



Estd. 2001

VIVEKANANDHA COLLEGE OF ENGINEERING FOR WOMEN

(An Autonomous Institution, Approved by AICTE - New Delhi, Affiliated to Anna University and Accredited by NAAC and NBA (CSE,EEE,IT and Bio tech.)
Elayampalayam - 637 205, Tiruchengode, Namakkal Dt.



Prof. Dr. M. KARUNANITHI
Chairman & Secretary



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DEPARTMENT
OF EEE



VISION OF THE INSTITUTION

To impart value based education in Engineering and Technology to empower young women to meet the societal exigency with a global outlook.

MISSION OF THE INSTITUTION

- To provide holistic education through innovative teaching-learning practices
- To instill self confidence among rural students by supplementing with co-curricular and extra-curricular activities
- To inculcate the spirit of innovation through training, research and development
- To provide industrial exposure to meet the global challenges
- To create an environment for continual progress through life-long learning

VISION OF THE DEPARTMENT

Electrical and Electronics Engineering Department is to be a center of excellence in technical education and research by producing world-class graduates to meet future challenges of the country.

MISSION OF THE DEPARTMENT

- ✧ To impart quality education to our students and provide a comprehensive understanding of Electrical & Electronics Engineering and produce a new generation of knowledgeable, skilled, innovative engineers.
- ✧ To stabilize the students to understand the responsibility as an engineer who prove to be good citizens having concern for society, environment and ethical issues.
- ✧ To evolve the student community to adapt appropriate sustainable technologies through remarkable contribution for rural needs.

Short story

“மின்சார மாணவன் - A Day in the Life of an Electrical Engineer”— a realistic, funny, and emotional slice of life about an Electrical Engineering student’s journey.

மின்சார மாணவன் - The Life of an Electrical Engineer அவன் பெயர் ஆதித்யா. அவனுக்கு மின்சாரம் என்றால் ஒரு பாடமல்ல - ஒரு உணர்ச்சி. 12th முடிந்து கல்லூரி சேரும் போது, எல்லா நண்பர்களும் “CSE”, “ECE” என்று போனார்கள். ஆதித்யா மட்டும் சொன்னான் - “நான் மின்சாரத்தோட வாழ்க்கை வாழணும்!” அப்போ எல்லாரும் சிரிச்சாங்க. “மின்சாரம் அடிச்சா தான் புரியும்,” ன்னு ஆனா அவன் மனசு வலிமை. அந்த நாளிலிருந்து அவன் வாழ்க்கை வோல்டேஜ் வேற லெவல்! காலையிலிருந்து கம்பிகள் வரை கல்லூரி பேருந்து வந்ததும், ஒரு கைலில் லேப் ரெக்கார்ட், இன்னொரு கைலில் bread jam. பேருந்தில் எல்லோரும் பாடங்கள் repeat பண்ணிக்கிட்டே இருப்பாங்க. ஆதித்யா மட்டும் Resistor படத்தை பார்த்து “நீயும் நானும் parallel connection பண்ணிட்டோமா?” ன்னு ஜோக் அடிப்பான். கிளாஸில் ஆசிரியை மின்சார சக்தி பற்றி சொல்வார். “Energy can neither be created nor destroyed...” அந்த நேரம் ஆதித்யா தன் last night studies-ஐ நினைத்து, “ஆமா, என் sleep energy மட்டும் destroy ஆகுது!” ன்னு மனசுல சொல்வான். லேப் அனுபவம் - ஸ்பார்க் லைட். Electrical Machines Lab - அந்த பெயர் கேட்டாலே மாணவர்கள் பாதி tension, பாதி excitement! ஒரு நாள் connection போட்டுக்கிட்டிருந்தபோது, ஆதித்யா switch on பண்ணியதும் SPARK! “சர்! சர்! புகை வந்துடுச்சு!” என்று ஓடி வந்தான். சர் அமைதியாக சொன்னார் - “பரவாயில்லை... spark வந்தா தான் engineer ஆவானும்.” அந்த வார்த்தை அவன் மனசுல ஒலித்துக்கொண்டே இருந்தது. அவன் உணர்ந்தான் - தோல்வி கூட ஒரு current தான், சரியான wire கிடைத்தா தான் light வரும். Viva வின் விசாரணை

Semester viva day : Staff கேட்டார்: “What is the difference between AC and DC?” அவன் சிறிது யோசித்து சொன்னான்: “AC changes direction, DC goes straight - like my marks and my crush, sir.” Staff சிரித்தார். “Pass pannala na, current cut pannuva!” ன்னு warning. ஆனா அந்த ஜோக்குக்காக முழு class clap அடிச்சது. நண்பர்கள், டீ கடை, கணவுகள் Evenings in Electrical Dept are special. பேட்டரி மாதிரி சோர்ந்த மாணவர்கள் டீ கடையில் recharge ஆகுவார்கள். “Next exam la எங்க diagram எடுக்குறது?” “Lab record 10 pages short!” “Internship illa bro!” என்று சொல்லிக்கொண்டே டீ, பஜ்ஜி, ஜாலி! அவங்க பேசுவது எல்லாமே குறைச்சல் போல தோன்றினாலும், அந்த conversations தான் உண்மையில் “connection” - friendship, motivation, unity எல்லாம் அதில்தான்.

Graduation Day நான்கு வருடங்கள் கழித்து, ஆதித்யா stage-ல் degree வாங்கும்போது, அவனுக்கு மின்சாரம் போல ஒரு சலனம். கண்களில் நீர், மனசில் current. அவனுக்கு புரிந்தது - Engineering என்பது பக்கத்தில் எழுதும் theory இல்ல, வாழ்க்கையில் ஏற்படும் practicals தான். வாழ்க்கை முழுக்க failures வரும், short circuits வரும், ஆனா circuit மீண்டும் close பண்ணினா current flow ஆகும். அப்படித்தான் electrical student-ன் வாழ்க்கை - சில சமயம் low voltage, சில சமயம் overload, ஆனா current நின்று போகாது. முடிவு இன்று அவன் ஒரு successful engineer. எப்போதாவது transformer-ஐப் பார்த்தாலும், அவனுக்கு நினைவு வரும் - “ஒரு நாள் இதுக்கு முன்னாடி நான் பயந்தேன். இப்போ இதே மின்சாரம் என் வாழ்க்கை வழி காட்டுது.” அவன் சிரிக்கிறான். மின்சாரம் போலவே - அவன் வாழ்க்கையும் ஒளிர்கிறது. வாழ்க்கை பாடம்: “வோல்டேஜ் எவ்வளவு இருந்தாலும், நம் earth connection நம்ம உள்ளத்தோட இருக்கு என்றால் - நம்ம circuit safe தான்.”

- SANJANA MONA SAKTHI M
IV EEE



Short story

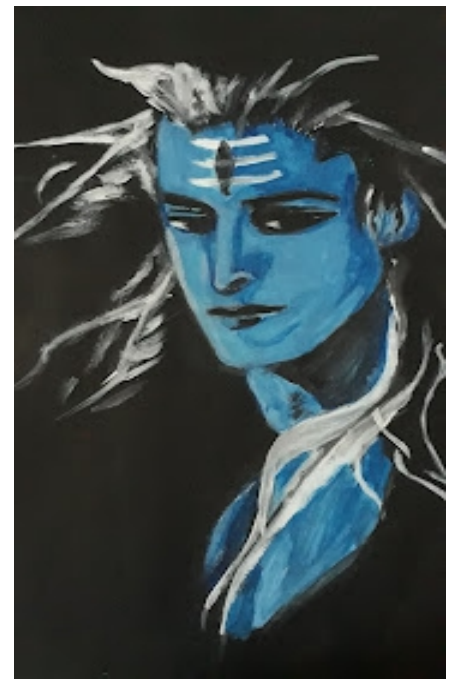
As an Electrical Engineering student, I often imagine the future of India's power generation landscape. The way our country is transforming its energy systems today gives me immense optimism about a cleaner, smarter, and more sustainable tomorrow. India's energy sector is at a turning point. With the growing demand for electricity driven by population growth, industrial expansion, and rapid urbanization, traditional fossil-fuel-based power generation is slowly giving way to renewable sources. Solar and wind energy are leading this transformation. Large-scale solar parks in Rajasthan and Gujarat, offshore wind farms along the coasts, and rooftop solar systems in urban areas are changing the way we think about electricity generation. As a student, what excites me most is the integration of technology with energy—the rise of smart grids, AI-based load forecasting, and battery storage systems that make power systems more efficient and reliable. The concept of green hydrogen and waste-to-energy plants are also emerging as major contributors to the future power mix. In the years to come, I envision India achieving true energy independence where every village is electrified through decentralized microgrids, and cities are powered by sustainable, locally produced energy. Engineers like us will play a key role in designing systems that are not only efficient but also environmentally responsible. The future of power generation in India, in my view, will not just be about producing electricity; it will be about creating balance between development and sustainability. It is an inspiring time to be an electrical engineering student, witnessing and preparing to contribute to the nation's journey toward a brighter, cleaner, and self-reliant energy future.

S. Sujeetha, II EEE

As a student of Electrical Engineering, I believe that the true progress of a nation lies in providing clean, affordable, and reliable power to every citizen. Electricity is no longer just a utility; it is the foundation for education, healthcare, industry, and technology. Ensuring that power is both sustainable and accessible is one of the greatest challenges and responsibilities of our generation. Today, the world is moving towards renewable energy sources such as solar, wind, hydro, and biomass, which promise clean power with minimal environmental impact. India, being a tropical country, has immense potential in solar energy. From large solar farms to rooftop panels on schools and homes, solar power is becoming a practical and affordable solution. Similarly, wind energy in coastal and hilly regions adds to our renewable capacity. As a student, I am inspired by how technology is revolutionizing this sector. Smart grids, AI-based demand forecasting, efficient storage systems, and electric mobility are shaping a more resilient and intelligent energy ecosystem. These innovations make power not only cleaner but also more affordable and accessible to all. In rural India, microgrids and decentralized renewable systems are lighting up homes that once lived in darkness. For me, this represents the real meaning of development—when every student can study under a light powered by clean energy. The journey toward clean and affordable power is not easy, but it is essential. As future engineers, we have a duty to innovate, design, and promote technologies that respect nature while empowering people. The future I dream of is one where every watt of energy is pure, purposeful, and within everyone's reach—a future powered by sustainability, equality, and hope.

Noortaj S, II EEE

Art Work by Students



- S. NARTHANI, III EEE

Origami Work by Students



- S U PUNITHA KUMARI, IV EEE

*"Money and Mind"***Money : the shining illusion of life,**

The golden thread that ties our strife, It builds our homes, it breaks our peace, It fuels desire, yet love may cease. The mind, so calm when left unbound, Loses itself when wealth is found. In the race for gain, it runs so far, Forgetting who we truly are.

We count our coins, we measure our worth, But forget the joy that gave us birth. The sound of laughter, the warmth of care, Are treasures rare beyond compare.

Money can buy the softest bed, But never peace for a weary head. It buys applause, not inner pride, A mansion vast but empty inside. Yet, money isn't evil, nor wrong to earn, It's how we use it, how we learn. For in wise hands, it turns to light, Feeding the poor, making futures bright. The mind must rule, not bow to gold, Let wisdom speak, let greed grow cold. When heart and wealth in balance stay, True happiness will find its way. Oh mind, be gentle, yet strong and clear, Let kindness be the coin you hold dear. For when the soul is rich and free, You've earned the wealth of eternity.

The Day After Tomorrow

The day after tomorrow a phrase soft as a promise, yet heavy with dreams unfulfilled. It waits beyond the ticking clock, beyond the weight of our plans and fears, beyond the noise of "today." Today is filled with worry, Tomorrow with preparation but the day after tomorrow? That's where hope quietly breathes. It's the day when broken hearts will heal, when answers will arrive like dawn, when tears will turn into lessons, and mistakes into wisdom. The day after tomorrow, the student becomes the teacher, the failure becomes a fighter, and the silence becomes a song. It's the day when we finally pause, to see how far we've come, and whisper to ourselves, "I made it through." The world may change its color, Skies may wear new shades, But faith that small flickering light will still burn quietly inside us. The day after tomorrow, machines may dream, cities may float, and minds may merge with stars yet one thing will stay the same: our longing to love, our wish to be remembered. So when darkness touches your heart tonight, and tomorrow feels far, close your eyes and smile for the day after tomorrow is already being born in the courage you show today.

PHOTOGRAPHY



PRIYADHARSHINI N



SANJANA MONA SAKTHI M



POMMINIROSE K

VIVEKANANDHA EDUCATIONAL INSTITUTIONS



"Vidhya Rathna"

Prof. Dr. M. KARUNANITHI, B.Pharm., M.S., Ph.D., D.Litt.,
Chairman & Secretary

TIRUCHENGODE CAMPUS

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Tiruchengode - 637 205, Namakkal Dt., Tamil Nadu.

Sankagiri - 637 303, Salem Dt., Tamil Nadu.

Mobile : 94437 34670, 99655 34670, 94425 34564, 97888 54417

Website : www.vivekanandha.ac.in

Email : vivekaadmission@gmail.com

