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ENGINEERING AND TECHNOLOGY**
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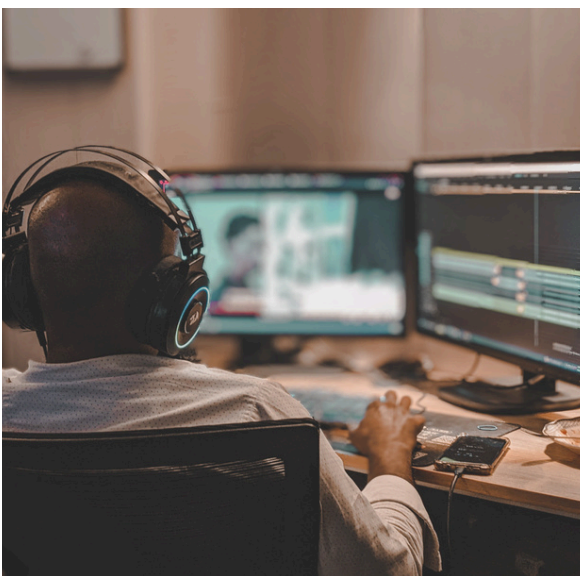
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FROM THE EDITOR'S DESK



On behalf of the Velammal EEE department, We would like to wish all authors, patrons, and readers a wonderful and prosperous year ahead. When a thought that has been enduring in mind becomes true, it is truly an interesting and exciting experience. This new assignment of ours as editors is one such cherished work that we would fulfill to the best of our attributes. We need the support of all students and the faculty. So sit back and enjoy browsing through the magazine.

Happy reading folks!



BHARATH RANJAN.R
|| EEE

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VISION

*To Produce quality Electrical Engineers for
industry and good citizens
for society through excellence in technical
education and research*

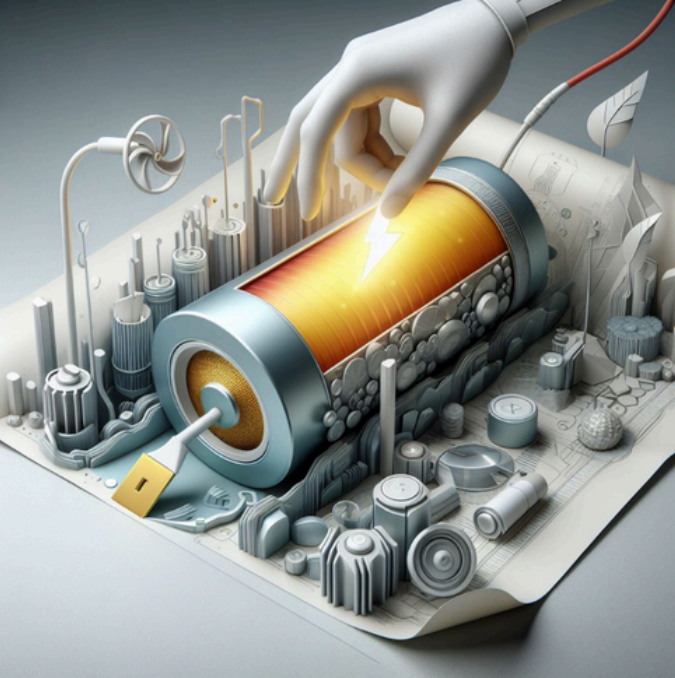




MISSION

- *To empower graduates with sophisticated knowledge and technical skills*
- *To explore, create and develop innovations in Electrical Engineering and Technology*
- *To provide beneficial service to the rural, state, national and international communities*





PAPER BATTERIES: UNVEILING THE POWER WITHIN

In the realm of innovative energy solutions, the paper battery stands as a testament to human ingenuity and the drive towards sustainability. This unassuming yet powerful creation merges the traditional concept of a battery with the eco-friendly properties of paper, opening up a world of possibilities across various industries. At its core, a paper battery consists of cellulose fibers infused with carbon nanotubes or conductive polymers, serving as electrodes, and a separator soaked in an electrolyte solution. This simplistic design belies its potential, offering a lightweight, flexible, and biodegradable alternative to conventional batteries.

One of the most promising applications of paper batteries lies in the realm of wearable technology. With the rise of smartwatches, fitness trackers, and other portable gadgets, the demand for compact and long-lasting power sources has never been greater. Paper batteries, with their flexibility and low environmental impact, offer a viable solution to this growing need, powering devices comfortably nestled against the skin without sacrificing comfort or convenience.

Dr. APJ Abdul Kalam, the visionary scientist and former President of India, once remarked, "Creativity is seeing the same thing but thinking differently." This sentiment resonates profoundly with the essence of the paper battery – a testament to the power of innovative thinking in reshaping our technological landscape. Furthermore, the automotive industry stands to benefit from the advent of paper batteries. Electric vehicles, in particular, could leverage the lightweight nature of paper batteries to enhance efficiency and extend driving range.

Imagine a future where cars are not only powered by clean energy but also utilize sustainable, biodegradable batteries, reducing their environmental footprint even further. Dr. C. N. R. Rao, the eminent Indian chemist, once remarked, "Innovation is the key to unlocking India's potential in the global arena." Indeed, the paper battery represents a beacon of innovation, showcasing India's prowess on the world stage of technological advancement. In the medical field, paper batteries hold immense promise for powering implantable devices and medical sensors. The biocompatible nature of paper ensures compatibility with the human body, minimizing the risk of rejection or adverse reactions.



This opens up new avenues for medical innovation, allowing for the development of advanced monitoring systems and therapeutic devices that seamlessly integrate with the patient's physiology. Looking ahead, the future of paper batteries appears bright and full of potential. As researchers continue to refine the manufacturing processes and explore new materials, we can expect to see further improvements in performance, energy density, and cost-effectiveness. From powering the next generation of wearable technology to revolutionizing transportation and healthcare, the versatility of paper batteries ensures that their impact will be felt across a wide range of industries.

In conclusion, the paper battery stands as a testament to human ingenuity and the boundless possibilities of scientific exploration. Its applications are as diverse as the imagination allows, offering glimpses into a future where sustainability and efficiency converge seamlessly. As we continue to push the boundaries of innovation, let us heed the words of Indian scientists like Dr. APJ Abdul Kalam and Dr. C. N. R. Rao, embracing creativity and innovation as the driving forces of progress. In the journey towards a brighter tomorrow, the paper battery illuminates the path forward, beckoning us to embrace the power within.

**-SRI DHARSHINI. R
II YEAR EEE**

Harvest what you sow and grow

The life we live is also similar to farmland where we sow ideas deep inside the heart and start executing each and every move to harvest the final results just like how farmer do so with seeds .The basic steps which I followed to get self disciplined individual regardless of me standing in an unsatisfied place where i wished i should not be earlier. But anyways now I feel that I am getting a better zone by following these ,hope those who read finds it useful

Find your seed : Each and every individual born to be unique and you need to find a way for yourself .There are "n" number of opportunity in the world just try to get your comfortable seed and sow deep in the mind of your farmland.

Nourish and water : Once you get your seed , take your time to manifest or imagine how beautiful it would be once it grows out into a plant and blossoms with plenty of flowers. I describe these flowers as the remarks of your success and fulfilling your dreams. Nourishing and watering your seed without the influence of an external environment plays a vital role. To grow a seed into a complete plant this part plays a vital role. Nourish your seed by your courage and hope but water it only with your hard work and perseverance

Remove weeds : Here weeds refer to the narrow minded people referring to you as a failure and demotivating you in each and every move . I don't say you need to remove weeds completely from your farm. But you can act to be in a parasitic relationship with them, yeah these people get your negatives easily. This makes you analyze your shortcomings . Now you will be able to see two sides and stand on .

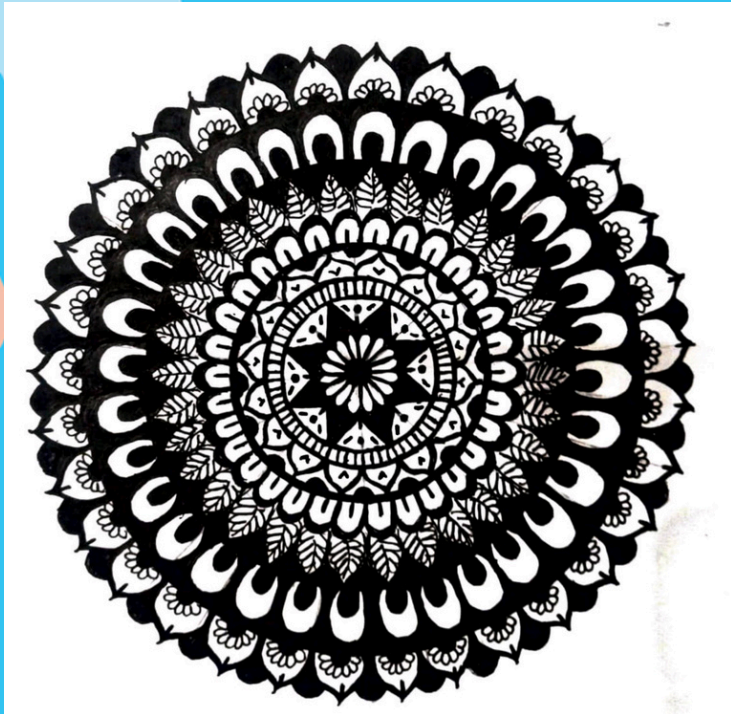
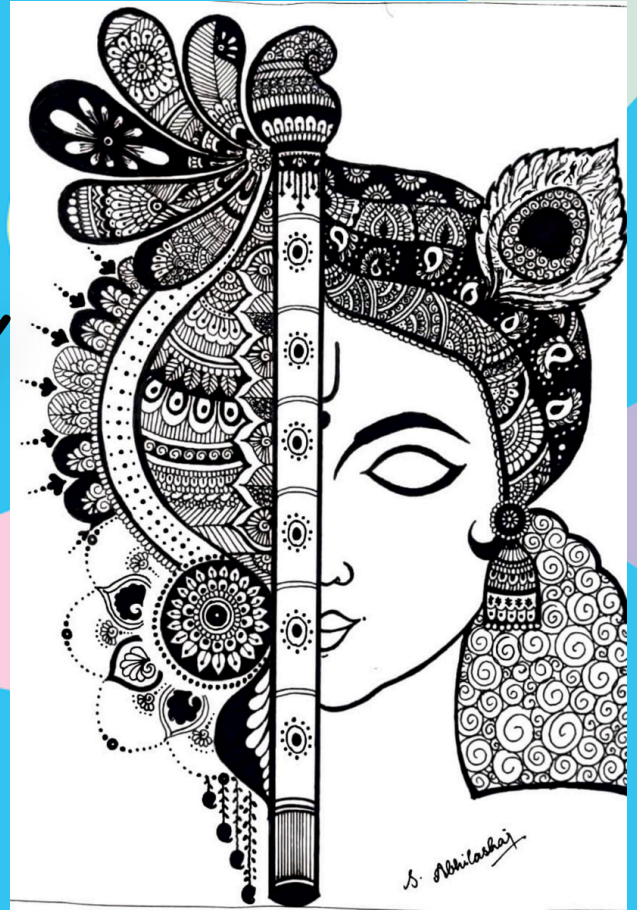
Sprinkle nutrients: Now this becomes the most vital part of your journey, this can be done only by you in the form of self motivation, self talks and being optimistic . Sprinkling joy and happiness into your seed with help of your achievement towards a short term goal may boost you a lot.

Wait and harvest : One fine day your seed will be a plant and be filled with flowers of success but the major key is you need to wait and trust the progress.

Hope , best awaits

**- T. G. MANU SHREE
III YEAR EEE**

Sketch Work



- ABHILASHA. S
II YEAR EEE

மற்றொரு நாள்!

யாருக்கு எப்படியோ தெரியவில்லை,
சற்று சலிப்பாகத்தான் இருக்கிறது.
திங்கட்கிழமையின் அதிகாலை!

ஏக்கம் நிறைந்த கனவுகளுடன்
தூக்கம் கலைகிறது!

தண்ணீர் அதிகம் கூடிய தேநீர்,
இருகிப் போன இட்டலி,
காரம் அதிகம் கூடிய சட்டினி ...

காக்கா குழியல்,
களைந்த தலையுடன்,
அவசரமாய் அலுவலகம் செல்ல அவதிப்பட்டுக்
கொண்டிருபேன்..

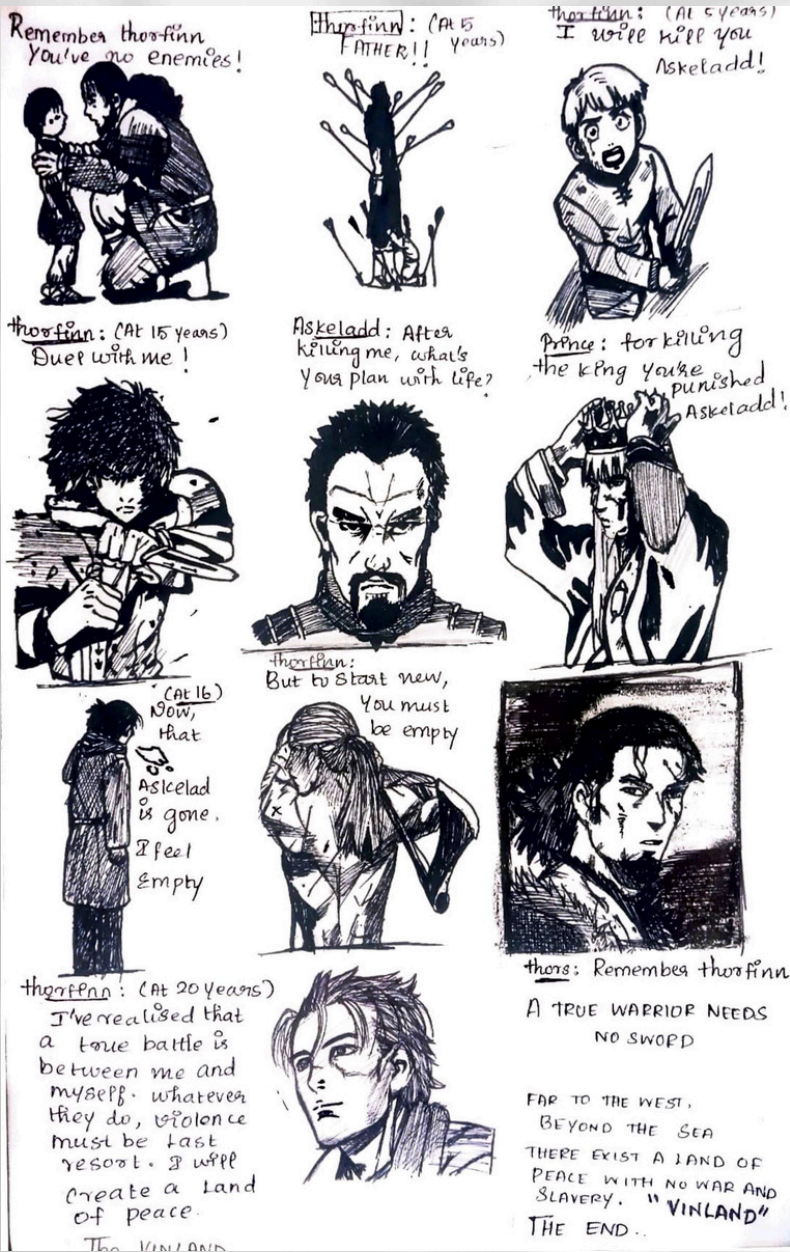
உப்பு சப்பற்ற வேலையய்
உற்சாகமாய் பார்ப்பது போல்
உடன் உள்ளவர்களுடன்
உலாவிக்கோடிருபேன்...

மதிய உணவு,
பெரிதாக ஒன்றுமில்லை. அலுவலகத்தின் அருகில்
உள்ள அம்மா உணவக்கத்தில் கழிகிறது.....

இவ்வளவுக்குப் பிறகும்.
பயனற்ற கனவுடனும்,
இளையராஜா இசையுடனும், மீண்டும்
தொடங்குகிறது!

"மற்றொரு நாள்".

- HARISH. S
II YEAR EEE



Art Work

- AKSHAYA PRABHA. P
II YEAR EEE

- RAKSHITHA. S
I YEAR EEE



A D U L T H O O D

Just a moment ago u i saw u clear and predictable
But... Now you look so dark !!!uncertainty
Swirling in those deep sombers
Awaiting a thunderstorm
Is that a sign haaa!!!! I wonder
Yet u remind me of a moment
A moment of unreliability
Would I ever lean on you ?
Will I ever be enough?
All these what ifs making a hellish mess of me
Is this the perspective of life I've been wanting to see??
Is this what adulthood is about!!!

**- AKILA. S
II YEAR EEE**



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