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MESSAGE FROM THE VICE CHANCELLOR



Welcoming a New Year of Growth and Learning

The beauty of a new beginning lies in its potential. I extend my warmest New Year wishes to all. Entering into a new year gives a sense of profound hope to stride up on new things. For most of us, the past year must have been filled with learning, adapting, and growing. In this New Year also, let us continue to keep on learning and expand our skillset.

I encourage each of you to dream big, inspire others, and never stop learning. Together, we can create a brighter future for generations to come. At our institution, as we nurture the teachers of tomorrow, it is equally important to keep ourselves active and updated. Thereby, I urge each one of you to push the boundaries of knowledge and discover new ways to learn. Remember, "Every challenge is an opportunity in disguise and every setback is a setup for a comeback."

This year, I encourage each of you to reflect on the past, keep a track of the progress you've made, and set aspiring goals. Following this practice as a student or a professional, will be a step forward to boost your confidence. It is because a new year is not just about resolutions but about understanding that every day offers a chance for growth.

Lastly, I wish that you identify new opportunities to grow holistically that can eventually contribute positively to society. Make this year full of new learnings and unforgettable achievements.

With warmest regards,

Prof. R.C. Patel
Vice Chancellor-IITE, Gandhinagar

THE BEGINNING OF 'NEWNESS' ନୂତନ ବର୍ଷ



ନୂତନ ବର୍ଷ: 'Vikram Samvat 2081' has just begun, an all-new excitement and energy seems to be flowing among us. For students and educators, it's the perfect time to step into a new season of education by reflecting on the year gone and wholeheartedly welcoming new possibilities.

In the world of education, a freshly brewed new year is a time for new beginnings. The start of the year gives you a chance to refresh your mindset and goals. For students, it's an exciting moment to set resolutions, dive into new subjects, and challenge themselves to row both inside and outside the classroom. But the main question arises: how do we make the most of this "newness"? One of the most powerful tools we can use is reflection.

Take a moment to think about what worked well in the past year—what classes sparked your curiosity, which assignments pushed you to do your best, or what personal milestones you reached. Recognizing these accomplishments is key to building a sense of pride and motivation as you look ahead. Simultaneously, don't be afraid to look at what

didn't go as planned. Education is a journey, and setbacks are simply part of it.

The New Year is an excellent opportunity to treat challenges as lessons rather than failures. From juggling with time management, not quite hitting the expected grade to feeling disconnected from certain subjects, this year offers you the chance to try again with wisdom. In fact, welcoming a new year in education is all about adopting a growth mindset. This means accepting mistakes as stepping stones, staying curious even when topics seem difficult, and always striving to improve.

Make a habit of taking the new year as a blank canvas where each lesson is a brushstroke and every project is a piece of art that you're creating with knowledge. More than just a celebration, the new year can also be a productive reminder that learning never stops. Just as the world around us constantly changes, so too does the world of education. So, let's welcome the New Year with new ideas, new skills, and meaningful new connections with peers and teachers.

"As you step into this fresh start, remember: every day is an opportunity for a new beginning. Make it count!"

SAY HELLO TO A नूतन वर्ष IN THE CORRECT WAY



A new year (नूतन वर्ष) is a blank slate and canvas that waits for your brushstrokes. It is an open invitation to curate a narrative of purpose and progress. The key to this process lies in skill setting and goal drafting. That's how you can say hello to a new year in the correct way! So, say hello to the new year with excitement and purpose. Make it a year of discovery and growth. Let it be the chapter where you challenge yourself, dream bigger, and take steps to shape your future. This is your time. Dedicate it to new growth!

The transition to a new year is like opening a new chapter in a book. While the previous chapters have their value, the unwritten pages ahead hold the potential to transform your story. Start by identifying skills that excite and challenge you. Education today extends beyond textbooks and classrooms it is about becoming adaptable, innovative, and future-ready. Think of skills as tools for your future as the only idea is to choose something meaningful and start small. Learning new skills opens doors to exciting opportunities that may otherwise remain unexplored.

Once you have chosen the skills to focus on, draft clear and actionable goals to guide your journey. It is because goals are the fuel for any journey that you set on. But not just any goals. Make sure that your goals are SMART-specific, measurable, achievable, relevant, and time-bound. Instead of saying, "I'll learn something new," say, "I'll complete a course on innovative teaching methods by January." Break it down. Celebrate each step. Let your progress be your motivation. This structured approach keeps you motivated giving tangible results.

It is believed that learning doesn't happen in isolation and it holds aptness as growth thrives in collaboration. Share ideas, challenge each other, and seek feedback. This should be another motto for the new year. It is because, the more you interact, the more your perspective expands. So talk to your mentors and peers to spark some valuable insights. Learning together always makes the journey richer.

"As you enter this year, say yes to opportunities and stay curious. Remember, every skill you learn, every goal you achieve, adds a new colour to your canvas."

STAY MINDFUL: A SECRET SUPERPOWER FOR THE NEW YEAR



The start of *नया वर्ष* is the perfect time to pause for a moment and recollect. As an individual, we often think of resolutions but what to do without having proper focus? All your efforts are in vain without having a deeper sense of mindfulness. This calms your mind and helps in making clear decisions to make a progressive year ahead! It is a path to your well-being and better learning.

Mindfulness can be the secret ingredient to a fulfilling and productive year. It's not only associated with well-being. It's about enhancing focus, improving memory, and unlocking the true potential of your mind. In simple terms, being mindful means being present in a very particular moment. Not stuck in the past. Not lost in the future. It is about tuning out distractions and tuning into the task at hand with full awareness. In a world buzzing with notifications and endless demands, this skill is more valuable than ever. However, it must be sounding easy but in this era wherein loads of tabs are left open digitally and mentally, honing this skill can bring a drastic change for your betterment.

Especially for students, mindfulness can transform the way you study. Imagine you're in a lecture. Your

mind is with you and you aren't thinking about what's for lunch or the message you forgot to reply. You're completely tuned in to the lecture wherein every word is making sense to you. You are understanding every concept along with just mere hearing. This level of attention is the power of mindfulness. If achieved, it sharpens your focus, giving your grasping power a boost, and making it easier to absorb and retain what is delivered.

The first step to mindfulness is intentional breathing. Another way is through mindful studying. Before you begin, set an intention: "I'm going to focus on this topic for 20 minutes." Remove distractions. As you read, stay present. The science behind it is when you're mindful, your brain processes information more effectively. But mindfulness isn't just about academics. It helps you handle stress. Exams? Group projects? Presentations? A mindful approach keeps you calm, so you can think clearly and perform your best. Mindfulness nurtures emotional well-being. So it isn't just beneficial for your academic journey but for life as a whole. Start your journey of mindfulness with one small step of being here now to have a healthier mind.

"Make wellbeing a priority and let this year not just be about achieving goals but about enjoying the journey toward them."

STRATEGIES FOR A FRESH START IN ନୂତନ ବର୍ଷ



It's that time of the year when you get a chance to hit the reset button! Take it as an opportunity to shine bright with new energy and diligent purpose! Set the tone for the months ahead and kickstart your fresh journey. Here are some curated tips and tricks to make this year fulfilling and enriching.

1. Reflect Before You Plan: Before diving into resolutions or to-do lists, take a moment to look back. What worked for you last year? What didn't? Celebrate the wins—big or small—and identify areas where you can grow.

2. Set Goals That Excite You: The secret to sticking with goals is to make them meaningful and exciting. Instead of vague resolutions like "do better" or "work harder," opt for specific, achievable objectives. Wondering for a great trick? Break your goals into smaller, actionable steps. Achieving these milestones keeps you motivated.

3. Declutter Your Space and Mind: A cluttered environment often leads to a cluttered mind. Take a day to organize your desk. Practice journaling or mindfulness to clear mental blocks and approach the new year with clarity.

4. Learn Something New: The beginning of the year is perfect for picking up a new skill. Getting productive is the common buzzword going around these days. So it's necessary that you dedicate some time researching it rather than ignoring it. The thrill of mastering something unfamiliar adds freshness to your mundane routine and keeps your mind sharp.

5. Build Healthy Habits: Small habits, when done consistently, create big changes. Start with simple actions: drink more water, take short breaks during work, or commit to a 15-minute walk each day. These habits improve focus and energy, setting a solid foundation for bigger achievements.

6. Stay Connected: Community and collaboration can make the journey rewarding.

7. Be Kind to Yourself: There will be setbacks, but they're part of growth. Celebrate your efforts, even if the results aren't immediate. A positive mindset gives resilience, helping you move forward with confidence.

"Together, let's focus on progress over perfection, curiosity over fear, and collaboration over isolation. Here's to new beginnings, fresh opportunities, and a shared journey of growth at IITE."

ગણિતના અદ્ભૂત આવિષ્કારો

Dr. Paras Uchat

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વર્ષોથી 'ગણિતનું શિક્ષણ' એ શિક્ષકો અને વિદ્યાર્થીઓ માટે પડકારરૂપ રહ્યું છે. તેના ઘણા કારણોમાંનું એક કારણ આ વિષય માં રહેલા અરૂપ ખ્યાલો અને તેની ઉપયોગિતા અંગેની સમજ છે. ઘણી વખત શિક્ષક વિષયવસ્તુનો તાદૃશ્ય ચિત્રાર કે તેની પાછળ છુપાયેલી તેની વિશિષ્ટતા કે ઉપયોગિતા વિદ્યાર્થી સમક્ષ પીરસવામાં ક્યાશ રાખે, ત્યારે વિદ્યાર્થીના મનમાં ઘણી મૂંઝવણો ઊભી થાય છે. જે આગળ જતા વિષય પ્રત્યેની અરૂચિમાં પરિવર્તન પામે છે.

પ્રસ્તુત લેખમાં ગણિતની વિવિધ શાખાઓમાં થયેલા આવિષ્કારોની અમુક ઝાંખી દર્શાવવાનો પ્રયત્ન કર્યો છે.

૧. કલનગણિત (Calculus)



આપણે કદી વિચાર્યું છે કે 400 વર્ષ પહેલા શોધાયેલુ આ શાસ્ત્ર જો અસ્તિત્વમાં ન હોત તો શું થાત? સૌ પ્રથમ તો મકવેલે આપેલા સમીકરણોની શોધ ન થઈ હોત. જેથી 'વિદ્યુત અને ચુંબકીય ક્ષેત્રો મોજાઓમાં વહન કરે છે અને તેની ઝડપ પ્રકાશની ઝડપ જેટલી હોય છે.' આ બહુમૂલ્યવાન શોધથી આપણે સૌ અજ્ઞાત હોત. આનાથી આપણે સહુ અત્યારે ઉપયોગમાં લેવામાં આવતાં ડિજિટલ ઉપકરણો ગાયબ થઈ જાત. અત્યારે આ વિચારવું જ ભયાનક લાગે છે કારણકે અત્યારે આ ટેકનોલોજી આપણા જીવનની અનન્ય અંગ બની ગઈ છે. સામાન્ય માણસને સ્પર્શી તેવા માપન ક્ષેત્ર એટલે કે ટ્રિપરિમાણીય કે ટ્રિપરિમાણીય પ્રદેશોના માપન (ક્ષેત્રફળ, ધનફળ, પૃષ્ઠફળ) માટે આ વિદ્યાનો ખૂબ જ બહોળા પ્રમાણમાં ઉપયોગ કરવામાં આવે છે. આવા તો સંખ્યાબંધ આવિષ્કારો કલનગણિતને આભારી છે.

૨. યામ ભૂમિતિ (Coordinate Geometry)



વર્ષો પહેલા કિશાની જાણ માટે એકમાત્ર હોકાયંત્રનો ઉપયોગ થતો હતો. કિશાસૂચક ક્ષેત્ર કે જેની મદદથી હાલમાં ખૂબજ અગત્યનો આવિષ્કાર એટલેકે ગ્લોબલ પોઝિશનિંગ સિસ્ટમ એ યામ ભૂમિતિના જ્ઞાન વગર શક્ય નથી. નકશાશાસ્ત્રમાં યામ ભૂમિતિની મદદથી અજ્ઞાંશ અને રેખાંશના ઉપયોગથી પૃથ્વી ઉપરનું કોઈપણ સ્થાન સુનિશ્ચિત કરી શકાય છે. ભોતિકશાસ્ત્ર, ઈજનેરી શાખા કે કોમ્પ્યુટર ગ્રાફિક્સ વગેરે જેવા વિવિધ ક્ષેત્રોમાં યામ ભૂમિતિનો ઉપયોગ અતુલ્ય છે.

૩. ત્રિકોણમિતિ (Trigonometry)



કાટકોણ ત્રિકોણની બાજુઓના ગુણોત્તર એ તેની બાજુથી બનતા ખૂણા વચ્ચેના સાવ સામાન્ય લાગે તેવા સંબંધ એ ગણિતનો બહુ વિશિષ્ટ આવિષ્કાર છે. કોઈ સામાન્ય માણસને પૂછવામાં આવે કે 'માઉન્ટ એવરેસ્ટ પર્વત ચઢવા વગર જ તેની કેટલી ઊંચાઈ હશે તે કહી શકાય?' તો જવાબ ના માં પણ મળી શકે. પરંતુ ત્રિકોણમિતિના જ્ઞાનની મદદથી એ મિનિટોમાં કહી શકાય છે. જાણીને નવાઈ લાગશે કે આજની અદ્યતન ટેકનોલોજી એટલે કે ડ્રાયવરલેસ કાર માં પણ કોઈ દૂરની વસ્તુની અંતર અને ઊંચાઈ નક્કી કરવામાં માટે પણ ત્રિકોણમિતિનો ઉપયોગ કરવામાં આવે છે.

૪. બીજ ગણિત (Algebra)



લગભગ 3000 વર્ષ જૂની ગણિતની આ વિદ્યા શાખાનું જ્ઞાન એ વિવિધ ક્ષેત્રોમાં ખૂબ જ લાભદાયી નીવડ્યું છે. જેમકે ક્વોન્ટમ મિકેનિક્સ અને સ્ટ્રોંગ થેએરીમાં નોન કમ્યુટેટીવ જોમેટ્રીના વિવિધ ઉપયોગો અરૂપ બીજગણિત ને આભારી છે. આજના યુગમાં, તમને જો એમ કહેવામાં આવે કે ઓનલાઈન વપરાતા સર્ચ એન્જિન આદૃશ્ય થઈ જાય તો શું થાય? આ વિચાર માત્ર જ લોકોને દુઃસ્વપ્ન બરાબર લાગે. પરંતુ તમે જાણો છો કે આ બધા જ સર્ચ એન્જિન જેના કારણે કાર્ય કરી રહ્યા છે તે 'પેજ વન અલ્ગોરિથમ, સુરેષ બીજગણિતની સિદ્ધાંતો પર આધારિત છે.

૫. ગાણિતિક પ્રતિકૃતિવિદ્યા / મોડલિંગ (Mathematical Modelling)



આપણે કદી વિચાર્યું છે કે 400 વર્ષ પહેલા શોધાયેલુ આ શાસ્ત્ર જો અસ્તિત્વમાં ન હોત તો શું થાત? સૌ પ્રથમ તો મકવેલે આપેલા સમીકરણોની શોધ ન થઈ હોત. જેથી 'વિદ્યુત અને ચુંબકીય ક્ષેત્રો મોજાઓમાં વહન કરે છે અને તેની ઝડપ પ્રકાશની ઝડપ જેટલી હોય છે.' આ બહુમૂલ્યવાન શોધથી આપણે સૌ અજ્ઞાત હોત. આનાથી આપણે સહુ અત્યારે ઉપયોગમાં લેવામાં આવતાં ડિજિટલ ઉપકરણો ગાયબ થઈ જાત. અત્યારે આ વિચારવું જ ભયાનક લાગે છે કારણકે અત્યારે આ ટેકનોલોજી આપણા જીવનની અનન્ય અંગ બની ગઈ છે. સામાન્ય માણસને સ્પર્શી તેવા માપન ક્ષેત્ર એટલે કે ટ્રિપરિમાણીય કે ટ્રિપરિમાણીય પ્રદેશોના માપન (ક્ષેત્રફળ, ધનફળ, પૃષ્ઠફળ) માટે આ વિદ્યાનો ખૂબ જ બહોળા પ્રમાણમાં ઉપયોગ કરવામાં આવે છે. આવા તો સંખ્યાબંધ આવિષ્કારો કલનગણિતને આભારી છે.

૬. વિકલ સમીકરણો (Differential Equations)



વિકલ સમીકરણ એ એક એવું સમીકરણ છે કે જેમાં અજ્ઞાત વિધેય અને તેના વિકલનો સંકળાયેલા હોય છે અને જે જ્ઞાત વિધેય, તે સમીકરણનું સમાધાન કરે તે તેનો ઉકેલ છે. માત્ર વિકલ સમીકરણો ઉકેલ મેળવવાની આ સામાન્ય દેખાતી વિદ્યા કે જેનો ઉપયોગ વિવિધ ક્ષેત્રોમાં બહુ વિશિષ્ટ રીતે થાય છે. ગરમીનું વહન માટેના અગત્યના સિદ્ધાંતો કે જે ગણિતશાસ્ત્રી જોસેફ ફોરિયર દ્વારા વિકસાવવામાં આવ્યા હતા, તે બીજા ક્રમના આંશિક વિકલ સમીકરણ એટલેકે ઉષ્મા સમીકરણ દ્વારા સંચાલિત થાય છે. આ સિદ્ધાંતો પર વરાળ યંત્ર કામ કરી રહ્યું છે. તમને ચોક્કસથી લાગશે કે વિકલ સમીકરણની આવી ઉપલબ્ધીઓ એ આવિષ્કાર સમાન છે.

૭. સંખ્યા શાસ્ત્ર (Number Theory)



ગણિતશાસ્ત્રી સદીઓ જૂની આ અંકગણિત વિદ્યા શાખા, ગણિત તેમજ અન્ય શાખાઓ માટે ખૂબ જ કારગાર નીવડી છે. ગણિતશાસ્ત્રીઓએ સમગ્ર વિજ્ઞાન અને સમગ્ર વિશ્વને એક અદભુત આવિષ્કાર એટલે કે AI ના વિકાસમાં અભૂતપૂર્વ યોગદાન આપવામાં આપ્યું છે. આજના ટેકનોલોજીના સમયમાં કોઈ વ્યક્તિની વ્યક્તિગત માહિતીની ગુપ્તતા અને સુરક્ષિતતા એ ખૂબ જ અનિવાર્ય બાબત બની ચૂકી છે. જેમ કે QR કોડ થી પ્રાપ્ત થતી માહિતી એક મશીનથી બીજા મશીન સુધી મેળવી શકાય છે. આ કિપોગ્રાફી વિદ્યામાં ઉપયોગી એવા અલ્ગોરિથમસ અંકગણિતના જ્ઞાનથી બનાવી શકાય છે.

આમ અંકગણિત વિદ્યા શાખા ની ઉપલબ્ધિઓ અગણિત છે.

PANCHATANTRA AND SOCIO EMOTIONAL LEARNING

Dev Karelia
Semester-1, M.Sc. M.Ed.

Origin of Panchatantra & SEL:

In ancient India, the kingdom of 'Mahilaropya' was ruled by King 'Amarshakti', whose three sons showed little interest in academics. Concerned for their future, the king sought advice from his ministers. The prime minister suggested consulting Pandit Vishnu Sharma, a learned Brahmin. Accepting the challenge, Vishnu Sharma promised to educate the princes within six months, a promise he fulfilled.

The Panchatantra, a collection of stories from this educational endeavor, was created to impart knowledge through narratives. These stories teach children scientific concepts and moral values through characters and their traits. Storytelling has historically been a tool for documentation, exploration, and entertainment. The Indian education system, rooted in the Vedic tradition, emphasizes the guru-shishya relationship, with "Upanishad" meaning "to sit near" the guru. The Panchatantra embodies this tradition, offering lessons in morals, wisdom, and emotional intelligence through engaging fables.

Panchatantra-A unique pedagogical method:

This sentence holds a real essence as one of the Sanskrit shloka goes by,

“काव्यशास्त्रविनोद कालो गच्छति धीमिम ।
व्यसनेन च मूर्खार्णम निद्रिया कल्हेन् वा ॥”

Above shloka translates to:

A Sanskrit shloka states, "The wise spend their time enjoying poetry and scripture, while fools waste theirs on vice, sleep, or quarrels." Vishnu Sharma wrote each chapter relating life values to scriptures, similar to modern educational techniques. He introduced characters like animals and mythical creatures to capture children's attention and curiosity, making abstract concepts relatable. This method ensured emotional investment from learners, integrating values into the narrative and creating a unique pedagogical approach.

LITERATURE, PSYCHOLOGY, AND PSYCHOANALYSIS: A TIMELESS INTERPLAY

Dr. Deepkumar Trivedi

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Literature and psychology, particularly psychoanalysis, have shared a long and productive relationship, both seeking to decode the mysteries of human nature. While literature explores human emotions, desires, and conflicts through narrative and metaphor, psychology approaches these issues through scientific and interpretive frameworks. This dynamic interplay has shaped not only our understanding of literature but also enriched psychological inquiry.

A Shared Foundation: Human Experience and the Unconscious

Both literature and psychology delve into the complexities of human experience. Literature captures the nuances of human emotion and conflict, while psychology seeks to systematize and analyse these

elements. Sigmund Freud's psychoanalytic theories, such as the Oedipus complex, repression, and dream analysis, provided new ways to interpret literary works. For example, Freud's interpretation of Sophocles' Oedipus Rex as a reflection of the Oedipal conflict laid the foundation for psychoanalytic literary criticism. Similarly, Hamlet's internal struggle in Shakespeare's Hamlet can be seen through the lens of Freud's ideas on repressed desires.

Freud's *The Interpretation of Dreams* (1899) proposed that dreams are a "royal road" to the unconscious, influencing critics to view texts as layered, dream-like constructs filled with hidden meanings. Mary Shelley's *Frankenstein* illustrates this idea; Victor Frankenstein's obsession with creating life reflects repressed desires and a deep

fear of mortality, while the monster's rage embodies the id—the primal, instinct-driven part of the psyche.

Freud and Jung: Expanding Psychoanalytic Criticism

Freud's contemporary, Carl Jung, expanded the psychoanalytic framework with his theory of archetypes and the collective unconscious. Jung identified universal symbols, such as the hero and the shadow, that appeared in literature across cultures. Joseph Campbell's *The Hero with a Thousand Faces*, rooted in Jungian thought, has become a key guide for analysing the hero's journey in works from Homer's *Odyssey* to J.K. Rowling's *Harry Potter*.

While Freud laid the groundwork, post-Freudian theorists like Jacques Lacan and Melanie Klein deepened the psychoanalytic connection to literature. Lacan, for instance, reframed Freud's theories through the lens of language, emphasizing the symbolic order and how language shapes the unconscious. Lacan's concept of the "mirror stage," where infants first recognize their reflection and form a sense of self, has influenced literary analysis. In Virginia Woolf's *To the Lighthouse*, Lily Briscoe's struggle with artistic identity mirrors Lacan's ideas of fragmented selves seeking wholeness. Melanie Klein's theories on early childhood and object relations also offer insights into character dynamics. Her focus on envy and emotional dependencies can illuminate works like Emily Brontë's *Wuthering Heights*, where characters' rivalries and intense emotional connections reflect Kleinian dynamics.

Case Study: Dostoevsky's Crime and Punishment

Fyodor Dostoevsky's *Crime and Punishment* is a classic example of literature enriched by psychoanalysis. The protagonist, Raskolnikov, embodies a psychological split—his belief in his right to break moral boundaries clashes with his deep guilt for committing murder. Freud's theory of repression

sheds light on Raskolnikov's internal conflict. His dreams, particularly one where a horse is brutally beaten, symbolize his suppressed guilt and violent impulses. Lacan's concept of the "real," the traumatic truth that disrupts the symbolic order, also applies to Raskolnikov's eventual confession, which represents an attempt to reconcile his fractured psyche.

Modern Literature and Psychoanalysis

In contemporary literature, psychological themes continue to be explored, often with the influence of cognitive and developmental psychology. Toni Morrison's *Beloved* examines the psychological trauma of slavery, with Sethe's haunting by the ghost of her dead child symbolizing unresolved trauma. Kazuo Ishiguro's *The Remains of the Day* similarly engages readers' empathy and explores human motivations through its complex narrative.

Writers such as Franz Kafka and Sylvia Plath have also produced works rich in psychoanalytic themes. Kafka's *The Metamorphosis*, which explores alienation and existential dread, aligns with Freud's theories of the uncanny. Sylvia Plath's *The Bell Jar* reflects the psychological strain of societal expectations on women and provides a poignant exploration of mental illness.

A Timeless Dialogue

The relationship between literature and psychoanalysis remains an area of ongoing exploration. This interdisciplinary dialogue continues to deepen our understanding of both fields, offering rich insights into human emotions, conflicts, and creativity. Whether through Freud's groundbreaking theories, Jung's archetypes, or contemporary cognitive approaches, the convergence of literature and psychology inspires scholars, writers, and readers. This enduring connection enriches our interpretation of texts and reminds us of our shared quest to understand the human mind.



THE FUTURE OF EDUCATION: EXPECTATIONS OF GENERATION BETA

Aayushi Gor

Semester-5, M.A. M.Ed.

The future of education will be shaped by Generation Beta, born after 2012, who are growing up with rapid technological advancements and global challenges. Their expectations for education focus on technology integration, personalized learning, and sustainability.

Generation Beta's familiarity with technology will demand its seamless integration into education. AI will personalize learning experiences, tailoring content to individual needs and providing real-time feedback. VR and AR will create immersive classrooms, making learning engaging and impactful. Gamification will boost motivation and retention through game-like elements.

Personalized learning will become central, with adaptive technologies allowing students to learn at their own pace and focus on their interests and strengths. This approach aims to reduce dropout rates and create meaningful learning experiences aligned with students' aspirations.

Teachers' roles will evolve from knowledge providers to mentors guiding students in critical thinking, creativity, and emotional intelligence. Collaboration with technology will foster essential skills for the modern world. Adapting to Generation Beta's needs will prepare them to thrive in a changing global landscape, fostering critical thinkers and responsible citizens.

IMPORTANCE OF MENTORING IN TEACHER EDUCATION

Ananthakrishnan R
Semester-5, B.Ed.-M.Ed.



Mentoring has ancient roots in both Greek mythology and the Indian education system, where students learned holistically in Gurukuls with mentors (gurus). In homes, grandparents also play a mentoring role. Mentoring is a positive relationship between a more experienced individual (mentor) and a less experienced one (mentee), fostering career knowledge, self-identity, social, and emotional support.

Importance of Mentoring for Prospective Teachers:

Mentoring helps prospective teachers understand institutional culture, rules, and behavior patterns, reducing conflicts and enhancing the teaching-learning process. It provides insights into using pedagogy, instructional materials, and educational gadgets effectively. Mentoring also aids in professional development, ethics, and dealing with diverse academic needs.

Importance of Mentoring for Teacher Educators:

Mentoring keeps teacher educators updated on current educational challenges, enriching their professional development. It prepares them to use ICT tools, handle administrative tasks, and engage in creative problem-solving and research. Mentoring enhances their ability to organize research projects and guide students, making them attentive to societal needs and capable of initiating educational reforms.

SOCIAL MEDIA CONTENT MODERATION

Dhyanish Modi
Semester-1, B.Sc. B.Ed.

In our modern public squares of social media, the debate over content moderation is crucial. These platforms must balance free expression with user safety.

The Evolution of Content Moderation: Initially, social media platforms had minimal restrictions, embracing unrestricted speech. However, with billions of users, they faced pressure to address harassment, misinformation, and illegal content.

Current Moderation Landscape: Today's content moderation targets areas like illegal content, harassment, misinformation, graphic violence, copyright violations, and spam.

Concerns About Overreach: Critics raise concerns about suppression of legitimate speech, ideological bias, and lack of transparency. Automated systems and unclear policies can lead to unjust removals and account suspensions.

Your Voice Matters: As users, our feedback shapes these platforms. By staying engaged and constructive, we help create the digital spaces we desire. Governments are increasingly regulating content moderation, with laws addressing hate speech and misinformation.

FROM CONSTITUTION TO CLASSROOM: SHAPING INDIA'S FUTURE THROUGH EDUCATION

Gitansh Rakesh

Semester-1, B.Ed. M.Ed.



The Kothari Commission's assertion that "India's future is shaped in its classrooms" aligns with the Indian Constitution's core values. Classrooms, including playgrounds and gardens, are environments for holistic growth.

Educational Foundations: The Constitution envisions citizens who think critically, uphold moral values, and promote equality. Education policies outline objectives categorized into Aims, Curricular Goals (C.G.), Competencies, and Learning Outcomes, fostering individuals who embody constitutional ideals.

Aims of Education: Education aims to develop individuals fully, encouraging critical thinking, health, and civic engagement. It prepares students for cultural diversity and economic contributions, similar to how a marathon runner prepares for all aspects of success.

Curricular Goals (C.G.): Curricular objectives translate broad goals into actionable steps. Activities

promoting critical thinking, health, democratic participation, and cultural studies prepare students for real-world challenges.

Competencies: Students develop critical thinking, problem-solving, teamwork, and empathy, crucial for real-world success. These skills enable them to thrive and contribute positively to society.

Learning Outcomes: Learning outcomes measure students' abilities to understand and apply knowledge in real-world situations. They demonstrate students' understanding, connections between concepts, and communication of well-reasoned findings.

Conclusion: Indian classrooms, as envisioned by the Kothari Commission, are transformative spaces realizing constitutional principles. By integrating objectives, goals, competencies, and outcomes, classrooms nurture inclusive, rational citizens, emphasized by policies like NEP 2020. Thus, classrooms are the cornerstone for developing responsible and visionary Indians.

POETRY

1. વંદન IITE

IITE તો છે એક વિદ્યાનું ધામ,
આવી જ્યાં એ ગાંધીનગર ગામ.

ભારતના ભવિષ્યનો જે રક્ષક,
એ તો આપણો ભાવિ શિક્ષક.

સૌ કોઈનું અહીંયા થતું ઘડતર,
જ્ઞાન સાથે અહીં મળતું ગણતર.

પ્રવૃત્તિઓ તો થાય બધી મસ્ત,
ભણતરમાં એ શીખવે છે શિસ્ત.

ટેકનોલોજીને સંસ્કૃતિનો સમન્વય,
વાતાવરણ એવું કે થઈએ તન્મય.

જે જોઈતું હતું એ મળ્યું મને અહીં,
જો IITE ન હોત તો હું ભટકું તહીં.

IITE ને રોજ હું કરું છું વંદન,
એ બનાવનારને આપું અભિનંદન.

-Isha Nangar

Semester-1, M.Sc. M.Ed.

2. શિક્ષક છો તો...

શિક્ષક છો તો સદાબહાર રહો,
સંસ્કારની માવજત કરતા રહો.

વાંચી જ્ઞાનનો દીપ પૂરતાં રહો,
આચરણથી જ્ઞાન રેલાવતા રહો.

બાળકોની ભીતર તે જોતા રહો,
હોય શ્રેષ્ઠ જે બહાર લાવતો રહો.

વાઠ-વિવાઠમાં પડવું ટાળતા રહો,
કામનો સંવાઠ હંમેશા કરતા રહો.

કર્મની કેડીએ ડગ ભરતાં જ રહો,
જ્ઞાનયજ્ઞમાં આહુતિ આપતા રહો.

-Dr. Bhavesh Raval

Associate Professor, CoE-IITE

3. ચાલ મન જીતવા જઈએ

ચાલ મન જીતવા જઈએ

એકમેકને ઓળખવા જઈએ,

ચાલ મન જીતવા જઈએ,

ના અપેક્ષા હોય, ના ઉપેક્ષા,

એકમેકને અવતરવા જઈએ,

ચાલ મન જીતવા જઈએ.

શું સમયના આશ્લેષમાં શીખીએ?

શું સૃષ્ટિના પરિવેશમાં ખીલીએ?

પથ્થરના સંસર્ગમાં વહેતી સરિતા જેમ,

શું સ્વપ્નના અવશેષમાં ઝીલીએ?

એકમેકને આવકારવા જઈએ,

ચાલ મન જીતવા જઈએ.

-Amit Singhala

Assistant Registrar, IITE

POETRY

4. || बस तुम खुश रहो ||

जिंदगी है छोटी, हर पल में खुश रहो |

काम में खुश रहो, आराम में खुश रहो |

आज पनीर नहीं, तो दाल में ही खुश रहो |

आज गाड़ी नहीं, तो पैदल ही खुश रहो |

आज कोई नाराज है, उसके इस अंदाज में तुम खुश रहो |

जिस को देख नहीं सकते, तो उसकी आवाज में खुश रहो |

जिसको पा नहीं सकते, उसकी सोच में खुश रहो |

बीता हुआ कल जा चुका है, उसकी मीठी याद में ही खुश रहो |

आने वाले कल का पता नहीं, बस इंतजार में ही खुश रहो |

हंसता हुआ बीत रहा है पल, इसलिये बस आज में ही खुश रहो |

जिंदगी है छोटीसी, हर पल में खुश रहो |

-Kirit Patil

Semester-1, M.Sc. M.Ed.

5. आ कविता में क्यां लખी છે

આ કવિતા મેં ક્યાં લખી છે

આ કવિતા મેં ક્યાં લખી છે,
આ તો ઈશ્વરની જ પોતાની રચના નઈ?

સહાયનો હાથ મેં ક્યાં લંબાવ્યો છે,
આ તો ઈશ્વરની જ પોતાની મરજી નઈ?

રહીને રાહ દેખાડવાવાળો હું કોણ?
આ તો ઈશ્વરનો જ પોતાનો નક્શો નઈ?

દીન સામે દયા બતાવનારો તુઝી હું કોણ?
આ તો ઈશ્વરનો જ પોતાનો હુકમ નઈ?

ખોબો ખાલી હતો ને મેં તો બસ ભર્યો,
નીર તો એમાં પોતે નિર્માતાનું જ નઈ?

આ કવિતા મેં ક્યાં લખી છે,
આ તો ઈશ્વરની જ પોતાની રચના નઈ?

-Dhruvi Modi

Semester-3, B.A. B.Ed.



ACTIVITIES

1ST NOVEMBER - 30TH NOVEMBER, 2024



November 2024 was a month of vibrant activities at IITE-Gandhinagar. From celebrating cleanliness to exploring creativity, the university's commitment to holistic development was evident. Here's a glimpse of each and every diverse event.

November 7, 2024: Mr. Dhaval's Farewell



The Administrative Assistant at the IITE-Mr Dhaval was bidden a heartfelt farewell wherein his work was acknowledged by the Honourable Vice Chancellor.

November 9, 2024: Cheering Badminton Team



The Hon'ble Vice Chancellor extended his warm greetings and best wishes to the members of the university's Badminton team as they prepared themselves to represent the institution. Prof. R.C. Patel had a brief meeting with the team and encouraged the players to give their best keeping the sportsman spirit in mind.

November 12 & 13, 2024- निपुणता की और



The 30th Teacher's Training Program, held on 12th and 13th November 2024, illuminated the path towards innovative pedagogies. Graced by Dr. Aashish H. Kacha, Managing Director of Shree Swaminarayan Gurukul Gyan Baug International School, the event empowered 60 educators from Gujarat. This training was all about adapting NEP 2020 and giving out a new era of learning, inspiring teachers to ignite young minds.

November 18, 2024 - प्रतिबद्धता



The inaugural function of the 4th Refresher Teacher's Training programme focusing on Pratibaddhata held

on 18th November for Sainik school educators. The training period is about 12 days long, lasting till 4th December. About 100 educators across India have participated to learn innovative teaching practices. IITE is proud to host the 4th Refresher Teachers' Training program, focusing on "Pratibaddhata." From 18th November to 4th December 2024, 100 educators from across India will delve into innovative teaching practices. Graced by esteemed personalities like Prof. R.C. Patel and Mr. Shyam Parekh, this 12-day intensive training aims to empower educators and shape a brighter future for our nation's youth. During the inauguration ceremony, Col. Avesh Pal Singh also added his esteemed presence as the Guest of Honour. His contribution to the field of education and leadership was acknowledged during the ceremony.

November 29 & 30, 2024-निपुणता की और

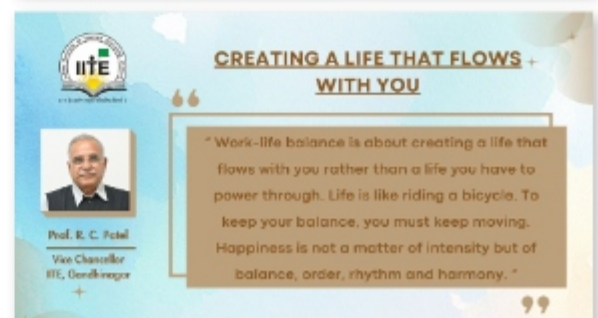
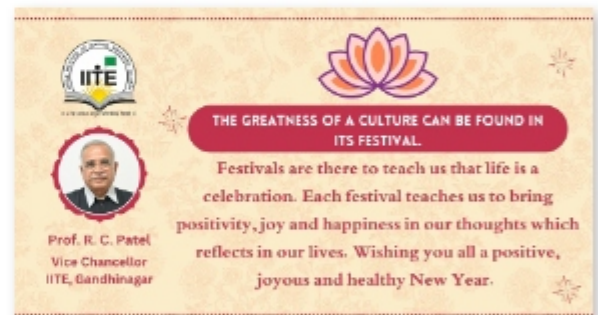


The 33rd Teacher's Training under Government Grant Programme was conducted on the topic, "Climate Change & School Education." Its inaugural ceremony was graced by esteemed dignitaries including the Honourable Vice Chancellor Prof. R.C. Patel, the Chief Guest - Dr. Jayendrasinh Jadav who is the registrar of Gujarat Sahitya Academy. About 45+ teachers across the states of Gujarat and Rajasthan were present for the much needed Climate Change training on simplifying its amalgamation into education.

IITE's Radio Station-Teacher's Tune



November 2024 saw Teacher's Tune light up the airwaves with 8 stellar shows, making weekends unforgettable! Leading the charge were our vibrant RJs: Isha Nangar, Dhatri, Harsha, Niyati, and Janvi. Their energy and charm kept listeners hooked! Adding depth and inspiration, our powerhouse speakers - Dr. Bhadrayu Vachcharajani, Dr. Krunal Panchal, Mr. Vishal Bhadani, and Mr. Bhanuprasad Panchal - delivered insights that struck a chord. Behind the scenes, a big shoutout to Saurav Pandya, the facilitator who kept the show running in a smooth flow.



NEW YEAR, NEW SKILL CHECKLIST



Kickstart a new year on a leaning note. It's the perfect time to choose self growth over unrealistic resolutions. So here's a quick checklist that can help you start an exciting journey of personal development:

- Identify a skill to learn
- Set realistic goals
- Curate a space for new learning
- Find reliable resources
- Practice regularly
- Measure your progress
- Celebrate your achievement