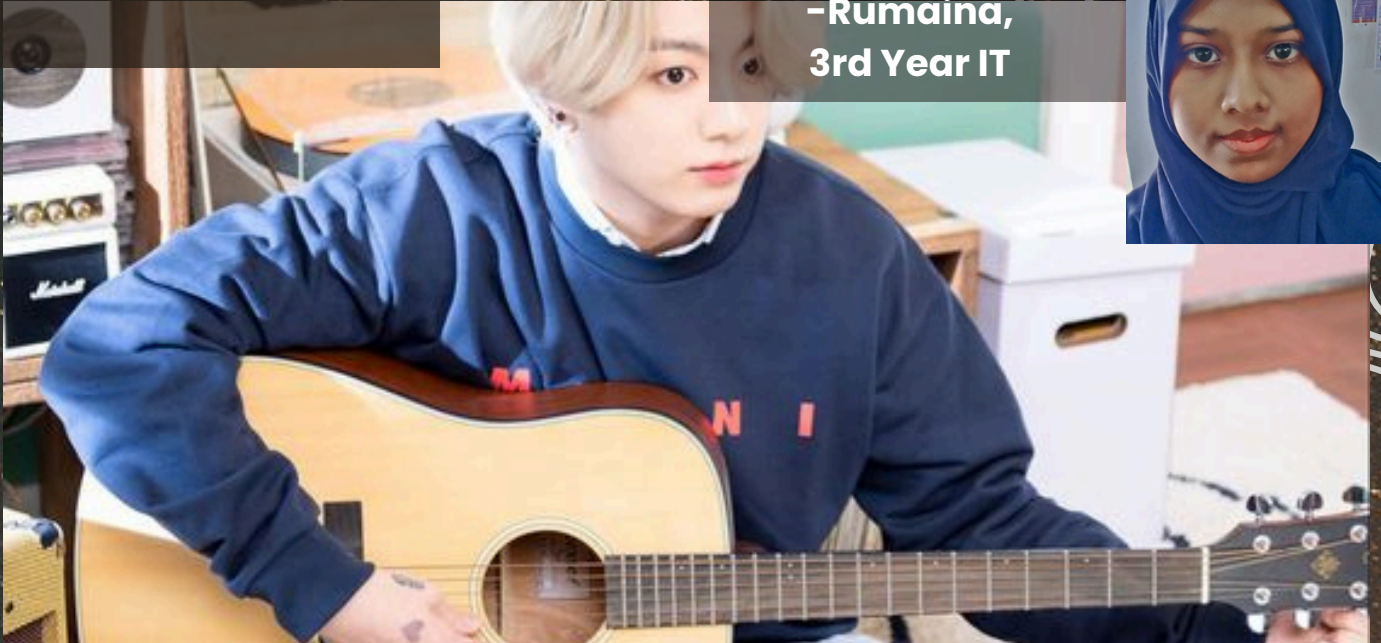
Now let's see why this is a hidden gold market, each ev requires a fast charger capable of charging it. Now the demand for these chargers are really high and the charges for them are even higher, in simple words a unit of current costs ₹7 (commercial), the average price for a unit in commercial charger's is around ₹20, it's almost 150% in profit.



In terms of EV sales, the ex showroom or manufacturing price is 25% lesser than the selling price, so clearly it's a profit either way. In the current market, the best manufacturers of EV are below

Cars : TATA, Mahindra  
Bike : Ather, ola

-Rumaina,  
3rd Year IT



Hobbies and passions provides profound meaning to our lives what sets apart the ordinary from the extraordinary is fusion of the two elements—turning pastime into a mere soul-enriching pursuit. Hobbies, often born out of curiosity or leisure, offer a delightful escape from the rigors of daily life. Whether it's the precise strokes of a paintbrush, or the quiet solitude of a book, hobbies carve out moments of tranquility and self-discovery. These individuals find themselves in a state of flow, where time seems to dissolve, and the act of creation becomes an essential part of their being. The journey from hobby to passion is not always linear. It requires a willingness to explore, experiment, and embrace the gradual development of one's interests. As one engages in activities that bring joy, skills naturally evolve, and a sense of purpose unfolds. This unique blend enriches our lives, creating a balance that goes beyond mere routine. In conclusion, the integration of hobbies and passions is a recipe for a fulfilling life. It's about nurturing the seeds of curiosity, cultivating interests, and allowing the heart to guide the journey. When hobbies become more than just pastimes and passions become more than mere interests, a harmonious symphony of fulfillment plays out, making life a masterpiece of self-expression and discovery.

## Harmonizing Hobbies and Passions





# Harry Potter

## A Journey into the Wizarding World

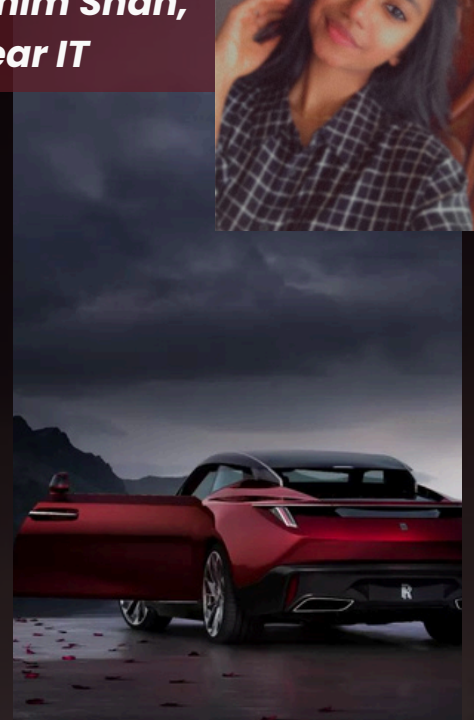
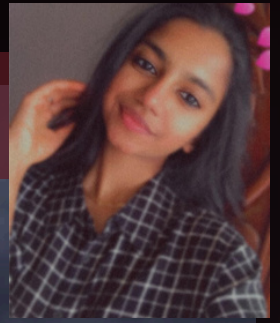


Delve into the enchanting realm of Harry Potter, where J.K. Rowling's literary masterpiece seamlessly transitioned from page to screen, captivating audiences worldwide. The series, beginning with 'Harry Potter and the Philosopher's Stone' in 1997, evolved into a cinematic triumph under Chris Columbus's direction, bringing Hogwarts to life with visually stunning adaptations. Beyond the magical spectacle, the heart of Harry Potter lies in its timeless themes, emphasizing the power of friendship, imparting valuable life lessons, and crafting complex character arcs. The series has become a cultural phenomenon, leaving an enduring legacy that extends beyond books and movies to theme parks, fan communities, and ongoing creative inspiration.

Today, the magic of Harry Potter lives on, captivating successive generations and ensuring its place as a cherished cultural treasure. As we celebrate the enduring magic of Harry Potter, its impact becomes clear in the deep resonance of its themes and characters. Friendship, courage, and the redemptive power of love weave through the narrative, transcending the fantasy setting to impart profound life lessons. The iconic characters and their evolution, coupled with

J.K. Rowling's storytelling prowess, contribute to the series' continued relevance. Harry Potter's cultural impact remains unparalleled, with a dedicated global fan base keeping the magic alive through events, conventions, and creative expressions. Beyond the books and films, Harry Potter stands as a testament to the enduring power of storytelling, inviting each generation to embark on a timeless journey into the wizarding world.

-Lubna Thamim Shah,  
4th Year IT



## ROLLS-ROYCE LA ROSE NOIRE DROPTAIL

### ART IN MOTION

A MODERN INTERPRETATION OF THE ROADSTER BODY STYLE, DROPTAIL REPRESENTS THE NEXT CHAPTER OF ROLLS-ROYCE COACHBUILD. ONLY FOUR EXPRESSIONS OF THE MOTOR CAR WILL EVER BE MADE, EACH THE RESULT OF REMARKABLE COLLABORATIONS BETWEEN COACHBUILD ARTISANS AND AMBITIOUS, VISIONARY CLIENTS. THE FIRST COMMISSION, ROLLS-ROYCE LA ROSE NOIRE DROPTAIL, EMBODIES THE ALLURE OF THE BLACK BACCARA ROSE.

### AN ABSTRACT MOTIF

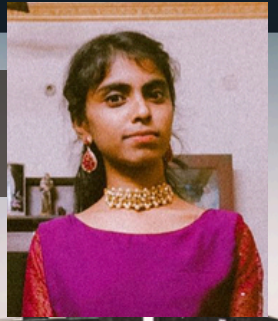
THE CURVED SHAWL PANEL, FASCIA, AND DOORS PRESENT THE SINGLE MOST COMPLEX EXPRESSION OF PARQUETRY EVER CREATED BY ROLLS-ROYCE. FORMED FROM 1,603 PIECES OF BLACK SYCAMORE VENEER, SYMMETRICAL TRIANGLES ARE PUNCTUATED BY ASYMMETRICAL RED SEGMENTS, CREATING AN ABSTRACT ARTWORK OF FALLING ROSE PETALS THAT COSSET THE DRIVER AND PASSENGER. THE GREY PIECES RETAIN THE WOOD'S NATURAL COLOUR AND WERE CRAFTED FROM SEVERAL LOGS TO ACHIEVE TONAL VARIATION. IN TOTAL, THE PARQUETRY REQUIRED NEARLY TWO YEARS OF DEVELOPMENT AND OVER NINE MONTHS OF FLAWLESS CRAFTSMANSHIP.

### THE ROADSTER RENAISSANCE

A ROSE NOIRE DROPTAIL REPRESENTS THE RETURN OF THE ROADSTER BODY TYPE. WITH A COCOONING TWO-SEAT INTERIOR, IT DIVERGES FROM ROLLS-ROYCE'S TRADITIONAL FOUR-SEAT CONVENTION — A FIRST IN THE MARQUE'S MODERN HISTORY. THE CLIENTS MAY DRIVE IN TWO DISTINCT STYLES. THE FIRST, WITH THE ROOF REMOVED, CREATES A THRILLING OPEN-AIR EXPERIENCE CHARACTERISTIC OF THE ROADSTER. THE SECOND, WITH THE HARD ROOF INSTALLED, TRANSFORMS THE CAR INTO AN EXHILARATING COUPÉ.

NON TECHNICAL

-Janet Reni.J,  
4th Year IT



# THE NEW SEVEN WONDERS OF THE WORLD

# A JOURNEY INTO THE SEVEN WONDERS OF THE WORLD

Embark on a global odyssey to explore the Seven Wonders of the World, from the Taj Mahal in India to the Great Wall of China. These awe-inspiring structures transcend borders, showcasing human ingenuity and cultural richness across continents.



## ➔ Taj Mahal (India)



A white marble mausoleum in Agra, India, built by Mughal

Emperor Shah Jahan in memory of his wife Mumtaz Mahal.

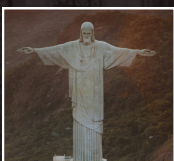
## ➔ Colosseum (Italy)



The Colosseum is an elliptical amphitheatre in the centre of the city of Rome,

Italy, just east of the Roman Forum. It is the largest ancient amphitheater ever built, and is still the largest standing amphitheater in the world.

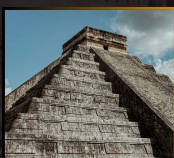
## ➔ Christ the Redeemer (Brazil)



Christ the Redeemer is a colossal Art Deco statue of Jesus Christ located at

the summit of Mount Corcovado in Rio de Janeiro, Brazil.

## ➔ Chichen Itza (Mexico)



Chichén Itzá is a complex of Mayan ruins on Mexico's Yucatán Peninsula.

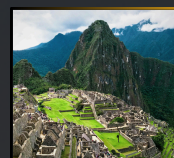
A large pre-Columbian archaeological site built by the Maya civilization, known for the iconic El Castillo pyramid.

## ➔ Petra (Jordan)



An archaeological and historical city known for its rock-cut architecture and water conduit system, it contains tombs and temples carved into pink sandstone cliffs, earning its nickname, the "Rose City."

## ➔ Machu Picchu (Peru)



Machu Picchu is an Incan citadel set high in the Andes Mountains

in Peru, above the Urubamba River valley, Machu Picchu is a UNESCO World Heritage Site.

## ➔ Great Wall of China (China)



The Great Wall of China is a series of fortifications that were built across the historical northern borders of ancient Chinese states. It is a UNESCO World Heritage Site and a symbol of China's rich history.

-Dharani N.N,  
2nd Year IT-A



A long time ago, in the candy world, a journalist asked the customers to share their unforgettable experiences and the expressions in their lives. Mr. Hershey's experience was very interesting. M. Hershey has saved the life of an old man. His story begins like "when Mr. Hershey's was manufactured and sent to the human world. He was very sad and wondered how human beings would treat him. He was worried about missing the candy world, but after coming to human beings, they would treat him. His thoughts about humans completely changed. A little boy bought Mr.Hersheys and took them to his house. He placed him in the refigenerator. Mr. Hershey was shevering inside the refrigerator. He couldn't stay there; he met a lot of veggies and fruits, juices, a Levater bottle, eggs, bread, butter, milk, ice cream, and so on. He felt very comfortable now. Later, he heard a very strange noise outside. He couldn't stay there; he met a lot of veggies and fruits, juices, a Levater bottle, eggs, bread, butter, milk, ice cream, and so on. He felt very comfortable now.



Later, he heard a very strange noise outside. He had low blood pressure, and he had fainted. The little boy is all alone. She opened the refrigerator and took the chocolate. The chocolate screamed. She gave the chocolate to the old man. The old man opened his eyes and thanked the old women. Mr. Hersheys had saved a life. Mr. Hersheys had saved a life. The little boy replaced the remaining chocolates in the refrigerator. Mr. Hersheys couldn't understand what was going on. Orange explained to him that 'when you give chocolates to people who have low blood pressure and if people consume them, they get a lot of energy. This is the story of Mr Hershey's.



# Amul

*A social entrepreneur and dairy engineer has completed his studies using a scholarship. After completing his studies, he started a corporation specializing in dairy farming. He aimed to provide them with quality. He made a well-known revolution named the "white revolution," which was a turning point in dairy farming. This was done to provide the products with quality and the workers were treated with respect and paid periodic wages. His corporation was the conclusion to the middlemen's exploitation. He is well known as the "Milkman of India" with a well-developed and renowned corporation later named "Amul" ,who's now the best-known and leading producer in dairy farming. Dr.Vergheese Kurien was the founder of Amul.*



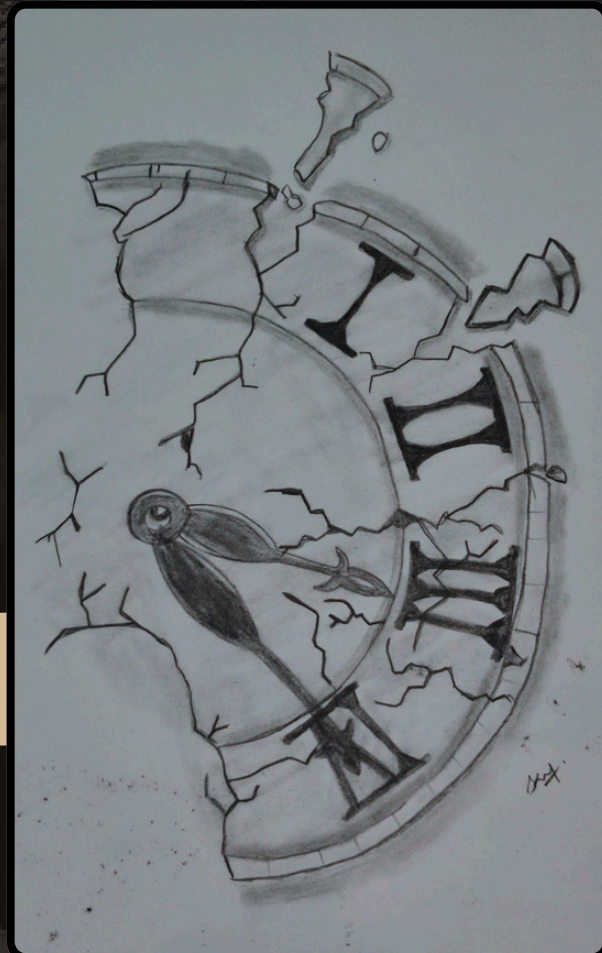
# Art Gallery



**Jeeva Adhithyan.J**  
**2nd Year IT-A**



**Shri Tharini**  
**2nd Year IT-B**



"FAILURE IS AN OPTION  
HERE. IF THINGS ARE NOT  
FAILING, YOU ARE NOT  
INNOVATING ENOUGH."

-ELON MUSK



**Nivetha**  
**2nd Year IT-B**



**Rathika G**  
**2nd Year IT-B**

WE'VE ALL GOT BOTH LIGHT AND DARK INSIDE US. WHAT MATTERS IS THE PART WE CHOOSE TO ACT ON. THAT'S WHO WE REALLY ARE.

**-SIRIUS BLACK**

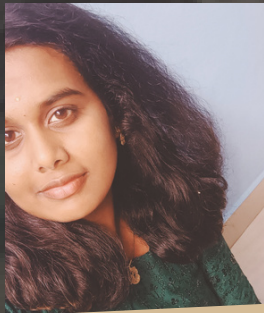


**Yogeshwaran**  
**2nd Year IT-B**

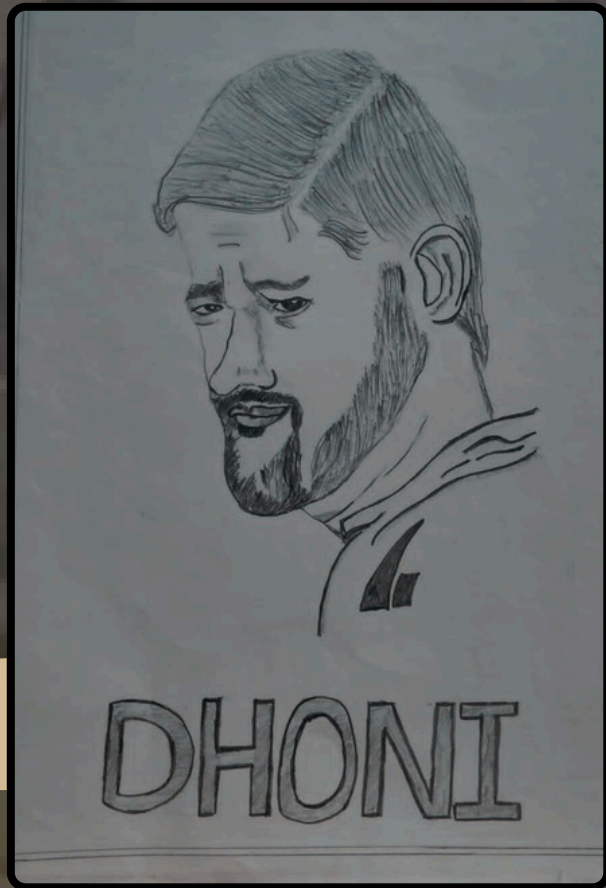


**Dineshkumar R**  
**3rd Year IT**



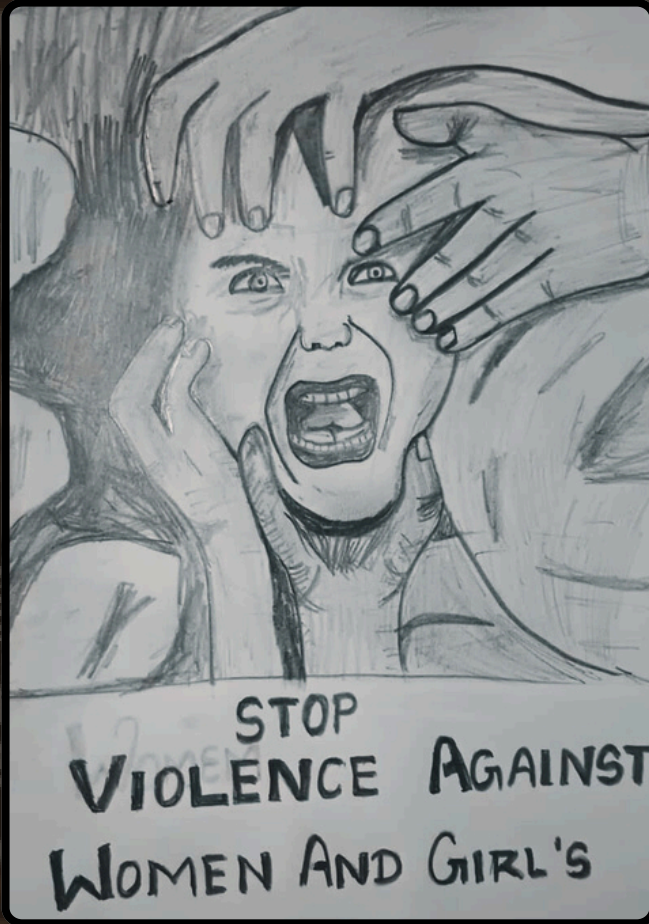


**Sobana**  
**2nd Year IT-B**



**Karthick Kumar D**  
**2nd Year IT-A**





**Mohammed Irfan**  
**3rd Year IT**



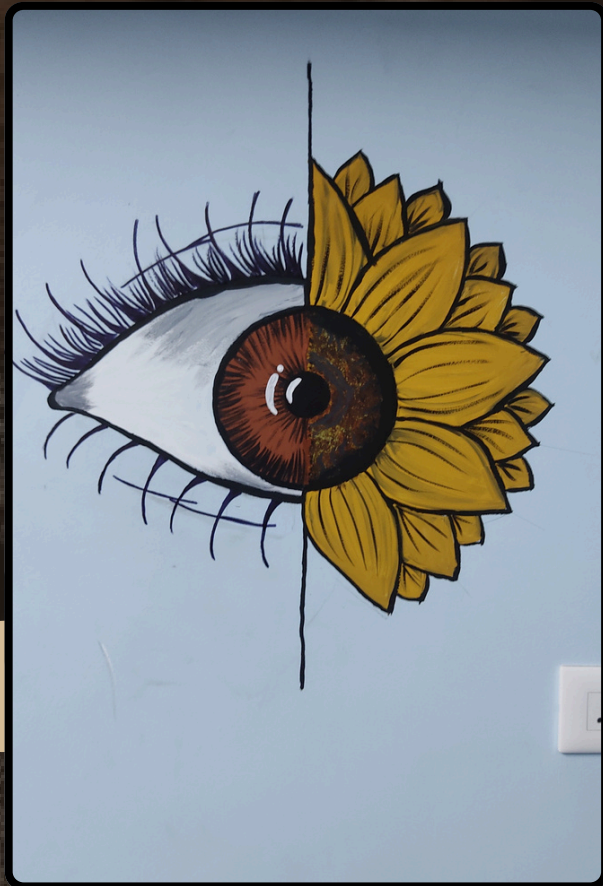
**Lubna Thamim Shah**  
**4th Year IT**



"ONE DAY THE PEOPLE  
WHO DIDN'T BELIEVE  
IN YOU WILL TELL  
EVERYONE HOW THEY  
MET YOU."  
-JOHNNY DEPP



**Karpaga sneha.M V**  
**4th Year IT**



**Divya bharathi.M**  
**4th Year IT**

# Photography

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“  
**Santhosh kumar.S**  
**4th Year IT**  
”



“  
**Shakthipriya.N**  
**4th Year IT**  
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“  
**Manoj kumar.M**  
**4th Year IT**  
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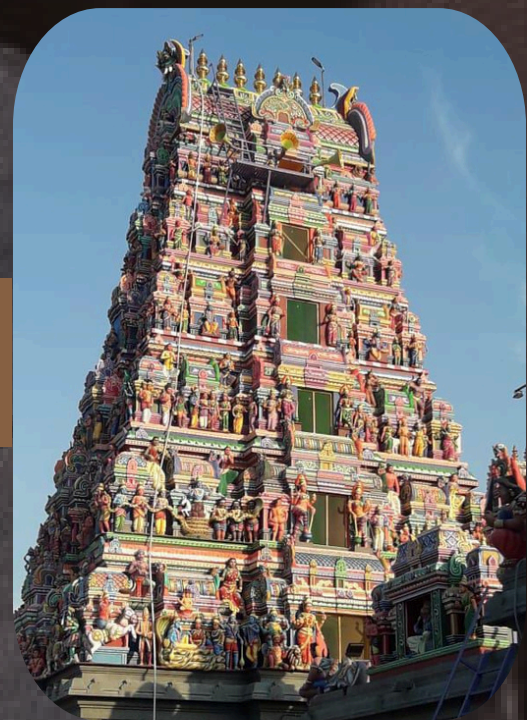
**Abishek**  
**2nd Year IT-A**



**Jeeva Adhithyan.J**  
**2nd Year IT-A**



**Rathika.G**  
**2nd Year IT-B**





**Jeganesh kumar.S**  
**2nd Year IT-A**



**Arun.G**  
**2nd Year IT-A**

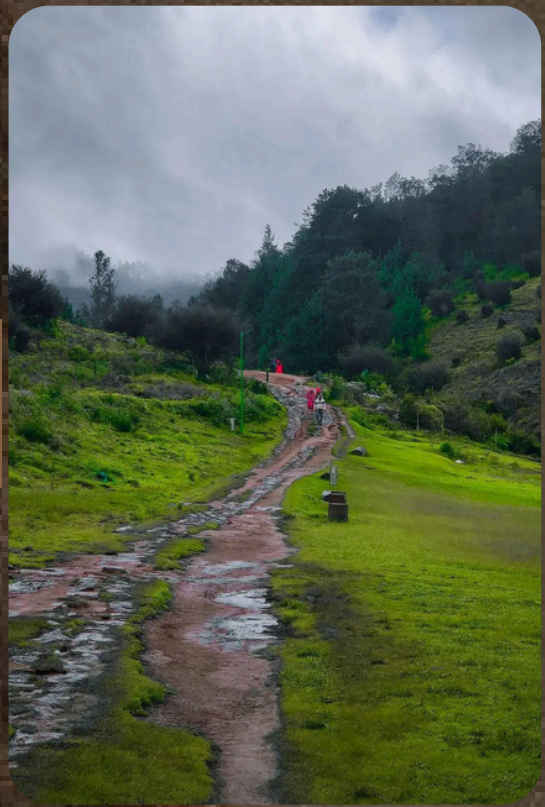


**Suba shree.NA**  
**3rd Year IT**

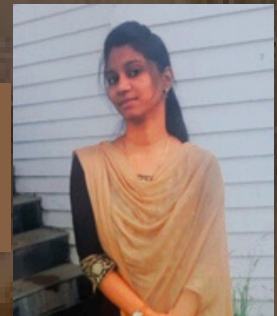




“  
**Karthikeyan.V**  
**3rd Year IT**  
”



“  
**Aasifa Banu.R**  
**4th Year IT**  
”



“  
**Manjula.R**  
**2nd Year IT-B**  
”





“

**Suraj.S.S**  
**3rd Year IT**

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“

**Jeyageetha.R**  
**2nd Year IT-A**

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“

**Muthuswetha**  
**2nd Year IT-B**

”

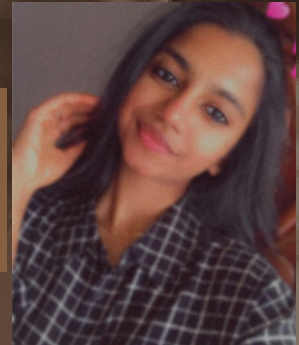




“  
**vaishnavi.V**  
**2nd Year IT-B**  
”



“  
**Lubna Thamim Shah**  
**4th Year IT**  
”



“  
**Madhumitha.R**  
**4th Year IT**  
”



# கவிதை

## வலியின் விதி

கார்மேகங்கள் கருமையாக  
இருக்கலாம்  
அதன் மழை மகிழ்ச்சியளிக்கும்  
வேர்கள் கருமையாக  
இருக்கலாம்  
அதன் செடி பல நன்மையளிக்கும்  
எல்லாவற்றிற்கும் ஒரு காரணம்  
உண்டு  
அதனை நன்றாக பார்த்தால்  
அதன் அர்த்தம் புரியும்.

-ஷ்ருதி,  
2nd Year IT-B



# தாய் மண்

கண்டங்கள் ஏழு கடந்து வந்தாலும்,  
நாடுகள் பல தொடர்ந்து வந்தாலும்,  
நினைவுகளுடன் கூட வரும்  
சுவாசத்துடன் வாசம் தரும்  
நம் தாய் மண்ணைப் போல  
வருமா? வானத்தை நேசித்தேன்,  
தொட முடியவில்லை.  
காற்றை நேசித்தேன், பிடிக்க  
முடியவில்லை,  
கடலை நேசித்தேன், தாண்ட  
முடியவில்லை,  
இதையெல்லாம் கடந்தி என்  
தாய் நாட்டை நேசித்தேன் மறக்க  
முடியவில்லை!!!!



-அபிராமி.ம,  
3rd Year IT



# நட்பு

பேரண்டத்தின் விட பெரியதாய்  
நிலத்தைப் போல பசுமையாய்  
கடலைப் போல பரந்ததாய்  
வேலைப் போல ஆழமாய்  
படர்ந்து நிற்கும் கற்பக விருட்சமாய்  
சுனைநீரைப்போல சுவையாய்  
மழலை மொழி போல அழகாய்  
வானவில்லைப் போல  
வண்ணங்களாய்  
அதியமானுக்கு கிடைத்த  
ஒளவையாய்  
அருச்சுனனுக்கு கிடைத்த  
கண்ணனாய்  
கோப்பெருஞ்சோழனுக்குக்  
கிடைத்த பிசிராந்தையாராய்  
காலங்கள் பல கடந்தாலும்  
நமது நட்பின் நினைவுகள் என்னும்  
மாறாத வரம் வேண்டும்.

-வைஷ்ணவி,  
2nd Year IT-B



# English Poem

## POWER OF LIFE

If you see the moon  
You see the beauty of god!  
If you see the sun  
You see the power of god!  
If you see the mirror  
You see the best creation of god!  
So believe in yourself...  
When you like a flower  
You first pluck it.  
When you love a Flower  
You water it daily.  
One who understands this,  
understands his life.....

*-Abirami.M,  
3rd Year IT*



# THE COLLEGE

**In lecture halls where knowledge flows,  
A journey starts, as wisdom grows.  
Books and notes, the campus sprawls,  
College dreams on hallowed walls.**

**Late-night study, coffee strong,  
Friendships forged, the bonds grow long.  
Challenges faced, lessons learned,  
In the classroom, minds discern.**

**Dorm room tales and campus life,  
Navigating academic strife.  
Professors guide with steady hand,  
Through the vast and unknown land.**

**Exams and papers, tests of will,  
As dreams and aspirations fill.  
Graduation's triumph nears,  
A chapter ends, another appears.**

**College, a canvas to explore,  
Knowledge knocking at each door.  
Lessons linger, memories stay,  
In the heart, the college way.**

**Sri Akash.G  
2nd Year IT-B**



# HEALING

**Consideration of the world without anything  
With fears and tears in my heart,  
Bouncing like a ball on my axis  
Unstoppable thoughts  
Controlled norms,  
Risky toughs,  
Killed stag, but  
Strong at perils  
Deep in fond  
KEEPS ME BOLD.**

**Hariharan S  
2nd Year IT-A**



# RAIN CLOUDS

**Darkness surrounds the light.  
with an unreachable core,  
Light but weighted, as strengthy rock,  
softened cotton,  
Shiny crystals pour down,  
By cracking and breezing,  
Bloms with happiness**

**Jeganesh kumar  
2nd Year IT-A**





IT TAKES A GREAT  
DEAL OF BRAVERY  
TO STAND UP TO  
OUR ENEMIES,  
BUT JUST AS  
MUCH TO STAND  
UP TO OUR  
FRIENDS.  
-ALBUS  
DUMBLEDORE

# TECH TROUPE OF IT

## FACULTY MEMBERS OF B.TECH IT



## FINAL YEAR STUDENTS OF B.TECH IT 2020-2024

# THIRD YEAR STUDENTS OF B.TECH IT 2021-2025



# SECOND YEAR STUDENTS OF B.TECH IT-A & B 2022-2026

"Learning from failure is a positive way to get a grasp of the harsh realities of life".  
-Jiraiya



**Across**

2. A device that feeds data into a computer, such as a keyboard or mouse.

5. The exclusive right, as recognized separately in each country, to publish and sell literary, artistic, or musical materials.

10. A software system that links topics on the screen to related information and graphics, which are typically accessed by a point-and-click method.

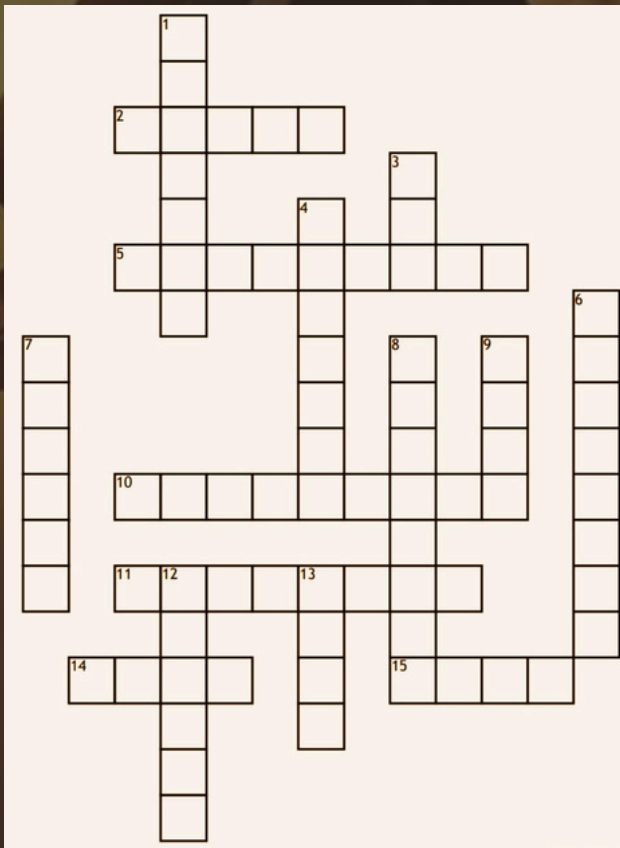
11. copy (data) from one computer system to another, typically over the Internet.

14. Usually consists of eight bits.

15. A measure of the amount of computational work that a computer system performs.

**Down**

1. Usually comprises the display device, circuitry, casing, and power supply



3. An error, flaw, failure, or fault in a computer program or system that causes it to produce an incorrect or unexpected result or to behave in unintended ways.

6. The collection of physical parts of a computer system.

4. A client software program that runs against a Web server or other Internet server and enables a user to navigate the World Wide Web (WWW) to access and display data.

7. Sending an email, posting photos on a social media site and using your webcam.

8. part of computer system or network that is designed to block unauthorized access while permitting outward communication.

9. The combination of typeface and other qualities, such as size, pitch, and spacing.

12. Any computer-generated information displayed on screen, printed on paper or in machine readable form, such as disk and tape.

13. A word or group of words that act as a way to cross reference to other documents or files on the computer.



**THINKING CORNER**



# MATHS TRICKS

$$111/(1+1+1)=37$$

$$222/(2+2+2)=37$$

$$333/(3+3+3)=37$$

$$444/(4+4+4)=37$$

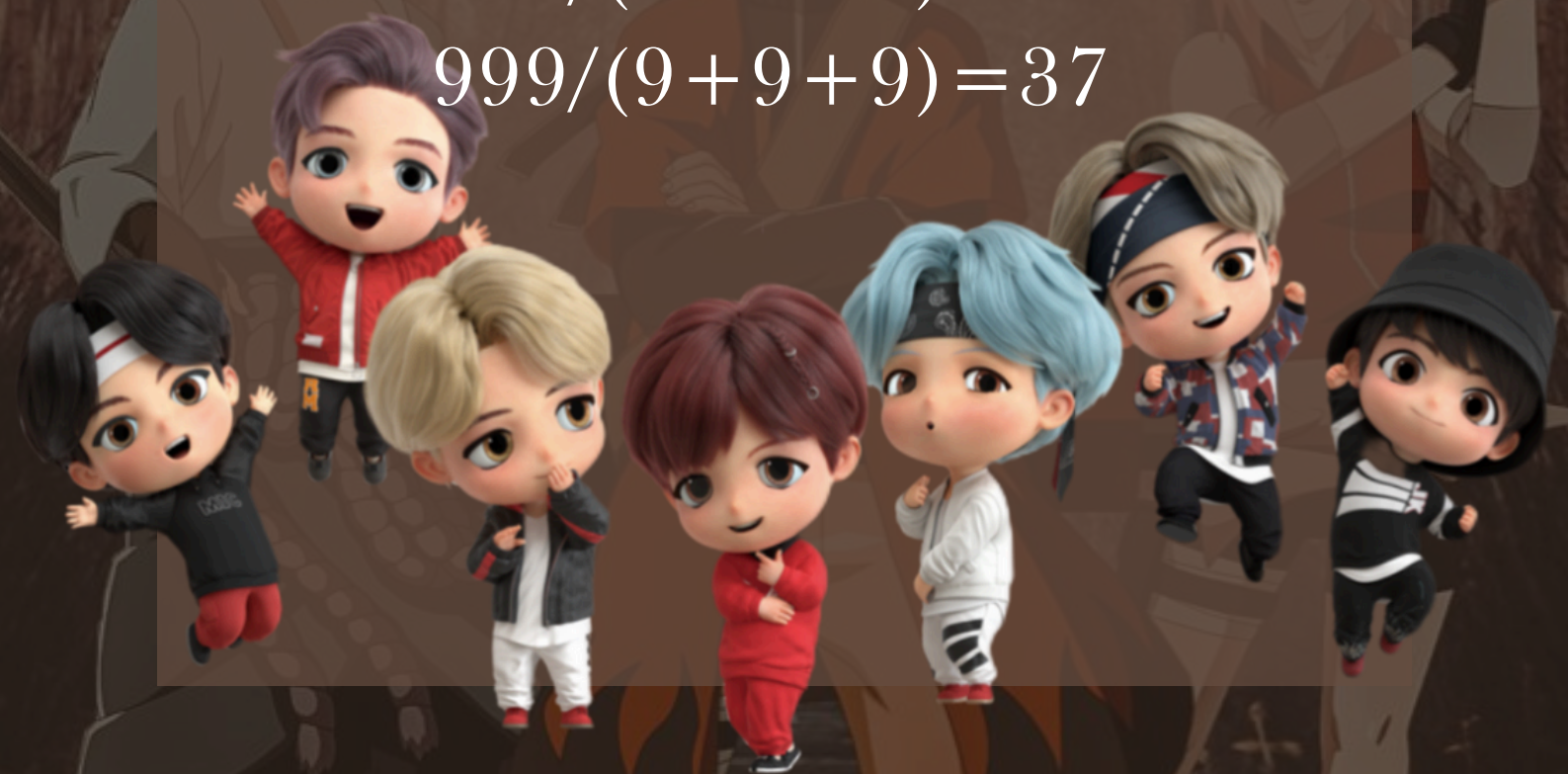
$$555/(5+5+5)=37$$

$$666/(6+6+6)=37$$

$$777/(7+7+7)=37$$

$$888/(8+8+8)=37$$

$$999/(9+9+9)=37$$



# Thursday, 13 June

# 22:16



MESSAGES

now

Without the usage of phones, people might experience reduced stress due to fewer notifications and constant digital interruptions.



HEALTH

6m ago

Without the usage of phones, People spent more time outdoors engaging in physical activities, enjoying nature, and participating in social events



APP STORE

22m ago

Without the usage of phones, People were more present in the moment, enjoying experiences without the constant urge to share them instantly on social media.



FACE TIME

1h ago

Without phones, personal conversations and activities were more private, preserving personal space and minimizing unintentional sharing.



REMINDERS

3h ago

Without the usage of phones, Face-to-face interactions could become more meaningful, fostering deeper connections.



SCREEN TIME

1d ago

Without the usage of phones, contributed to better sleep quality, as people were not exposed to the effects of screens before bedtime.

# SUDOKU

			8		1			
							4	3
5								
				7		8		
						1		
	2			3				
6							7	5
		3	4					
			2			6		

# ANSWERS

## Sudoku

2	3	7	8	4	1	5	6	9
1	8	6	7	9	5	2	4	3
5	9	4	3	2	6	7	1	8
3	1	5	6	7	4	8	9	2
4	6	9	5	8	2	1	3	7
7	2	8	1	3	9	4	5	6
6	4	2	9	1	8	3	7	5
8	5	3	4	6	7	9	2	1
9	7	1	2	5	3	6	8	4

## Cross Word

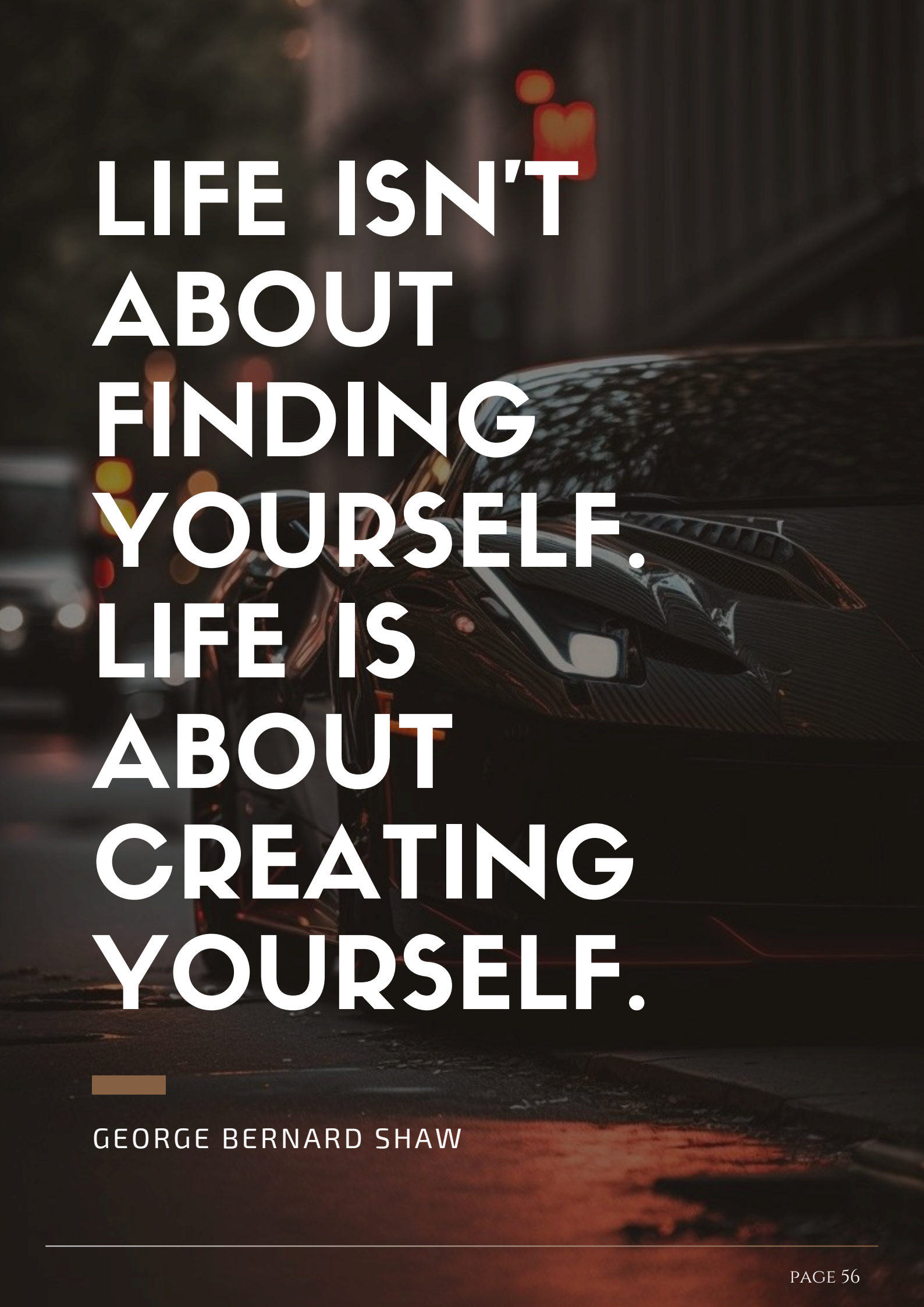
### Across:

- 2. Input
- 5. Copyright
- 10. Hypertext
- 11. Download
- 14. Byte
- 15. Load

### Down:

- 1. Monitor
- 3. Bug
- 6. Hardware
- 4. Browser
- 7. Upload
- 8. Firewall
- 9. Font
- 12. Output
- 13. Link





**LIFE ISN'T  
ABOUT  
FINDING  
YOURSELF.  
LIFE IS  
ABOUT  
CREATING  
YOURSELF.**

—  
GEORGE BERNARD SHAW

**“HAPPINESS CAN BE FOUND, EVEN IN THE DARKEST OF  
TIMES, IF ONE ONLY REMEMBERS TO TURN ON THE LIGHT.”**

**-ALBUS DUMBLEDORE**



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ASSOCIATE PROFESSOR IT**

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**LUBNA.T**

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**3RD YEAR IT**

**SHRUTHI.N**

**2ND YEAR IT-B**



# **SETHU INSTITUTE OF TECHNOLOGY**

**An Autonomous Institution**

**Accredited with 'A++' grade by NAAC**

**(Affiliated to Anna University, Chennai and Approved by AICTE - New Delhi)**

**(Recognized by UGC under section 2(f) & 12 (B) of UGC Act, 1956)**

**DEPARTMENT OF INFORMATION TECHNOLOGY**

**RE-ACCREDITED BY NBA**