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...To Seek



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Emag Vol 04 No.03

Anveshanam

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Echoes of the Past



Let's think of a well-fostered family heirloom, like a beautiful accessory, or even the songs and stories which our grandmother used to make us sleep. Now, imagine, that the heirloom is getting forgotten – *disappearing forever...*

Ancient Indian art forms have a rich and storied history, dating back thousands of years. However, many of these traditional arts are facing a decline due to a variety of factors such as lack of interest, limited financial support, changing tastes, the impact of modern life and global trends, and a decrease in the number of people who encourage these arts.

These arts tell us stories about how people lived in past, what they believed (mostly spiritual), and what was important to them. When you learn about these art forms, you not only learn about history, but you also

get to engage with the art which improves our thinking skills and problem solving abilities. Plus, it makes you feel connected to your own roots and the people who came before you.

Our culture is a big part of who we are. It gives us a sense of belonging and helps us understand our historic values. So if we lose our culture, its equivalent to losing a part of ourselves. By reviving our culture, we can keep it alive for our future generation.

So, what can be done to recover the lost art forms which is necessary for our future? Reviving traditional arts is about keeping these amazing skills and stories alive. It means teaching young people how to do them, like in classes or by learning from older artists. We also need to encourage craftsmen to keep on making these arts so that the culture is retained. To make sure artists can keep creating, we need to help them make a living from their art. And while we want to keep the traditions the same, it's okay for artists to put their own modern twist on things. It's all about finding a way to keep these beautiful art forms alive and exciting for everyone.

Sriharini S
IX Ganga

What more you can find inside:

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FOUNDER'S NOTE

Dear Readers,

Welcome to another issue of our school's e-magazine! This platform is a testament to the incredible talent and diverse interests thriving within our student body.

In this issue, we confront pressing environmental concerns with "Cigarettes of Nature," a thought-provoking article on forest fires, their human origins, and preventive measures. Prepare to be captivated by an 8th grader's suspense thriller, a testament to burgeoning literary genius. "Echoes of the Past" will transport you through time, exploring the enduring relevance of our artistic heritage and the importance of its preservation.

Journey with a Class 12 student through the vibrant landscapes of "A Glimpse of Kerala," and marvel at the ingenuity of a young inventor's "Air Ambulance" – a brilliant concept brought to life with a beautiful drawing. Our "Design Board" showcases stunning artwork from various classes, while "Home Automation" delves into the fascinating world of sensors and Arduino.

This e-magazine is a window into the hidden talents and boundless creativity of our students. We hope you enjoy every page!

Warmly,

Geetha Narasimhan

Principal

Cigarettes of Nature

Have you ever seen a jungle bum? Many of you would recall the dramatic scenes from the movie "Jungle Book". Well you would be surprised at how many forest fires happened in 2024 alone.

Forest fires can be natural or human-caused. Natural wild fires tend to happen because of lightning strikes or volcanic eruptions, sometimes even because of the friction caused when leaves rub against each other. Climate change and droughts can exacerbate the likelihood and severity of wildfires. However it is estimated that 90% of fires are human caused. Out of this 30% are deliberate acts of arson while the rest 70% are started accidentally or as a direct result of human carelessness (like campfires left unattended and discarded cigarettes). Forest fires pollute water bodies and the air heavily. A massive amount of CO₂ is released into the air increasing the already problematic global warming. Precious wood resources get depleted, tribal people lose their homes and the habitats of species



living there are destroyed. The massive deforestation results in high levels of soil erosion. These fires may take weeks to put out. One example would be the 1871 Peshtigo fire, the deadliest wildfire known to man, that took place in USA. It burned 1.2 million acres of land and killed 1200 to 2500 people. Its intensity even created fire tomadoes

If forest fires are so deadly what can one do to prevent them? Start by checking the weather and drought conditions before going on fire related activities like campfires. Make sure to douse your campfire until it is cold and keep your vehicles off dry grass. Support sustainable forest management practices, and do not smoke or burst fireworks in dry areas. One can also educate communities and visitors about fire safety and prevention and support research and development of new technologies to detect and prevent forest fires. By following these we can ensure that our world's green cover is maintained.

*Aarunya Krishna C
IX Ganga*

THE STRANGER

"I had fun tonight", said Raj. "Yeah me too", said Akash, "We should do this again sometime". Raj and Akash were close friends in college but hadn't kept in touch. They had decided to have dinner together the following Saturday. "Maybe next time we should meet up at a place not so far away from a bus stand!" joked Raj. "Remember when we used to tell each other horror stories in college?" "Yes vaguely. Would you like to do that now?" replied Akash. "Yes I think id enjoy that very much".

An hour passed by and they arrive at the bus stand. Both of them were shaken up from their stories. "At least these stories are fake" Raj said as he let out a sigh of relief and sat down. "Oh really?" said an unfamiliar voice. The surroundings were dark and they couldn't see where it came from. Raj turned to face a cloaked stranger. He was wearing all black and his hood covered his head and cast a shadow on his face, making only his mouth and his gleaming green eyes visible. He looked as though he had walked out of a funeral. As though he was mourning.

"Who are you?" Raj asked, "and why do you



imply as though stories may be real?". "I must not reveal my name to you. But I can tell you your stories can come to life", replied the stranger. The last bus of the day arrived and Akash nudged Raj, signaling they had to leave. Raj, intrigued to know more, told the stranger to meet him in the same place at the same time and quickly got onto the bus as he watched the stranger walk away. As Akash got onto the bus, he felt something weird. He looked back to see the stranger and quickly caught a glimpse of a similar cloaked figure, but with red eyes, following the stranger as the bus rode off. The next day Raj got a text saying "do not

come to the bus stand or you'll be next" from a strange unknown number. Even though he was a bit scared he still decided to go. But since he was scared to go alone he dragged Akash along with him. When they reached, they saw the stranger dead on the floor, and in front of him was a tall, cloaked figure who had a dagger in his hand and bright red eyes. He slowly turned towards Raj and Akash, pointing his sharp, bloody dagger at the stranger as he looked at Raj in the eyes and said "He tried to warn you-didn't he?"

*Harini Manikandan
VIII Indus*

A Glimpse of Kerala

We boarded the Guruvayur Express at 9:30 AM from Egmore Railway Station and set off to Trivandrum, Kerala. After 15 hours of playing cards and celebrating our friends Siddharth and Tharun's birthdays, we arrived at Trivandrum and headed to Goodland Residency. The next day, after breakfast, we visited the Natural History Museum, where I found the fossilized tree trunk and animal skeletons fascinating. I also noticed the distinct differences between bird species, including crows and gulls, and variations in goat horns and marine animals.

Next, we visited the Napier Museum, where the statues of Lord Vishnu, Nataraja, and others were captivating, but the repetition made it a bit tedious. Afterward, we went to the Zoological Park, where we saw bears,



lions, tigers, and rhinos in their natural habitats, and then visited the snake park with anacondas and king cobras. We ended the morning with a visit to the Padmanabhaswamy Temple, seeking blessings from Lord Vishnu.

The following day, we excitedly went to

watch the ISRO rocket launch, only to be disappointed by a faint spark. After enjoying a delicious Onam Sadhya lunch at Mothers Veg Plaza, we shopped for Kerala spices and handicrafts. Soon, it was time to head to Trivandrum Railway Station. Although we didn't explore everything, every moment of the trip was memorable, making it a perfect final school trip.

*Jayesh Sridar
XII (Batch 2024-25)*

Inventions– Air Ambulance

My idea of invention is more a need than a want. I want to invent an air ambulance because life is very precious and this invention can save many lives. Every day we see thousands of lives lost due to the delay in treatment.

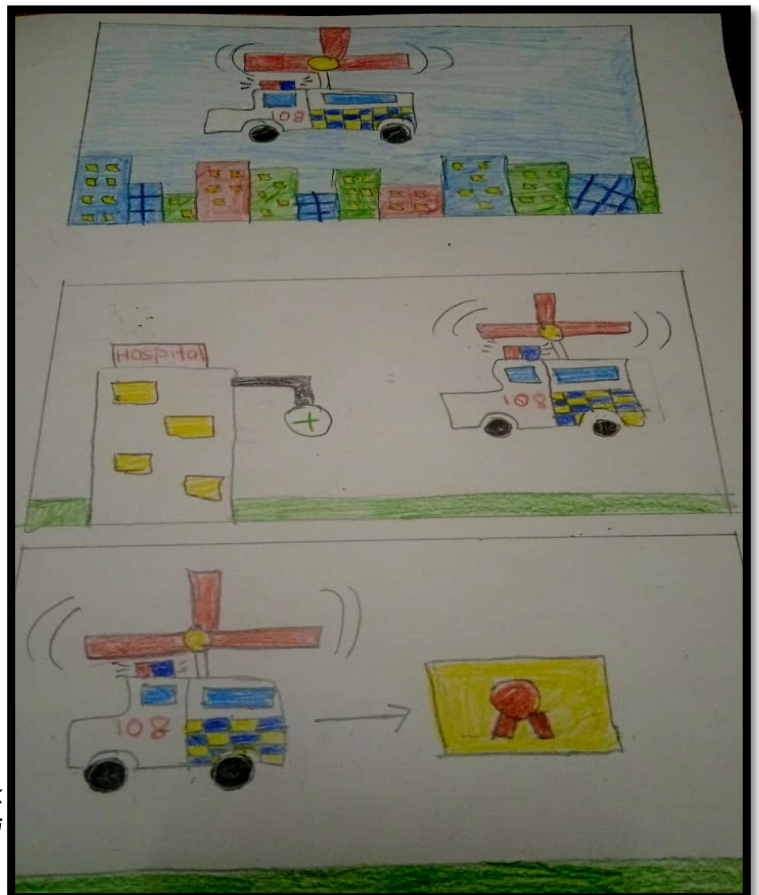
My air ambulance solves this problem. Thousands of lives can be saved everyday. One day I saw many vehicles waiting for the signal. In that crowd, I saw an ambulance waiting too. That led me to invent this.

The first might have only immediate needs like emergency kit etc. The next releases will have more features.

People might cheat and buy this, even if this has no medical use which is a problem to solve; so it is needed to have an approval from health ministry to purchase it. This method can solve the problem too.

Eagerly waiting to see this idea being built in reality.

*Mridula Deepak
VII Indravati*



DESIGN BOARD



Rajarajan A C XII (Batch 2024-25)



Aadhiraa - VI Pamba



Sanjay D (VIII Chambal 2024-25)



Hashvanthguru G S - VIII Chambal



Ashwath Sai - VI Bharatapuzha



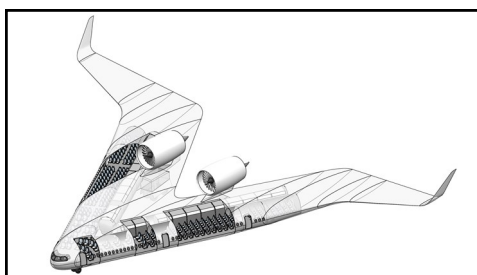
Iniyaa R - VI Bharatapuzha

Ignis Scientia—Flying V

The aviation industry contributes 2% of global CO emissions, with a rising environmental impact that is difficult to mitigate cost-effectively. Current solutions focus on fuel efficiency, weight reduction, and aerodynamic optimization, but many are expensive or technologically immature.

The Flying-V aircraft design significantly improves aerodynamic efficiency. Its blended wing-body structure reduces parasitic drag and allows for a more even lift distribution, leading to lower induced drag. The design enables a 20% reduction in fuel consumption compared to conventional aircraft. With engines mounted above the fuselage, noise pollution is also reduced.

Another key advancement is the use of Carbon Fiber Reinforced Polymers (CFRP) enhanced with Graphene-Based Materials (GRMs). CFRP-GNP (Graphene Nanoplatelets) increases tensile strength (10-40%) and



flexural strength (27.4%) while reducing weight by up to 20%. CFRP-GO (Graphene Oxide) enhances durability and moisture resistance for non-structural components, while CFRP-rGO (Reduced Graphene Oxide) improves electrical conductivity for smart systems and de-icing applications.

Engine efficiency improvements focus on increasing propulsive and thermal efficiency. Adding 0.075% Carbon Nanotubes (CNTs) to epoxy resins enhances thermal stability and energy absorption, allowing engines to withstand high energy loads more effectively. Increased storage and loss modulus im-

proves heat dissipation, making energy conversion more efficient. Eliminating nacelles further reduces weight, improving overall fuel economy.

Fuel innovations include Synthetic Paraffinic Kerosene (SPK), which delivers the same energy output with 68 grams less fuel per second. Over a year, this results in a 612-ton reduction in fuel weight for global aviation.

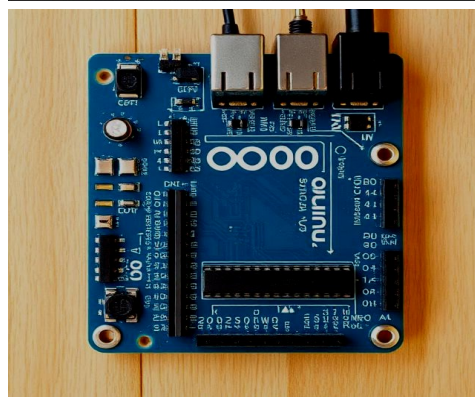
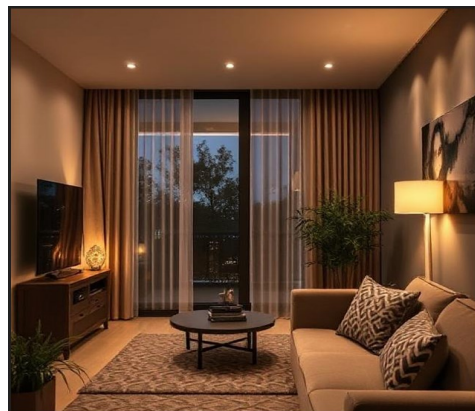
These advancements, integrated with the Flying-V's revolutionary aerodynamics, promise lighter, more fuel-efficient, and environmentally sustainable aviation.

*Sarang D Rajgopal,
Shyam KS, Sreenithi V
XI Kamet*

Home Automation

My project focused on home automation, enabling control of an LED light using sound and touch. The idea originated from my English teacher's suggestion, which interested me and sparked my interest. Initially, I faced difficulties finding the necessary materials, because the materials which were required for the projects weren't locally available. This delayed progress. Eventually, a peer of mine recommended a shop near VIT Chennai, where I got the materials and received guidance on the connections.

The process involved using jumper wires, an OTG cable, an Arduino board, an LED bulb, a resistor, an adapter, and a sound sensor to detect vibrations. I referred to basic C++ coding from AI (Artificial Intelligence) to program the Arduino chip, which



controlled the sensor and LED.

The sound sensor worked by detecting vibrations; a clap turned the LED on, and another clap turned it off. On project day, when the model functioned perfectly, I was over the moon. The appreciation I received from my parents made me happy and I decided to do many Arduino based projects in the upcoming years and to explore the wonders that can be done by learning coding.

*Pranavakumar.S
IX Ganga*

Interschool Competitions



Anna and the Painting

Anna was a good artist. She also loved to collect paintings and hang them in her house. She always went to the antique shop near her to buy these paintings but this time was different.

Anna saw an old painting ; a portrait of an old lady. She kind of liked it, no, she LOVED it. She asked the vendor the painting's price. The vendor warned her, "Do not buy this painting, it is cursed. She questioned him, "Then why do you have it?" He replied, "It just appears back no matter who takes it." She ignored him, "Wow! I would surely love a teleporting painting. She just left money in the counter and left. As soon as she reached home, she hung it in her room. As she spent the whole day at work she wanted to rest and lied down on the bed. She looked at the painting.

The woman blinked. She just ignored and thought she was hallucinating. But no, she wasn't. The painting smiled at her. It spoke, "Anna, come to me." It sent a chill down her spine. Now she felt an urge to touch it. Her instincts took over. She could not control her body. She touched it and the painting sucked her soul. It laughed while Anna fainted. Fortunately her mother was there. She took Anna to the hospital and the painting reappeared in the shop.

*Tarun Kasirajan K D
VIII Indus*



Haikus

- Rise up every time
You fall down
Just like the trees
- Be like the beak
Of a bird to cut
Through negativity
- Over the winter
The forest wind howls
Without leaves
- When depression sets in
pets drift us
away as kin

Kathula Aaradhya
VII Bhima

- My parents work hard
When life shuffles them
Still they're there
Whenever I need them
If I'm not blessed
Who is?
- Once a tree held me up
Taking all my sorrows
Now it's gone
And the place it once stood
Is now a hole in my heart.

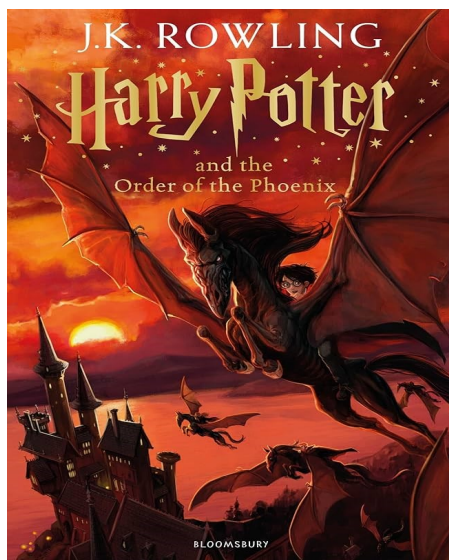
Samiksha
VII Bhima

HARRY POTTER: The Order of Phoenix

In "Harry Potter and the Order of Phoenix," the fifth book of the Harry Potter series, things get more serious as Harry enters his fifth year at Hogwarts School. Written by J.K. Rowling, this story shows us a fifteen-year-old Harry dealing with two big problems: the evil Lord Voldemort is back, but the wizarding government body refuses to believe him.

The story takes us through an interesting year at Hogwarts, where Harry faces many challenges. A new teacher named Professor Umbridge comes to the school and makes everyone's life difficult with her strict rules. She won't let students learn proper magic, so Harry and his friends create a secret group called "Dumbledore's Army" to practice spells on their own. Throughout the book, Harry also deals with strange dreams and tries to figure out why he keeps seeing visions in his head.

I think this is one of the most relatable books in the series because it shows how Harry deals with real



problems that many teenagers face - like not being believed by adults and feeling a mix of emotions (anger and loneliness) sometimes. The book does a great job of mixing magic and adventure with every-

day school problems. While it's a longer book than the earlier ones, the story keeps you interested with exciting moments and surprising twists.

I would definitely recommend this book to anyone who has read the first four Harry Potter books. While it's darker and more serious than the earlier books, it's still full of magic, friendship, and adventure. Just remember to read the other books first - starting with this one would be like jumping into the middle of a story and not knowing head or tail about it. If you enjoy stories about standing up for what's right, the power of friendship and of course a fantasy world full of magic, mayhem and mystery you'll love this book.

Anvesha Viswanathan
(VIII 2024-25)

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CULTURE & HERITAGE

Festival Celebrations 2025-2026

Guru Purnima Celebrations—Class XII



Onam Celebrations—Class XI



Manthan Events 2025-2026

Independence Day



Ratnagiriswarar Temple Program

