

FR.CONCEICAO RODRIGUES COLLEGE OF ENGINEERING  
PRESENTS



# ASTITVA

"Celebrating 40 Years of Excellence:  
A Legacy of Learning and  
Achievement"

FRAGMAG 2025



# *About Astitva*

**In a world that constantly evolves, "Astitva" (अस्तित्व) stands as a reminder of our identity, purpose, and existence. It is the essence of who we are, shaped by our experiences, aspirations, and the challenges we overcome. As students, engineers, and innovators, we continuously redefine our Astitva—navigating through knowledge, technology, and self-discovery. This year's edition of Fragma delves into the many dimensions of existence—personal, cultural, technological, and environmental—exploring how we leave our mark on the world. Through stories, insights, and creative expressions, we celebrate the journey of finding oneself and the impact we create in shaping the future.**



# अस्तित्व हमारी पहचान

हमारे शब्द, हमारी आवाज़,  
खुद की खोज, खुद से राज़।  
कागज़ के पन्नों पर बिखरी कहानी,  
हर लफ़्ज़ में बसी एक नई निशानी।  
कलम चलती, तो विचार जागते,  
ख्वाबों के दीप हवा संग झूमते।  
तकनीक से बढ़ते, जड़ों से जुड़े,  
नए दौर में भी अपनी पहचान रचे।  
शिक्षा, नवाचार, उम्मीद की ज्योति,  
युवा के हौसले से रोशन ये ज्योति।  
संघर्ष की राहों से चलकर आए,  
अपने अस्तित्व को फिर से जगाए।



# *Astitva*

## *The power of being you.*

**"The only way to do great work is to love what you do." – Steve Jobs**

**"Be yourself; everyone else is already taken." – Oscar Wilde**

**"Do not go where the path may lead, go instead where there is no path and leave a trail." – Ralph Waldo Emerson**

**"Knowing yourself is the beginning of all wisdom." – Aristotle**

**"He who has a why to live can bear almost any how." – Friedrich Nietzsche**

**"You must be the change you wish to see in the world." – Mahatma Gandhi**

**"In the middle of difficulty lies opportunity." – Albert Einstein**

**"The privilege of a lifetime is to become who you truly are." – Carl Jung**

**"Define yourself in your own terms." – Sheryl Sandberg**



# *Director's Desk*



**My Land and My People! It is all that matters.” This vision of Fr. Conceicao Rodrigues was the driving force that led him to establish the Fr. Conceicao Rodrigues College of Engineering, way back in 1984, in Bandstand – Bandra. The autonomous institution, affiliated to the University of Mumbai with NAAC accredited grade A, celebrates 40 years (1984-2024) of excellence.**

**During the four decades, Fr. CRCE has carved a niche to be one of the top engineering colleges of India, producing fully trained engineers and technicians in the service of the nation.**

**The institute dedicates itself to transforming engineering education through its unique approach to continuous advancements in technology and holistic development since the last 40 years.**

**Among several awards, Fr. Conceicao Rodrigues College of Engineering has been awarded the Industry Academia Community Excellence Award, from among 4000 colleges from over 30 countries.**

**In keeping with the vision of the founder, “We have to create a world where every underprivileged child has an equal opportunity to education and to do well in life.” The institute also reaches out to needy and deserving students.**

**In a rapidly evolving world, we all have to discover ourselves. Astitva helps us find our unique identity and the true purpose of our existence. It is a journey about finding oneself. Everybody is called to be a somebody in life, by giving wings to one’s dreams and aspirations. It is about finding our own being and creating an indelible impression in the world.**

**Astitva helps us gain recognition for our skills. Astitva captures the essence of our being, for something that comes into being, begins to exist and makes a mark in life. Thousands of students have found their Astitva and are doing exceedingly well in life, around the world.**

**We have to be thankful for Astitva or the gift of existence. We can make the most out of our lives. Our college provides the foundation for all-round growth where the sky is the limit.**

**Stay committed. Be blessed. Let Astitva unfold.**

**– Fr. Valerian D’Souza**



# *Asst. Director's Desk*



In the relentless rhythm of engineering life, where deadlines dictate our days and success is often measured by grades and placements, we seldom pause to reflect on a deeper question: Who am I? Amidst the whirlwind of assignments, lab reports, and sleepless coding marathons, the concept of Astitva—our identity, our very existence—often fades into the background.

Astitva is more than simply being present; it is about being aware, about belonging not just to a campus or a course, but to a purpose. In a world increasingly defined by machines and algorithms, discovering one's own identity becomes both a rebellion and a necessity. Our marksheets may reflect what we know, but they can never capture who we are. That lies in our passions, in our values, in the small choices we make when no one is watching.

Engineering not only teaches us to build bridges, solve problems, and think logically, it also silently shapes our resilience, our ability to work under pressure, our capacity to collaborate, and inspire strength to stand back up after failure. These experiences—raw, personal, and often unseen—contribute far more to our Astitva than any external recognition ever could.

In lecture halls, filled with hundreds of students, it's easy to feel like just another face in the crowd. Yet, what sets us apart is not our CGPA, but the unique way we think, feel, and create. Some find their identity in code, others in design, some in ideas that challenge the status quo, and others in gestures that unite a team. There is no fixed template for who we must become. That, perhaps, is the beauty of Astitva—it is constantly evolving.

As we chase internships, research papers, and campus placements, it's worth remembering that we are not just here to earn a degree; we are here to discover ourselves. To test not only our technical skills but also our character. To design not just machines, but a life of meaning.

Because in the end, it's not just about what you built, it's about who you became while building it. That is the true essence of Astitva.

-Rev. FR. Treavor Pereira



# Principal's Desk



The Bhagavad Gita offers profound insights into the concept of Astitva — one's true existence or being. While the word "Astitva" may not appear explicitly in the Sanskrit verses, its essence is deeply woven throughout the text, especially in the teachings of Lord Krishna to Arjuna about the nature of the self (Atman), duty (Dharma), and detachment (Vairagya). In the battlefield of Kurukshetra, amidst the thunder of conch shells and the clamor of war, Arjuna stood paralyzed by doubt. Torn between kinship and duty, he questioned the very purpose of his existence.

Lord Krishna, his charioteer and divine guide, did not merely urge him to fight, but awakened him to a greater truth — the truth of his Astitva.

“नासतो विद्यते भावो नाभावो विद्यते सतः।

उभयोरपि दृष्टोऽन्तस्त्वनयोस्तत्त्वदर्शिभिः॥” (Bhagavad Gita 2.16)

"That which is unreal never is; that which is real never ceases to be. The seers of the truth have concluded the same about both."

Krishna revealed that Arjuna's essence — his soul — is eternal, beyond birth and death, untouched by the transient roles he plays in the world.

“देहिनोऽस्मिन्यथा देहे कौमारं यौवनं जरा।

तथा देहान्तरप्राप्तिर्धीरस्तत्र न मुह्यति॥” (Bhagavad Gita 2.13)

"Just as the boyhood, youth, and old age come to the embodied soul in this body, in the same manner, is the attaining of another body; the wise man is not deluded by this."

Your Astitva, Krishna says, is not defined by your body, name, status, or even your relationships. These are merely layers of illusion, veils that hide the radiant truth of your inner self. To live in awareness of your Astitva is to act not out of fear or attachment, but with wisdom, equanimity, and a sense of divine purpose.

“कर्मण्येवाधिकारस्ते मा फलेषु कदाचन।

मा कर्मफलहेतुर्भूर्मा ते सङ्गोऽस्त्वकर्मणि॥” (Bhagavad Gita 2.47)

"You have the right to perform your actions, but not to the fruits of your actions. Do not let the fruits be your motive, nor let your attachment be to inaction."

Krishna's teaching is simple yet transformative — recognize your eternal self, align with your Swadharma (personal duty), and act with devotion, not desire.

When you understand your Astitva, you become fearless, grounded, and free — for nothing in this world can shake the one who knows who they truly are.

In a big, beautiful forest near a sparkling lake lived a little turtle named Tara. Tara was slow, quiet, and often liked to just sit and watch the sky. One day, she saw the birds flying fast above her. The squirrels were leaping from tree to tree. Even the rabbits were racing across the grass.

Tara sighed. "I'm not fast like them. I'm not exciting. What's so special about me?" She started feeling sad. "Do I even matter?" she whispered.

Just then, dark clouds rolled in. Thunder roared. All the animals ran in different directions, trying to find shelter. But little Tara stayed calm. She slowly walked to the center of the forest and, with her strong shell, became like a little hut. A baby bird, a butterfly with wet wings, and a shivering squirrel all came and huddled beside her. Tara smiled. She didn't fly. She didn't jump. But she had something the others didn't — a steady heart and a safe shell. When the storm passed, all the animals thanked her. One of them asked, "Tara, how were you so calm?"

She replied softly, "Because I know who I am. I may be slow, but I'm strong where it counts. That's my gift."

You don't need to be like everyone else. Your Astitva — your true self — is your strength. Be proud of it, and you'll shine in your own special way.

-Dr. Surendra Singh Rathore



# *Teacher Incharge's Desk*

Whenever I hear the iconic 90s patriotic song "Yeh Duniya Ek Dulhan..." from the film Pardes, I am filled with a deep sense of pride. The lyrics, penned by Anand Bakshi and beautifully rendered by Kavita Krishnamurthy, Shankar Mahadevan, Hariharan, and others, depict India as a radiant bride—symbolizing our cultural richness, unity in diversity, and timeless beauty. Though sung over two decades ago, its message remains etched in every Indian heart.

India has always stood apart as a land of extraordinary contrasts and deep heritage. From the snow-capped peaks of Kashmir to the lush backwaters of Kerala, every state tells a unique story. Think of the Golden Punjab, Royal Rajasthan, Spiritual Uttarakhand, Bustling Maharashtra, and Verdant Kerala—each region not just geographically distinct but culturally vibrant.

In today's fast-globalizing world, India finds itself balancing tradition and modernity. While we stride forward with technological progress and global influence, our cultural roots continue to thrive. It's heartening to see Sanskrit shlokas being taught in schools in countries like the UK and Mauritius, or foreign devotees embracing Indian traditions through ISKCON. From sarees and kurta-pyjamas to yoga and vegetarian cuisine, the world is drawing closer to India's ancient wisdom.

The theme of "Vasudhaiva Kutumbakam" (One Earth, One Family, One Future), chosen for the recent G20 Summit hosted by India under the leadership of Prime Minister Shri Narendra Modi, captured this spirit beautifully. It wasn't just about diplomacy; it was a celebration of India's ethos of inclusiveness, sustainability, and cultural pride. Hosting summit meetings across various Indian cities also gave the world a glimpse into our local cultures and regional strengths.

India's legacy of wealth and knowledge is not a modern phenomenon. Long before colonial invasions, we were known for our spices, textiles, gold, and philosophy. The phrase "The Golden Sparrow" reflects this glorious past—when India was admired, envied, and sought after. Though colonization drained much of our material wealth, the spirit of India remained unbroken.

Today, as we build a modern, self-reliant nation rooted in timeless values, the golden sparrow is poised to soar again. With our technological innovation, democratic resilience, and spiritual wisdom, India continues to inspire not just its people, but the world.

"Jahaan daal daal par sone ki chidiya karti hai basera,

Woh Bharat desh hai mera, woh Bharat desh hai mera!"

Let us all, be the custodians of this legacy—celebrating our roots while shaping a progressive and inclusive tomorrow.

-Dr. Joseph Rodrigues



# *Literature*





# *LOSS OF ENJOYMENT IN BIG SCREEN MOVIES*

Over the last decade, there has been a noticeable decline in the quality of films being released. The shared experience of watching movies together has diminished, and with the rise of OTT platforms, this trend has only accelerated. One of the primary reasons behind this shift is that modern cinema tends to focus heavily on superhero franchises rather than offering compelling, thought-provoking stories. We rarely come across films that showcase the depth of human emotion or highlight exceptional acting, like the classics *Goodfellas*, *Rain Man*, or *Donnie Brasco*.

This change has reshaped audience expectations. Instead of appreciating storytelling, character development, or strong performances, many viewers now fixate on superficial elements—how characters look, how "cool" the visuals are, or how loud the action scenes can get. As a result, storytelling has taken a backseat, and this cultural shift is subtly affecting how the younger generation perceives relationships, values, and respect—especially toward elders.

Simple, meaningful films rarely get a chance to shine. They are often overshadowed by formulaic blockbusters and star-studded remakes. Fresh ideas are stifled, and originality is compromised. Instead of narratives that involve everyone and offer universal appeal, we are stuck in loops that revolve around generic protagonists and recycled plots.

Moreover, the excessive reliance on green screens and CGI is doing more harm than good. While technology can enhance a story when used wisely, its overuse often dilutes the essence of cinema. Films today seem more concerned with social media traction—how many likes, shares, or trends they can generate—rather than focusing on genuine artistry.

Cinema has stopped pushing boundaries. It no longer celebrates raw, authentic acting the way it once did. The industry now prioritizes profit over passion, popularity over performance. It's high time we rediscover the soul of filmmaking and return to stories that connect, challenge, and truly move us.



# *The Expense of Ease*

I recently picked up my new camera. I was very excited that there, was a camera in my hand that I got to call mine. Something you need to know about my camera is that it's sixteen years old. So it's 'new' to me, but in reality it's old in every sense of the word.

The thing about cameras is, with every new model that replaces the old, there are new features and innovations that make the life of the cameraman easier. So as you can imagine, my sixteen year old camera was quite behind on new technology news. I had been warned that using this camera wouldn't be a simple point and shoot.

As someone who enjoys taking photographs and does so decently, I figured it can't be that hard, right? But there I was, unable to make a simple backpack look nice! Using this camera meant using my brains, eyes, and hands. It's art and it's math.

But then I got to wondering. Have we gotten so used to having things easy? Has the advancement of technology helped or harmed?

I don't intend to speak about whether technology is a boon or a burden (that's a conversation for another day) But I think it's time we shed some light on the things that we've unknowingly allowed to slip away.

## 1. The pain in the process

Now I know I sound crazy, but think of it this way. The view on the mountain top is enjoyed much more when we've noticed everything on the path that allowed us to be there. When you've felt every climb, the gravity of where you are and what you're enjoying is felt. When we've laboured in every moment of creating something, it is certain that we will cherish it more. It's the euphoria we feel when we've earned the grade ourselves rather than cheating our way through.

## 2. The pleasure in perseverance

There is joy and contentment in hard work. As much as every process has it's trials, it is those trials that make or break our outlook on the end result. Realistically, not every painting session ends with a museum piece. But every session sharpens the pencil. Every process when approached with a can-do, 'let's learn' attitude bears fruit. Even with a dissatisfying outcome, there is peace in knowing we've tried our best. And 10/10 times we've learned something and are better for it.

## 3. Jack of all trades, master of none

The ease that innovation has brought us has made this statement dangerously true. Some might argue calling us a jack of all trades might also be a reach. Getting everything ready-made has left us with a lot of surface level knowledge and experience, leaving us with no knowledge that holds substance. Going back to my camera, it's the way my phone camera allowed me to feel like i knew my stuff but reality was nurturing a very different picture. It's the way students know enough about the subject to type it into the search engine but can't explain what they've copied and pasted.

The more time I give to these thoughts, the more I realize the weight of what we're leaving behind. I read somewhere that slowness is a luxury. In today's hustle culture, slowing down to learn and enjoy your current process makes one feel like we're lagging behind. But the whole truth is that we're lagging behind because we won't slow down. It's about time we choose to be comfortable with the uncomfortable and consequently choose learning, growth, and joy in the everyday.

-Rebekah Maria Mathew



# *Absurdism*

Humans have experienced many things during their lifetimes on earth. One has been a victim of a crime/war while another has been rich their whole life. There are currently 8 billion people living on earth, and each one of them has experienced life differently. Thus, people start to adopt some philosophy or an ideology that will help them to go through this life.

The philosophy that resonates deeply with me is Absurdism. Absurdism basically means what if life has no meaning. At first, it may seem a daunting and horrifying philosophy to believe. But what if life has no meaning? the fact that we are free from any destiny and have the ability to choose on our own. Then, we should not worry about unnecessary things and should live in the present. Absurdism tells us to embrace the absurdity in a positive attitude and live life. To find beauty in the ordinary, to accept the fact life has inherently no meaning and it is meaning that we create that matters is some of the things Absurdist have to do.

Albert Camus, a philosopher who explored Absurdism, famously wrote, "Imagine Sisyphus being happy." Here, Sisyphus, an ancient Greek king in mythology who cheated death twice and was given a punishment that he should move a boulder uphill, but whenever he reaches the top, the boulder slips, and he needs to repeat the cycle. While this is one of the worst punishments, I believe what Albert is trying to say through this is that Sisyphus feels happy whenever he reaches the top. Though the punishment he does has no meaning but to find meaning in a mundane job and feeling joy is an example of absurdism.

I conclude with that when an Absurdist dies and asks Creator what is the meaning of life and He answers that there is no meaning . To truly laugh upon it is the biggest challenge of any Absurdist.

-Joel Wilson Mulakkal



# *Indian Heritage:*

## *A Timeless Inspiration for Sustainable Technology*

India, a land of profound wisdom and timeless traditions, has always been ahead of its time in sustainable practices. Our ancestors, guided by an innate respect for nature, developed technologies that were not only effective but also environmentally responsible. Today, as the world grapples with climate change and resource depletion, our rich heritage serves as an invaluable source of inspiration for modern sustainable solutions.

### Ancient Wisdom in Sustainable Living:-

Long before sustainability became a global concern, Indian civilization had already integrated eco-friendly principles into daily life. Architecture, agriculture, water management, and textile production were all deeply rooted in nature-friendly practices. For instance, the architectural marvels of Hampi, Jaipur, and the temples of Tamil Nadu were built with climate-responsive designs, using locally available materials that ensured natural cooling and ventilation. These techniques are now influencing modern green building designs, reducing dependence on energy-intensive cooling systems.

Similarly, India's traditional agricultural methods prioritized organic farming, soil conservation, and crop rotation, ensuring long-term soil fertility. The use of bio-pesticides, such as neem extracts, is now being revived as a natural alternative to chemical pesticides, minimizing environmental damage and promoting healthier produce.

### Water Management: Learning from the Past:-

Water conservation has been an integral part of Indian heritage. Stepwells like Rani ki Vav in Gujarat and the intricate tank systems in Hampi and Rajasthan showcased exceptional engineering skills. These ancient water-harvesting structures efficiently stored and managed water, ensuring its availability even in arid regions. Today, with increasing water scarcity, governments and engineers are revisiting these age-old techniques to develop modern rainwater harvesting systems and urban water management strategies.

### Sustainable Textiles and Natural Dyes:-

Indian textiles have long been celebrated for their sustainability. Handwoven fabrics like khadi, made without electricity, promote minimal carbon footprints. The use of natural dyes derived from plants, minerals, and even insects ensured that textile production remained non-toxic and biodegradable. Modern sustainable fashion brands are now adopting these traditional techniques to reduce pollution in the textile industry.

### Ayurveda and Herbal Innovations:-

Ayurveda, India's ancient medicinal science, has always promoted the use of herbs and natural resources for healing. Today, as the pharmaceutical industry faces challenges related to synthetic drug overuse and its side effects, Ayurvedic principles are making a global comeback. Herbal-based medicines, sustainable skincare, and wellness products inspired by Ayurveda are gaining popularity, offering an eco-friendly alternative to chemical-laden products.



Blending Heritage with Modern Science:-

The beauty of Indian heritage lies in its adaptability. As we progress in science and technology, merging ancient wisdom with modern innovation can lead to groundbreaking advancements in sustainability. Solar energy harnessing techniques inspired by sun temples, biodegradable packaging solutions based on traditional leaf plates, and smart irrigation systems modeled on ancient water conservation methods are just a few examples.

Our ancestors lived by the philosophy of "Vasudhaiva Kutumbakam"—the world is one family. They respected nature as a vital part of life. By revisiting and incorporating their sustainable practices, we can pave the way for a greener, more harmonious future, proving that heritage is not just about the past—it is the key to a sustainable tomorrow.

-Prof. Onkar Potadar (Mechanical Engineering)

## *Be a Light, Not A Fudge*

Be a light ,not a judge .

Be a model ,not a critic.

Be a part of the solution not ,part of the problem

If you start to think the problem is "out there" stop yourself.  
That thought is the problem(Pg 93).

To begin with the end means to start with a clean understanding of your destination.  
All things are created twice(Pg 99).

The carpenter's rule is "measure twice cut once".

Life is like a chess board and you are one of the chess piece.  
Anyone can attack from anywhere,  
Just like a topic abstract by many reasons.

The beginning is good ,The ending is good  
But the journey in between can be hard to live

A Girl I know  
There's a girl who smiles all time to show the world that she's fine.  
She surrounds herself with friends ,But wishes for her life to end.

Life is like a well of death ,you cannot stop anywhere.  
A movie is with zero audience is called life.  
Life propelled me like a Vande Groff generator ,landing me on the harsh crust of reality.  
Moments frozen forever.  
Capturing Life's Visual Poetry

-Slora Rajesh Bar



# *Lost in Time*

As I bid farewell to my teenage years, the adolescence in me fades away, with every puff that slowly disappears into the nothingness of this lilac sky. I like to think of my life as a grave, with people being the flowers received so often, wilting away as the seasons change. Myself changing with the seasons, becoming one with the wind as I allow it to take me where I need to be.

The same vendor who watched me grow up, from stumbling on little feet to standing tall in front of their once-youthful eyes, now turned weary.

Is time really fair to everyone?

When they ask about your job instead of your high school exams, it really makes me wonder, where did all the time go?

As time passed, did I flow with it, or am I still stuck in a moment when things knew no end when no responsibilities bound me?

Back when we were kids.

As I draw close to twenty, my head is still wrapped around hazy memories of when I was twelve. The feeling of my heart slipping for the first time ever, hearing them laugh, their smile brighter than a thousand suns. The feeling of endless joy, back when we knew no bounds to our dreams. When we could scream at the top of our lungs, and laugh with our hearts open. When life had not yet hit us, when we lived in a world built with our dreams and aspirations.

Until one day, we were pushed off that tall building, and since then, we haven't seemed to touch the ground.

Falling deeper and deeper each day.

Back when the troubles of the world felt just a little distant.

When nothing seemed impossible, holding your trembling hand in mine. Back when you could smile with your eyes closed, and I could laugh my heart out without hesitation. Gazing into your eyes, full of hope and innocence, unaware of what the world had waiting for you.

Remember that day after school? When we sat on that swing in the park, your messy hair and ripped skinny jeans, your awkward hands holding mine in a loose grip, and that spread of scarlet across your cheeks. Would we have been a little gentler with our hearts if we had met back then?

When we were young and unaware?

Back when we let our dreams take us where they wanted, instead of desperately holding on, dying to make them come true.

When we were young and unaware.

-Eram Saiyed



# अस्तित्व

सृष्टि रचयिता द्वारा सचराचर का निर्माण कब और कैसे हुआ, इसे समझने एवं जानने का प्रयास, बल बुधि विद्या ज्ञान व विवेक से मानव उनकी अपनी जिज्ञासावश सदियों से करते चले आ रहे हैं। धरती और सागर में जीवन, आकाश में दिखनेवाले सूर्य चन्द्र तारे आदि मनुष्य के लिए गहन अध्ययन का विषय भी हैं। इन सभी दिखनेवाले जीव तत्वों का अस्तित्व अर्थात् उनका वजूद प्रकृति में दर्शनीय है। सृष्टि में इन जीव-तत्वों की उपस्थिति ही इनके अस्तित्व की द्योतक है। यह मानना होगा कि सचराचर के स्थायी और अस्थायी अस्तित्व ब्रह्माण्ड की अनुपम कृति ही हैं। हर किसी का अस्तित्व परम सृजनकार ने गढ़ा है और वही इसे जब चाहे तब मिटा सकता है। आँधी तूफान बवंडर भूकम्प सुनामी ज्वालामुखी जैसे प्राकृतिक प्रलय प्रकोप हैं जिनसे स्थानीय कुछ जीव तत्वों का अस्तित्व लगभग मिट जाता है। वैसे दूसरी ओर किसी के अस्तित्व को मिटाने का प्रयास प्राणियों द्वारा किसी स्वार्थ वश भी किया जाता रहा है। पुरातत्व विभाग, वैज्ञानिक अनुसंधान केंद्र व अन्य प्रशासनिक क्षेत्र भी शोधकार्य से पता लगाने की कोशिश करते रहते हैं कि प्राप्त अवशेषों से उन्हें क्या जीव तत्वों के बारे में क्या जानकारी मिलती है। यह सच है कि परिवर्तन प्रकृति का नियम है और निश्चित रूप से कोई सर्वशक्तिमान है जो ही अस्तित्व का संरक्षण करती है। मनुष्य का अस्तित्व भी इसी अद्भुत विशिष्ट महा शक्ति के अधीन है किन्तु यहाँ यह भी विचारणीय और अपेक्षित है कि मनुष्य को अपने कर्मों से जीव-तत्वों के अस्तित्व को मिटाने की कदापि कोशिश नहीं करनी चाहिए। जिस तरह जंगल कटने व इनमें आग लगने से अनगिनत पशु-पक्षियों जीव-जन्तुओं के साथ वनस्पतियों का अस्तित्व भी मिट जाता है या संकट में आ जाता है। उल्लेखनीय है कि विश्व के कई देशों में वहाँ रहनेवाले अल्पसंख्यकों (किसी विशेष जाति वर्णों के लोगों का) अस्तित्व भी खतरे में पड़ता दिखाई दे रहा है। जबकि प्रशंसनीय व अनुकरणीय यह है कि मनुष्य का अस्तित्व उसके सद्कर्मों व सदाचार से चिरंतन बना रहता है और यही सत्य है कि मनुष्य की उसकी अपनी सम्पत्ति धन वैभव सब एक दिन पीछे छूट जाते हैं। जबकि यह सर्वविदित है कि संत महापुरुषों का अस्तित्व हमेशा बना रहता है और विश्व में सुजन इसे जागता प्रमाण मानते हैं। अतः अपने अस्तित्व को अक्षुण्ण बनाने के लिए मनुष्य को अपने अंतःकरण को वात्सल्य से अभिसिंचित करना होगा। अन्ततः चाल वह चल जिससे पसेमर्ग तुझे याद करे, काम वह कर जिससे जमाने में तेरा नाम रहे।

Prof. गरिमा त्रिपाठी





# *Artistic*

**S H O W C A S E**





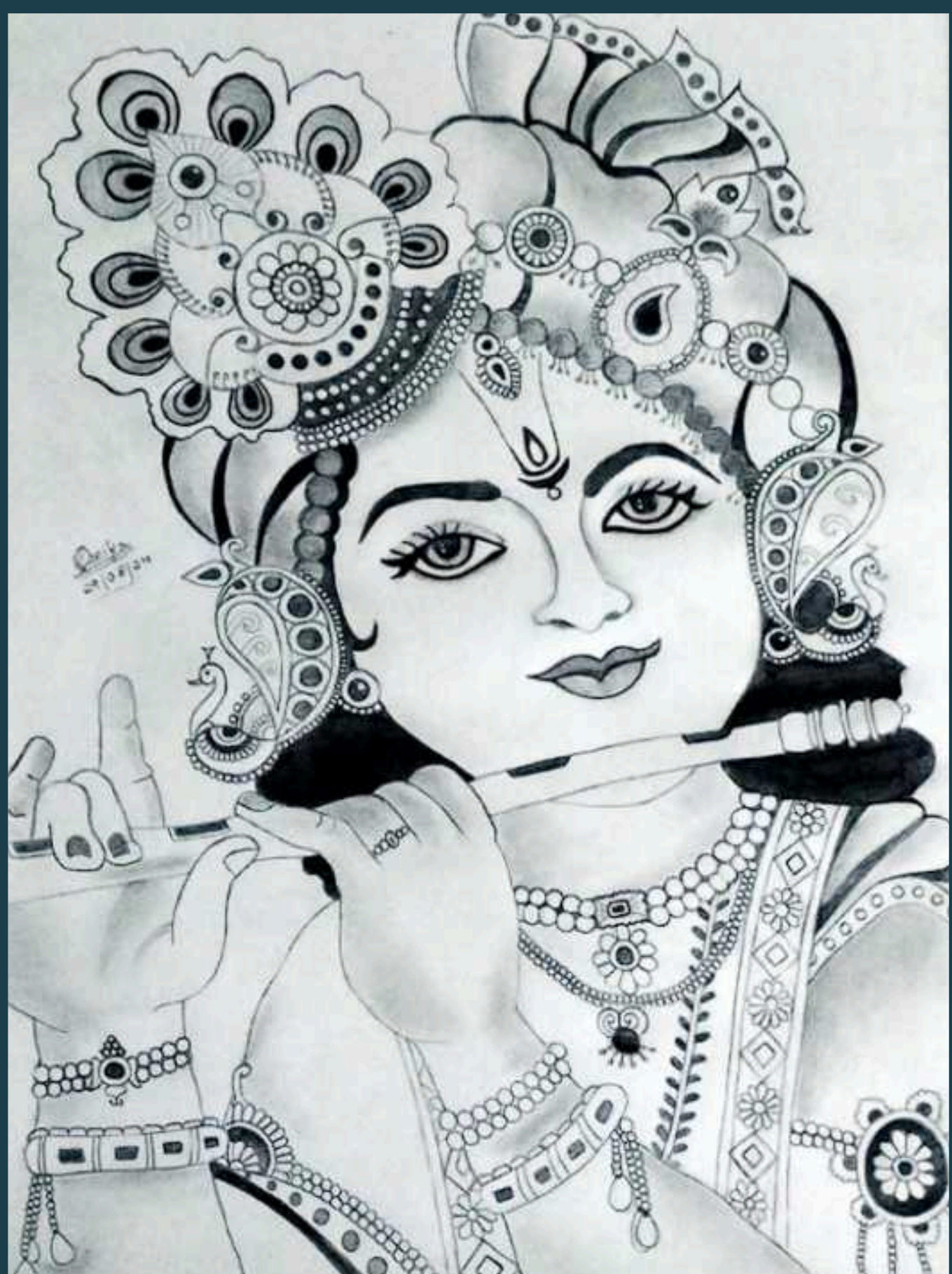




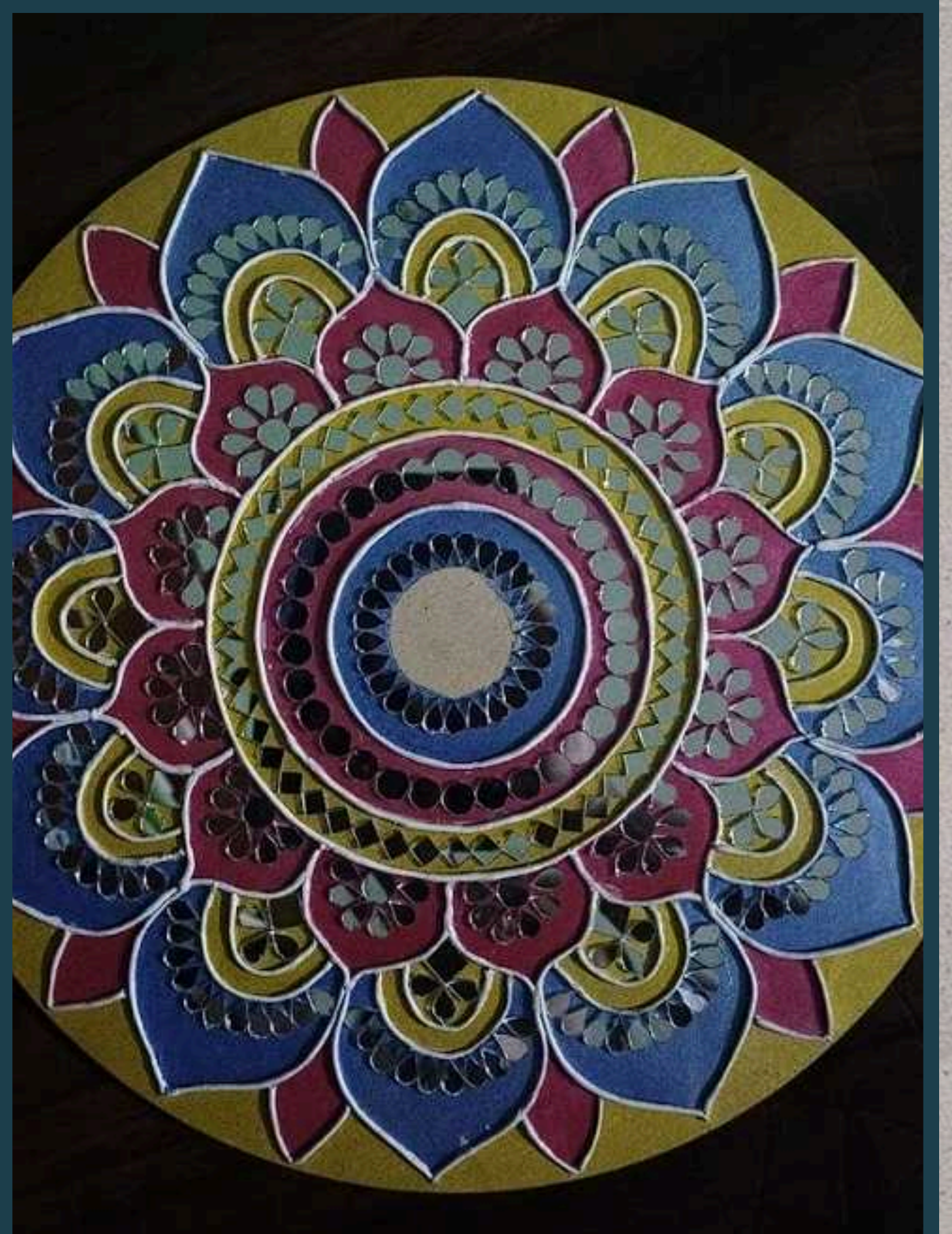
-Paras Dhende



-Slavik Dcosta

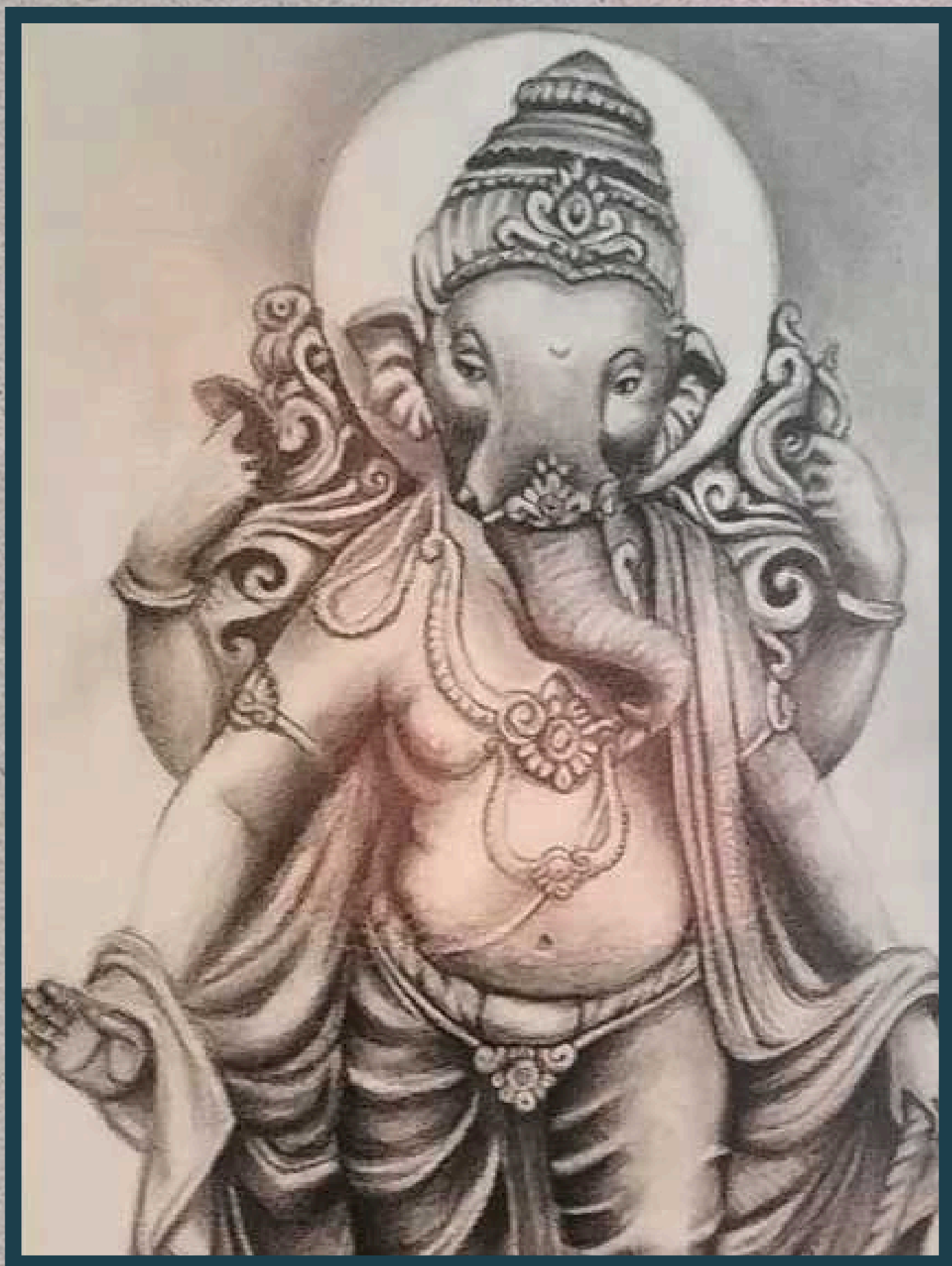


-Sanika Sanjay Gunjal



Sanika Sanjay Gunjal

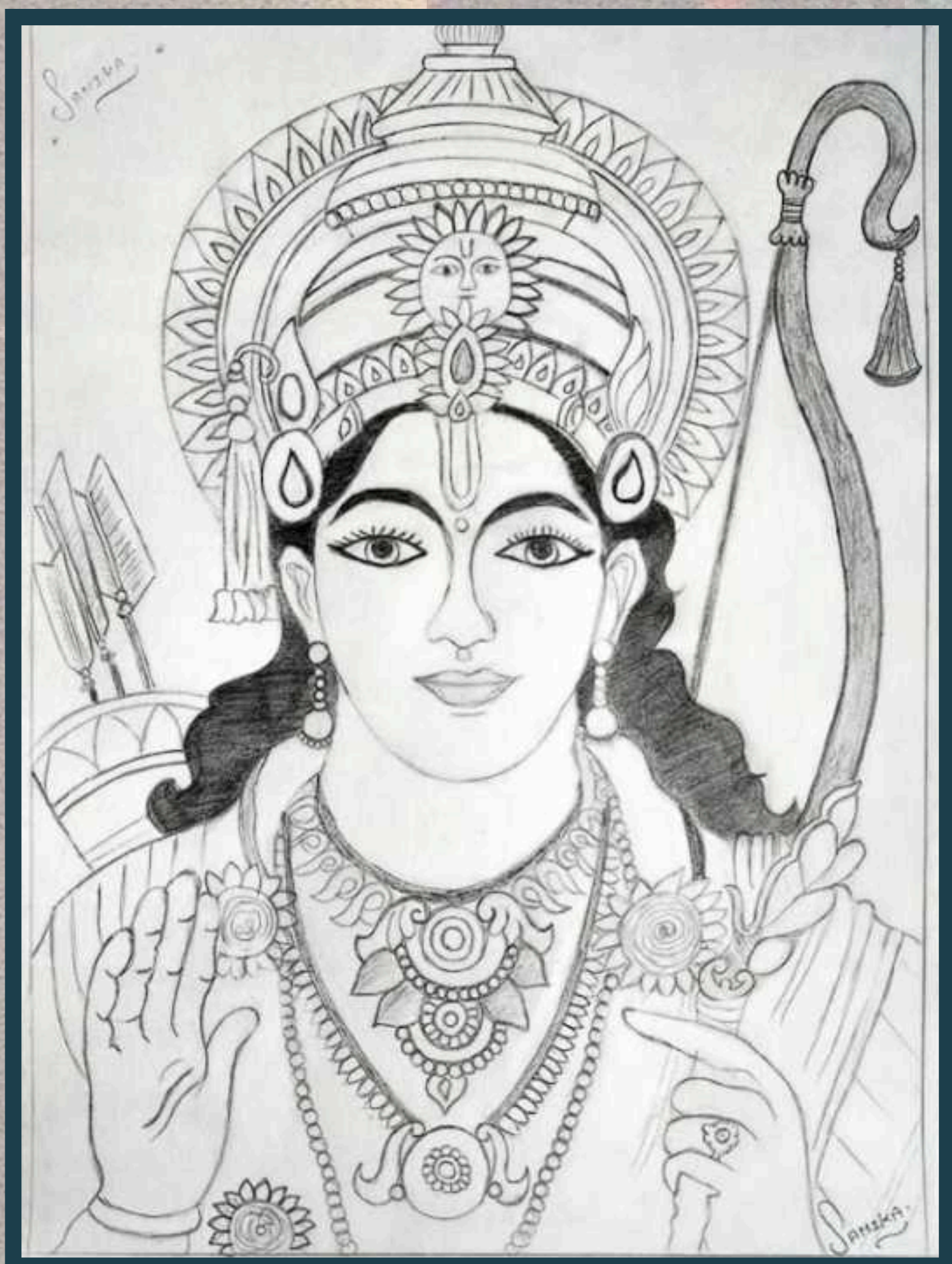




Sanika Sanjay Gunjal



-Paras Dhende



-Sanika Sanjay Gunjal

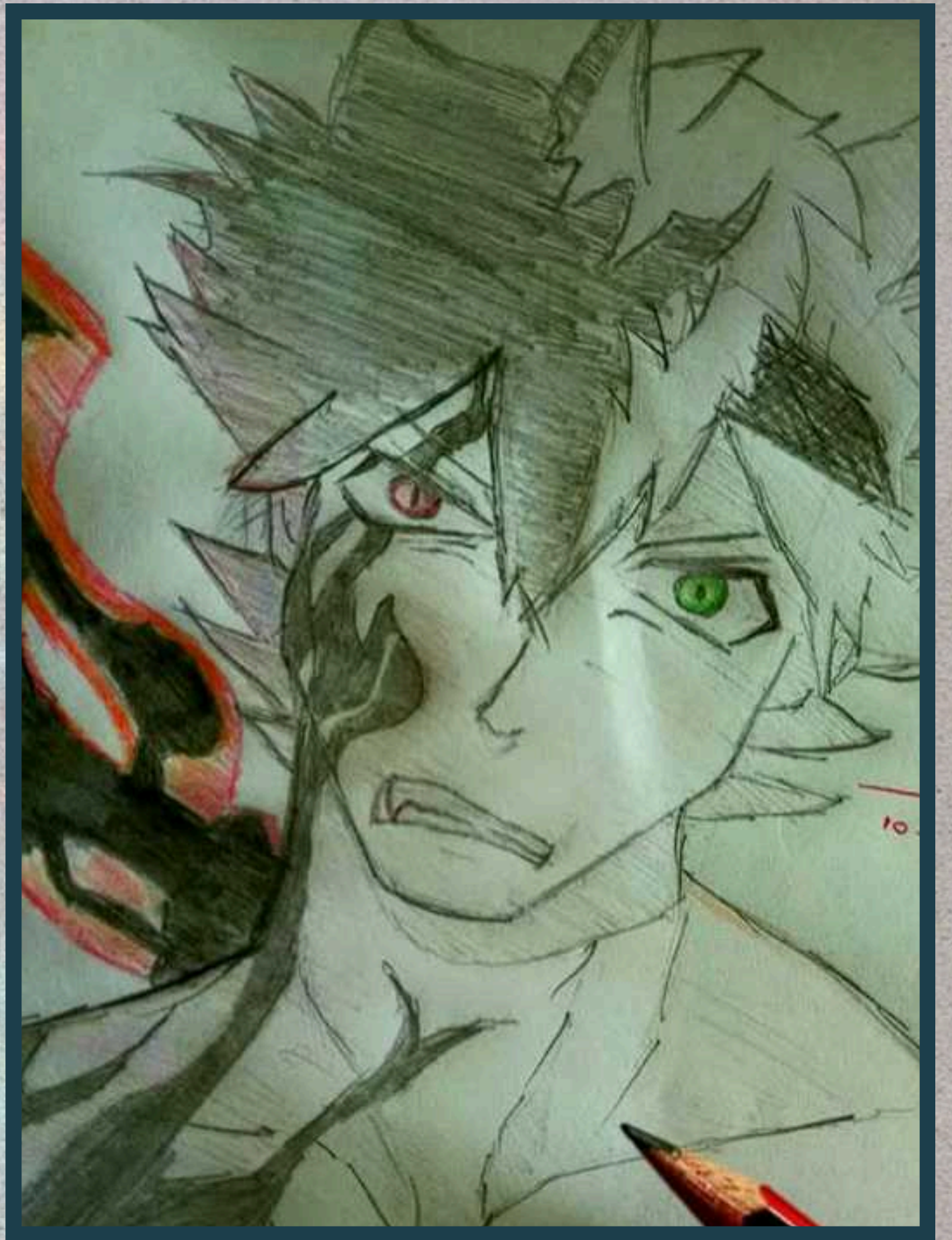


Sanika Sanjay Gunjal





Vrushabh Chavan



Vrushabh Chavan

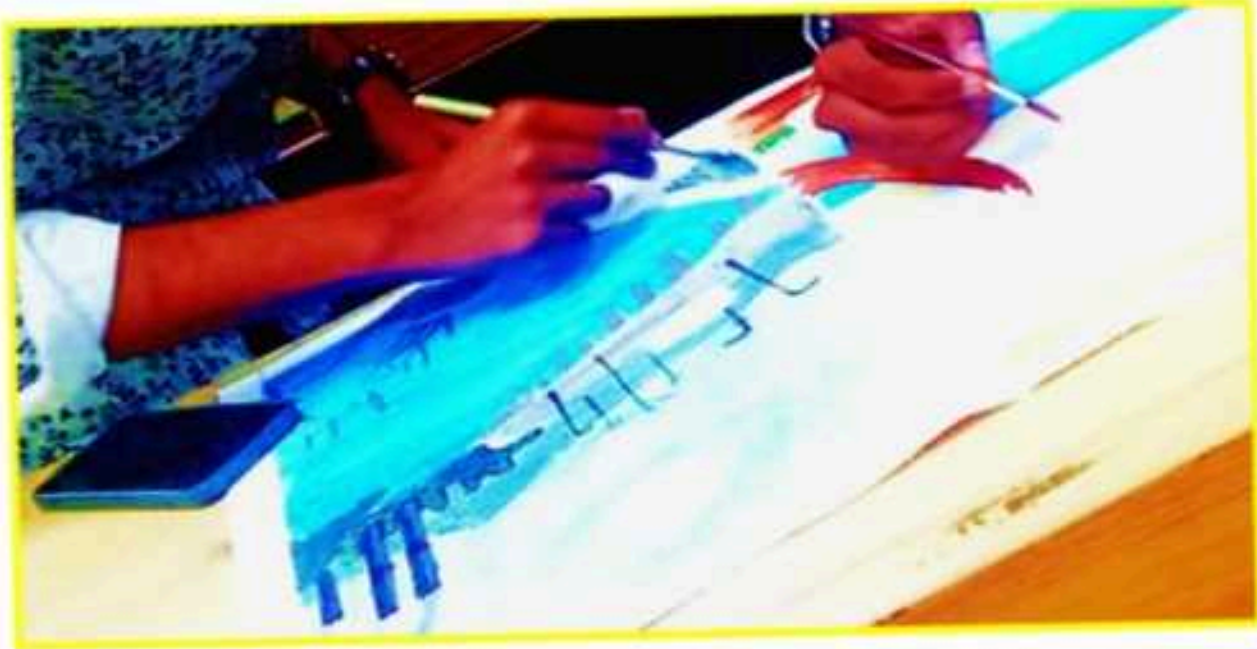


Vrushabh Chavan



-Prof. VB Rao





**Artwork** of *LLC: Sketching* Students of Fr.CRCE (March 2025)



Epoxy creation :  
Mehek Gupta

*The world is vast, and it's up to you to see it and move forward with hard work.*

*Achieving the milestones is said to be the fate of the fortunate ones.*

*By giving and sharing, happiness is what this is called.*

*Keep going and keep supporting...*

*.....Dr. Miriyala VeeraBhadraRao*





# *Poetry*

C O L L E C T I O N



## *She Rises*

She was told to sit down , told to look to the ground .  
They took away her strength , to taboos was she bound .  
"Speak only when spoken to" , "Answer when only asked to",  
They cage her within 4 walls of fire , letting her dreams burn through .  
But she was not born for the shadows , she belonged to the skies .  
Within her soul , a voice lingers and a caged bird flies  
She walked their lines and tied herself to their rotten lies  
But something within her stirred one day , something which will make them  
pay  
the prize.

It wasn't rage that woke her , not fire , not flame .  
But the quiet truth with her that she was never made for shame .  
So , she stood , not in defiance  
But with a quiet and unshaken reliance .  
No more apologies for her glow  
And no more permission to rise and grow .  
And when she rose , hopeful eyes saw themselves .  
They awoke too , to leave the dogmas and said "let's be ourselves" .  
She was the mirror of strength they had forgotten .  
Her light became the beacon in the dark and the rotten .  
She does not need to shout for her power ,  
She already is graceful and full of hope , a steady tower .  
Her steps are sure , her voice clear .

She's out there reshaping futures , far and near .  
There is no false cry like others of the raging might .  
Because , she is a woman who knows what is right .  
She is a hymn of calm , gracefully and beautifully now becoming whole .  
For she is and always will carry the world within her soul .

~ **Hazel Sequeira (SE ECS)**



## *Beneath the Broken Sky*

Beneath the broken sky I sit, where shadows stretch and memories flit.  
Once, this land was full of light , now bathed in sorrow, robbed of might.  
The walls that held our laughter dear , are silent now, consumed by fear.  
The ground beneath, a bloodstained trace, of war's cruel hand and lost embrace.

The law that binds, a heavy chain, steals our breath, yet we remain.  
With heads bowed low, we walk in shame , but deep inside, we are the same.

The schools are empty, dreams erased, our daughters' hopes are now laid to waste.

We're told to stay and to hide away , our voices are drowned, our hearts in sway.

Yet in the dark, a spark still burns, a light although flickers always returns.  
We carry on, though torn apart, because hope is held within our heart.  
This world may crumble, the winds may scream, but we endure because we still believe.

Even though skies are shattered, hearts are still , we'll rise, defiant, against the hill.

Beneath the broken sky we united stand, with strength that none can understand.

For though they try to steal our voice, we are the ones who will rejoice.  
We'll rebuild from the rubble and the dust, for in our souls, there's hope and trust.

And when the night gives way to the day, we'll rise again, we'll find our way.

**~ Hazel Sequeira (SE ECS)**



## *In the course of time.*

In love's embraces , a heart did start ;  
A journey towards success , a beating heart.  
From sweet affection, to love's cruel twist,  
From hours lost ,to dreams dismissed.  
Love's illusion, feeling untrue.  
A fake cure heart ,hard to see through.  
Torn between love and heartbreak's sting ,

A symphony of emotions , it did bring.  
Dark days cast shadow ,  
as she yelled for light,  
But time held the remedy to heal wounds out of sight.  
From the fire's heart to a healing touch,  
Love's journey ,intense and much.

Slowly ,as time passed , her heart found its grace ,  
A cure in process pain began to erase.  
A tapestry woven with threads so fine ,  
A heart's journey, a love so divine.

Through every trial, it finds its way .  
In the course of time comes what may.  
With each passing day , strength returned anew,  
until her heart stood unbreakable ,  
Pursuing the dream she knew.

**-Slora Rajesh Bar**



# *Memories are strange, Aren't they?*

MEMORIES ARE STRANGE, AREN'T THEY?

we cry, remembering the days we used to laugh, when everything felt perfect, and we didn't know how quickly it would change.

and other times....

sometimes we laugh when we think back to the day we cried. those moments of pain feel so far away now  
a remainder that we've lived... and felt deeply

but each memory, whether it hurts or makes us smile is a part of who we are.

that's life, it's a mix of joy and pain, laugh and tears and no matter what, you have to keep moving forward because even in the hardest moments there's always a chance to write a new story.... to create new memories.

# *Even lost souls rise...*

EVEN LOST SOULS RISE...

when the last light fades, and the world turns cold,  
you wonder how to keep walking this road  
the meaning you held slips away like sand,  
and emptiness takes you by the hand

but even in loss, a spark remains,  
a whisper of strength beyond the pain,  
you grieve, you break, but then you rise  
for even lost souls find new skies.

**-Gladys Vilas Correia**



## *Lily*

Life is light ,  
Life is bright,  
Just like a flower,  
That bloomed tonight;

So tender and light,  
It Swings tonight;  
Witness it's true beauty,  
In Moons for Light

Life is short ,  
Of a day or two;  
Spreads it's fragrance;  
All the way through.

**-Athen Sunil Falcoa**



# *Tears*

Tears, my faithful friends  
You are always there until the end.  
In my sorrow, you fall like the rain,  
And in my joy, you shine like the morning's sun.  
You never left me, no matter what,  
Even though on my knees life has me brought.  
My constant companion through life's every test,  
A comforting presence, my bulletproof vest.  
The earth too cries with a very deep pain,  
With the storm that rages on, sprinkling the soothing rain.  
The parched soil drinks, and the new life begins  
With the promise that healing always wins.  
Oh my dear tears, you speak a language true,  
A reflection of the heart that we all must go through.  
In your gentle touch, I find peace my peace,  
A calm within the storm, my soul's only release.  
That is why I say:  
So let the tears fall like autumn's leaves,  
For in their sorrow, the humanity and  
touching my heart and soul grooves grieves.  
To that I say farewell.

**-Vivon**



## *The Iceberg*

Problems are like iceberg,  
People like sea;  
The observer see the tip,  
But the iceberg lies drop;

Flows in the ocean,  
Carefree and at the peace;  
It Test the one,  
Whoever it meets;

Problem are like iceberg,  
People like sea's;  
Solve them as you can ,  
Or you get buried Deep.

**-Athen Sunil Falcoa**





# *Photography*

## D I S P L A Y

photo credit  
SIDDHESH CHINCHGHARE

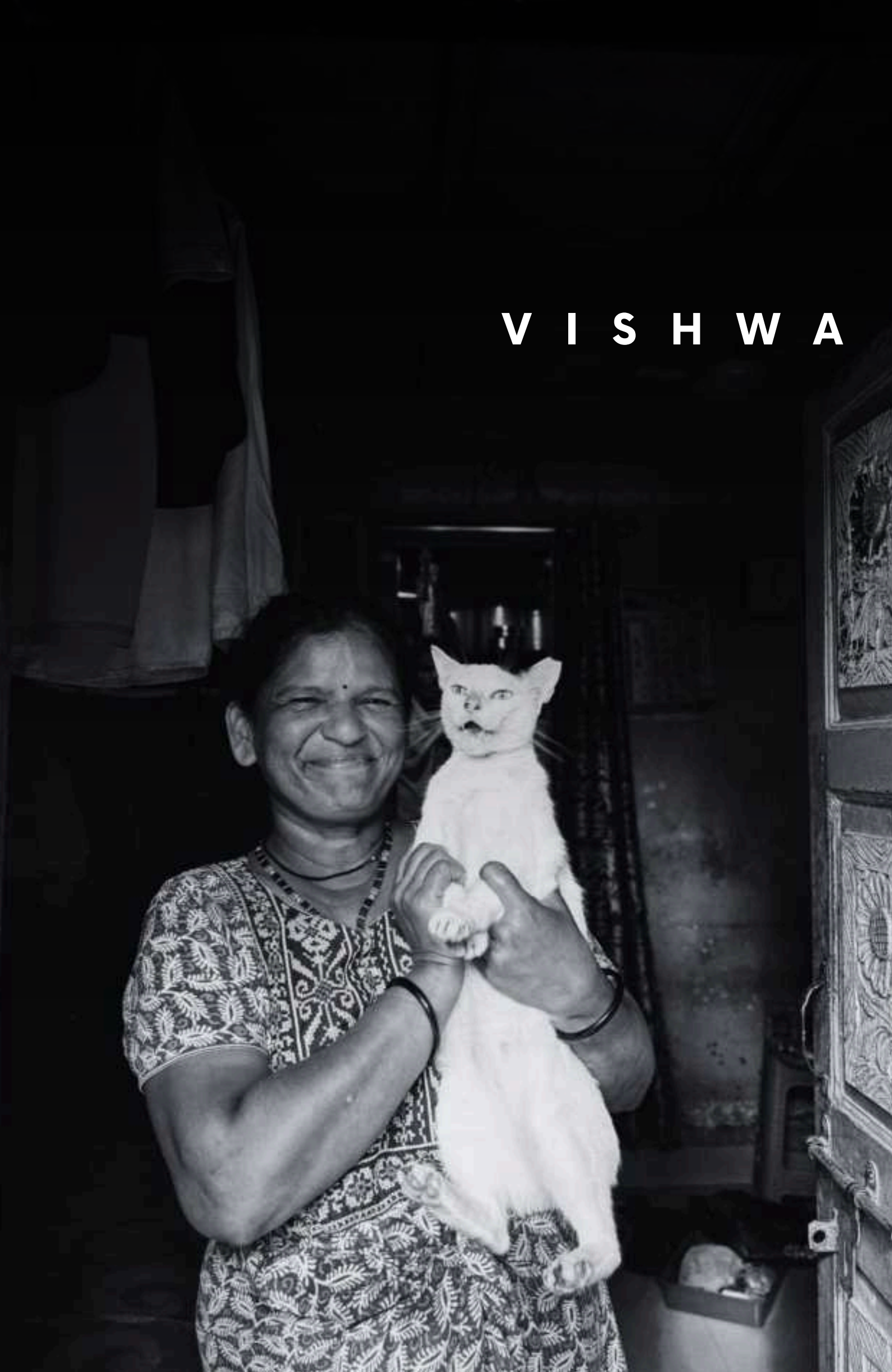


S I D D H E S H   C H I N C H G H A R E





V I S H W A   B H E N D E













K A R E N C A R V A L H O







S M I T H P A N D I T

V I S H W A B H E N D E







S M I T H P A N D I T



V I S H W A B H E N D E





The background of the cover is a detailed, light-colored technical illustration of mechanical components. It features several interlocking gears of different sizes, some with teeth and others with smooth rims. There are also various bolts, nuts, and cylindrical parts, some with flanges. The lines are fine and precise, typical of engineering drawings. The overall tone is a muted, light beige or off-white, giving it a vintage or industrial feel.

# *Technical*

R E P O R T S



# Annual Event Report – IEEE CRCE

## 1. INGENIUM – Technical Discussion Forum

- Date: 21st September 2024
- Organizers: IEEE CRCE & WIE CRCE
- Participants: 43 students (5 teams)
- Objective: Enhance critical thinking, teamwork, and interview skills.
- Key Activities:
  - Round 1: Group discussions on trending topics (metaverse, NEET policies, etc.).
  - Round 2: Debates on AI's impact on jobs and creativity.
- Outcome: Improved analytical and public speaking skills.

## 2. Unlocking Innovation: Startups & Investors

- Date: 18th October 2024
- Organizers: IEEE CRCE
- Participants: 60+ students from multiple colleges.
- Objective: Key
- Activities: Panel discussions on startup challenges, funding, and team-building.
- Outcome: Practical insights into entrepreneurship and networking opportunities.

## 3. PRAKALP 3.0 – Project Competition

- Date: 19th April 2025
- Organizers: IEEE CRCE & WIE CRCE
- Participants: 150 teams.
- Objective: Showcase software/hardware innovations.
- Structure:
  - Round 1: Online submissions. Round 2: On-campus presentations
  - judged by industry/academia experts.
- Prize Pool: ₹80,00
- Impact: Fostered real-world problem-solving and teamwork.

## Conclusion

IEEE CRCE's events successfully promoted technical skills, innovation, and entrepreneurial mindset among students, aligning with IEEE's mission of technological advancement.



# Annual Report – Rotaract Club CRCE

## 1. Kothaligad Trek

- Date: 10th August 2024
- Participants: 184 students, 5 faculty members.
- Objective: Promote teamwork, fitness, and environmental awareness.
- Key Highlights:
  - Scenic trek to Kothaligad Fort (90 km from Mumbai).
  - Emphasis on "Leave No Trace" principles.
- Outcome: Strengthened camaraderie and commitment to sustainability.

## 2. Installation Ceremony

- Date: [Not specified]
- Purpose: Leadership transition for 2024–25 term.
- Key Activities:
  - Induction of new President and core committee.
  - Vision-setting for the year.
- Impact: Reinforced values of leadership and collaboration.

## 3. Beach Cleanup at Girgaon Chowpatty

- Date: 6th October 2024
- Collaboration: Change Is Us NGO.
- Participants: 50 volunteers.
- Outcome: Collected litter, raised public awareness about beach pollution.

## 4. Youth Day Seminar

- Date: 17th January 2025
- Theme: Leadership & Innovation for CS students.
- Guest Speaker: Industry expert (career insights).
- Impact: Inspired proactive career planning.

## 5. Heart Sole Run (HSR)

- Date: 16th February 2025
- Objective: Charity run promoting fitness and social cause.
- Participants: Students, faculty, and citizens.
- Impact: Fostered community engagement.













## Conclusion

The Rotaract Club CRCE delivered impactful initiatives in leadership, environment, and youth development, aligning with its mission of service and stewardship.



# ASME CRCE Council Report

## 1. Fun & Technical Games Event

- Date: 25th October 2024
- Venue: CRCE Campus
- Objective: Foster teamwork, creativity, and hands-on learning.
- Key Activities:
  - Phase 1: Wind Sail Car Challenge, Catapult Launch, Clay Tower Challenge.
  - Phase 2: Treasure Hunt, Tilt Maze, Rube Goldberg Challenge.
- Impact: Enhanced problem-solving skills and competitive spirit.

## 2. Industrial Visit – STULZ India Pvt. Ltd.

- Date: 27th December 2024
- Location: Navi Mumbai
- Focus: Precision cooling systems (HVAC) for data centers & industrial units.
- Outcome: Bridged theory-practice gaps in thermal engineering.

## 3. Industrial Visit – Uran Facility

- Date: 6th February 2025
- Focus: Large-scale mechanical systems, energy generation, and safety protocols.
- Impact: Practical exposure to industrial operations.

## Conclusion

ASME CRCE successfully delivered a mix of technical competitions and industry visits, aligning with its mission to promote innovation and practical learning in mechanical engineering.



# CSI CRCE Annual Report

## 1. SPARK – Entrepreneurial Seminar

- Date: July 2024
- Speaker: AI expert & founder of Cere Labs.
- Focus: Career pathways (higher education vs. startups).
- Key Takeaways:
  - Insights into startup financials, founder profiles, and venture lifecycles.
  - Attended by 50+ students.

## 2. Code N Convo Competition

- Date: October 2024 (Part of Crescendo fest).
- Format:
  - Phase Python debugging challenge.
  - 1: Debates on AI ethics, data privacy.
  - Phase 2: Enhanced coding + communication skills.
- Impact: Phase 2:

## 3. Blender & SolidWorks Workshop

- Date: 4th October 2024
- Trainer: Senior student (3rd-year CS).
- Coverage: Basics of 3D modeling (Blender) and CAD (SolidWorks).
- Outcome: Introduced 50+ students to design tools.

## 4. MERN Stack Workshop

- Date: February 2025
- Trainer: Industry expert.
- Project: Built a To-Do app using MongoDB, Express.js, React, Node.js.
- Participants: 60 students.
- Impact: Hands-on full-stack development experience.

## Conclusion

CSI CRCE delivered a balanced mix of technical workshops, competitions, and career guidance, fostering innovation and practical skills among students.



# GDA Annual Report

## 1. Unlock Your Creativity 2024

- Date: 5th October 2024
- Participants: 24 students
- Key Activities:
  - Guest talks on hackathons and career growth.
  - Coding competition (12:30 PM–2:00 PM).
- Impact: Bridged gaming and coding through interactive learning.

## 2. Beyond Pixels – Game Jam

- Date: 25th October 2024 (Part of Crescendo fest).
- Teams: 13 teams (~52 participants).
- Phases:
  - Online: Mentorship and ideation (Oct 22–24).
  - Offline: Presentations and awards (Oct 25).
- Winners:
  - 1st Place: Team 6 (SE AIDS/CSE).
  - Best FE Team: Team 2 (FE AIDS/CSE).
- Outcome: Enhanced game design, teamwork, and technical skills.

## 3. VisionARy – AR Workshop

- Date: 17th April 2025
- Audience: FE ECS/CSE students.
- Highlights:
  - Speaker session on AR applications (e.g., autonomous bots).
  - Insights into AR tools and creative possibilities.
- Impact: Inspired innovation in augmented reality.









## Conclusion

GDA CRCE fostered creativity in game development and AR through hands-on events, competitions, and expert-led sessions, empowering students with cutting-edge tech skills.



# GDSC CRCE Annual Report

## 1. UI/UX Competition

- Date: 24-27 Sept 2024
- Format: Online design challenge using Google Looker Studio
- Participants: Teams of 2 solving real-world problems
- Key Features:
  - Original designs (no AI/templates)
  - Focus on accessibility & sustainability
  - Top performers received internships

## 2. Future Forge

- Date: 28 Sept 2024
- Attendance: 250+ students
- Highlights:
  - Speaker sessions on hackathon strategies
  - Tech trends discussion (AI/AR/Blockchain)
  - Launched annual innovation calendar

## 3. Pitch & Prototype

- Date: 25 Oct 2024
- Teams 36 participants in 3-4 member teams
- :
  - Focus: SDG-aligned problem solving
  - Rapid Figma/Canva prototyping
  - Business pitch development

## 4. Bit N Build Hackathon

- Date: 26-27 Oct 2024
- Scale:
  - 65 finalist teams (35 Indian + 30 international)
  - Domains: Web/App, AI/ML, Blockchain
- Partners: IITs, NTU Singapore, UC Davis

## 5. Pitch Perfect

- Date: 18 Mar 2025
- Purpose: Prep for Unplug event



- Activities:
  - Investor pitch training
  - Mock presentations with feedback

## 6. Unplug: By the Beach

- Date: 28-30 Mar 2025
- Participants: 121 innovators (40 teams)
- Features:
  - Bonfire ideation sessions
  - Mentors from Google/Oracle/Microsoft
  - Investor pitch round



## Conclusion

GDSC CRCE delivered impactful tech events fostering design thinking, coding skills, and entrepreneurship through competitions, hackathons and startup initiatives.



# Mozilla Campus Club CRCE Annual Report

## 1. Innovation & TRL Webinar

- Date: 11 Feb 2025
- Format: Online session
- Speaker: Founder, Naman Angels India Foundation
- Key Learnings:
  - Technology commercialization strategies
  - TRL stages & startup frameworks (KAR, RAMP)
  - Competitor analysis & funding insights
- Participants: 18 students

## 2. CodeSprint (Crescendo)

- Date: 24 Oct 2024
- Teams: 14 teams (28 participants)
- Structure:
  - Language-specific challenges (HTML/CSS for FEs; Python/Java/C++ for seniors) 2-
  - hour coding without external resources GitHub submissions & live presentations
  -
- Judging Criteria: Innovation, code quality, documentation
- Winners:
  - 1st: BE Computers B
  - FE Winner: FE Computers C





## Conclusion

Mozilla CRCE advanced open-source awareness through hands-on coding challenges and innovation-focused webinars, empowering students with practical tech commercialization knowledge.



# CRCE Formula Racing Electric Season Report

## Team Overview

- Category: Formula Student Electric Vehicle Team
- Institution: Fr. Conceicao Rodrigues College of Engineering, Mumbai
- Season Focus:Design and compete with a new electric race car ("Pravega")

## Key Achievements

- Formula Bharat 2025:
  - 1st Placein Business Plan Presentation (Top 5 of 40+ teams)
  - Completed full manufacturing of "Pravega" by December 2024
- Past Honors:
  - Best Engineering Design (Formula Imperial 2023)
  - All India Rank 4 (Overall) & Rank 11 (Electric) in 2023

## Season Highlights

- Team Structure20-member team (smallest in 11 years)
  - Captain: Ishaan Chatterjee (B.E. Mech)
  - Manager: Shantanu Karekar (B.E. ECS)
- Milestones:
  - Shifted fully to electric vehicle development
  - Qualified for Business Plan Finals through rigorous static event prep
  - Secured historic first-ever trophy on 26th Jan 2025

## Conclusion

Team CFR’s 2024-25 season marked a pivotal shift to electric racing, culminating in a landmark victory at Formula Bharat. The team’s resilience and engineering excellence set a strong foundation for future competitions.



# TEDxCRCE Annual Report

## About TEDxCRCE

An independently organized TED event platform for thought-provoking talks across technology, education, and societal innovation.

## Key Events Conducted

### 1. Resume Building Workshop

- Date: 8th October 2024
- Speaker: Professor with 30+ years of corporate/IT experience
- Participants: 95 students
- Focus: Crafting effective resumes to showcase skills and experiences

### 2. Internship Expo

- Date: 19th October 2024
- Participants: 236 students
- Objective: Connected students with reputed companies for internship opportunities

### 3. Annual Conference: "Beyond the Spectrum"

- Date: 31st January 2025
- Speakers:
  - Journalist/Entrepreneur
  - Child Development Expert
  - Healthcare Innovator
  - Social Media Influencers
  - Poet/Artist
- Participants: 100 attendees
- Theme: Diverse perspectives on societal and technological evolution

## Council Highlights

- 17-member student team across roles:
  - Event curation, design, PR, and technical management
  - Representatives from BE/TE/SE (Computers, AI&DS, ECS)





## Conclusion

TEDxCRCE 2024-25 fostered intellectual exchange through workshops, networking expos, and multidisciplinary talks, empowering students with career skills and innovative ideas.



# WIE CRCE Annual Report

## Council Overview

- Mission: Empower women in tech through leadership, creativity, and inclusive events.
- Team: 12-member student council across BE/TE/SE (Computers, ECS, AI&DS).

## Key Events & Impact

### 1. Personality Development & Menstrual Hygiene Seminar

P&G + Students' Council

- Collaboration:
- Focus: Health awareness and personal growth for young women.

### 2. Ingenium – Group Discussion Challenge

- Partner: IEEE CRCE
- Format: Timed discussions on surprise engineering topics.
- Skills Developed: Critical thinking, collaboration.

### 3. 3D Odyssey – Crescendo Technical Event

- Theme: Fast-paced 3D modeling competition.
- Outcome: Enhanced design creativity under pressure.

### 4. Sales & Marketing Workshop

- Speaker: Startup expert Mayur Aggarwal.
- Topics: Investor pitching, growth strategies.

### 5. HerStory in Motion – Reel Competition

- Women's Day Special: Short reels on inspirational women.
- Impact: Celebrated female role models.

### 6. Prakalp 2K25 – Tech Exhibition

- Partner: IEEE CRCE
- Focus: Sustainable tech projects with real-world impact.

## Conclusion

WIE CRCE fostered inclusivity and innovation through technical competitions, skill-building workshops, and advocacy events, strengthening its mission to empower women in engineering.



# ACM CRCE Annual Report

## Key Events & Workshops

### 1. SPICE Framework Workshop

20 Aug 2024

- Date:
- Focus: Market research & user needs analysis
- Speaker: Prof. Kranti Wagle
- Outcome: Practical application of SPICE framework for product development

### 2. AI/ML for Business Success

- Date: 3 Sep 2024 (Online)
- Speaker: COO of Sahayak Mentoring
- Coverage:
  - AI/ML fundamentals & real-world applications
  - Hands-on Python demo with Scikit-Learn

### 3. Python & Django Workshop

- Date: 21-22 Sep 2024
- Format: 2-day intensive
  - Day 1: Python programming basics
  - Day 2: Django web app development
- Hands-on: Built functional web applications

### 4. Shark Tank CRCE

- Date: 24-25 Oct 2024
- Teams: 10+ teams across departments
- Phases:
  - Idea pitching & PPT rounds
  - Final investor pitch to startup founders
- Impact: Entrepreneurial skill development

### 5. "My Story" Entrepreneur Session

- Date: 8 Nov 2024
- Speaker: Alumni entrepreneur
- Key Takeaways:
  - Resilience in tech startups
  - From idea to execution



## Conclusion

ACM CRCE delivered 5+ technical and entrepreneurial initiatives, equipping 300+ students with cutting-edge tech skills and business acumen.





# *Credits*

## Teacher In-Charge

- Dr. Joseph Rodrigues

## Senior Council

- General Secretary: Eram Saiyed
- Cultural and Editorial Secretary: Juvana Dsouza
- Technical Secretary: Harsh Vishwakarma
- Sports Secretaries: Larissa Martis and Keenan Mendes
- Film and Music Secretary: Allison Daniel
- Additional Societies Secretary: Janhavi Singh
- PR Head: Ramona Lobo
- Marketing Head: Harshvardhan Gautam
- Design Head: Arya Patil

## Junior Council

- Cultural and Literary Secretaries: Shreeya Kalbhor and Shravya Shetty
- Technical Representatives: Prabhanshu Dwivedi and Aaryan Singh
- Sports Representatives: Yashdeep Kulkarni and Devona Lewis
- Film and Music Representatives: Karen Carvalho and Tanaya Bane
- Additional Societies: Shuddhay Salunke and Suhera Siddiqui