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MECHZINE

GET TO KNOW THE WORLD



A STUDENT
INITIATIVE
TECHNICAL MAGAZINE

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- B.UDAY KRISHNA
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THE EVOLUTION OF TECHNOLOGY IN EDUCATION: ENHANCING LEARNING IN THE DIGITAL AGE

Technology's integration into education has revolutionized learning, offering dynamic and personalized experiences that cater to diverse learning styles. From interactive e-books to online courses and educational apps, students now have unprecedented access to a wealth of information and resources. This shift has democratized education, breaking down barriers of geography and socioeconomic status, and fostering inclusivity and lifelong learning opportunities. Moreover, educators have been empowered to adopt innovative teaching strategies, leveraging technology to create immersive lessons that promote critical thinking, creativity, and collaboration.



However, as technology becomes increasingly pervasive in education, it's crucial to address challenges such as digital equity, privacy concerns, and the balance between digital and traditional learning methods.

By thoughtfully embracing technology while preserving the human element of education, we can ensure that it enhances rather than detracts from the educational experience, shaping the future of learning for generations to come.



STUDENT ARTICLE



- MANIKANTA JONNA
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NAVIGATING THE SHADOWS: UNDERSTANDING DEPRESSION IN YOUTH

*In college halls where dreams take flight,
A silent struggle veiled from sight,
Depression lurks, a shadowed plight,
In hearts that ache, devoid of light.*

*Young minds adorned with stress's weight,
Navigate through uncertain fate,
Amidst the pressures that dictate,
Their journey through this college gate.*

*But hark! Let's break the silence now,
And cast away the shadow's shroud,
For in our hearts, we can allow,
Compassion's flame to brightly vow.*

*Let's normalize the talk of minds,
And shatter stigma's chains that bind,
With empathy, our souls aligned,
A sanctuary for hearts enshrined.*

*Support, a beacon in the night,
With counseling centers, shining bright,
Where strength is found in seeking light,
In battles waged, in courage's flight.*

*So let us stand,
a steadfast band,
United in our outstretched hand,
Together, let us understand,
That in our love, we make a stand.*

*For every voice, both loud and small, Is valued in
this college hall, Where hope resides and shadows
fall, We rise together, one and all.*

FACULTY ARTICLE

EMBRACING YOUR POTENTIAL: OVERCOMING IMPOSTER SYNDROME



- Dr.Md. Hasheer Shaik

Assistant Professor

In the competitive and high-pressure environment of college life, it's not uncommon for students to experience feelings of self-doubt and inadequacy. Despite their accomplishments and abilities, many find themselves plagued by the phenomenon known as Imposter Syndrome. This psychological pattern involves doubting one's skills, talents, and accomplishments, and fearing being exposed as a fraud, despite evidence to the contrary.



Imposter Syndrome, a common challenge among high achievers, brings feelings of inadequacy and fear of failure. To combat it, start by acknowledging its presence. Remember, you're not alone in experiencing these emotions. Seek support from friends, family, or a counselor to gain perspective and encouragement.

Develop self-awareness by reflecting on past successes and the skills you've acquired. Embrace failure as a learning opportunity and reframe setbacks as chances for growth. Supporting others can also affirm your own abilities and foster a sense of belonging.

Prioritize self-care by engaging in activities that nourish your well-being. Surround yourself with positivity and believe in your capabilities. With resilience and self-compassion, you can overcome Imposter Syndrome and realize your full potential.

THE POWER OF STUDENT ACTIVISM: ENGAGING IN CAMPUS AND COMMUNITY ISSUES



K. VEERA VENKATA
PHANINDHRA
Y21ME044



In academia, student activists resonate as powerful agents of change. From environmental sustainability to social justice, their voices echo transformative ideals on campuses worldwide. This article explores the significance of student activism and its profound influence on both campus life and broader communities.

Throughout history, students have led societal transformations, from civil rights movements to recent climate strikes. They spotlight pressing issues, advocate for change, and challenge the status quo, promoting diversity, inclusion, and social justice.

Student activism is driven by a commitment to equity and justice. By organizing protests, marches, and awareness campaigns, students amplify marginalized voices and hold institutions accountable. They foster dialogue and collaboration, engaging with administrators and peers to find common ground and enact meaningful solutions.

Beyond campus boundaries, student activism extends to local communities through volunteerism, advocacy, and civic engagement. Despite challenges and resistance, the rewards are significant, empowering students and effecting tangible change.

In conclusion, student activism embodies the ideals of social justice, equity, and civic responsibility, leaving a lasting impact on society. Let us continue to harness its power for positive transformation as we shape the future.

NAVIGATING STUDENT LOANS: TIPS FOR MANAGING FINANCIAL AID



Dr. G. Kishore Chowdari
Associate Professor

In the journey of pursuing higher education, one aspect that weighs heavily on the minds of many students and their families is the financial burden associated with it. Student loans have become an indispensable tool for funding education, but they also come with their own set of challenges and responsibilities. As students navigate this terrain, understanding how to manage financial aid effectively becomes crucial. In this article, we'll explore some valuable tips for navigating student loans and ensuring a sound financial footing during and after college.

Understanding the Landscape

Before delving into specific tips, it's essential to grasp the broader context of student loans. These loans come in various forms, including federal loans, private loans, and institutional loans. Each type has its own terms, interest rates, and repayment options. Federal loans, for instance, often offer more flexible repayment plans and borrower protections compared to private loans. It's important for students to thoroughly research and understand the terms of the loans they're considering.

Tip 1: Borrow Responsibly

The first tip for managing student loans is to borrow responsibly. While it may be tempting to accept the maximum loan amount offered, it's crucial to borrow only what is necessary to cover educational expenses. Before accepting any loan, students should create a budget outlining their expenses and explore other sources of funding, such as scholarships, grants, and work-study opportunities.

Tip 2: Know Your Repayment Options

Understanding the repayment options available is key to successfully managing student loans. Federal loans typically offer various repayment plans, including standard, income-driven, and graduated repayment plans. These plans differ in terms of monthly payments, repayment duration, and eligibility requirements. Students should explore each option carefully and choose the plan that best aligns with their financial situation and future goals.

Tip 3: Stay Informed About Interest

Interest accrual is a significant aspect of student loans that can impact the total amount repaid over time. It's essential for students to understand how interest works and its implications for repayment. With federal loans, interest rates are fixed, while private loans may have variable rates. By staying informed about interest rates and repayment schedules, students can make informed decisions and potentially save money over the life of the loan.

Tip 4: Make Timely Payments

Timely repayment is crucial for maintaining good financial standing and avoiding penalties. Missing loan payments can result in late fees, damage to credit scores, and even default. Students should prioritize making their loan payments on time each month, setting up automatic payments if possible to avoid forgetting. Additionally, communicating with loan servicers can be beneficial if facing financial difficulties, as they may offer alternative repayment arrangements.

Tip 5: Plan for the Future

Finally, it's essential for students to plan for the future beyond college. As graduation approaches, students should prepare for the transition to repayment by creating a post-graduation budget and exploring employment opportunities. With these tips in mind, students can embark on their educational journey with confidence, knowing that they have the tools to navigate the challenges of student loans successfully.

FROM ENGINEER TO CLOUD MAVERICK: IGOR SOROKA'S AWS CERTIFICATION JOURNEY



IGOR SOROKA

Igor Soroka's shift from mechanical engineering to freelance cloud consulting near Helsinki, Finland, showcases adaptability and continuous learning. His journey, beginning in 2020, led him to specialize in AWS certifications, starting with the AWS Certified Developer – Associate and progressing through various others. Each certification bolstered his skills and reputation as a sought-after consultant. Igor views these certifications not just as badges but as practical tools for mastering best practices and effective communication with clients. His foundational certification, AWS Certified Cloud Practitioner, provides essential knowledge and terminology for advanced certifications. Associate-level certifications, like AWS Certified Solutions Architect – Associate, are crucial for understanding cloud technology nuances, while professional-level certifications, such as AWS Certified Solutions Architect – Professional and AWS Certified DevOps Engineer – Professional, further enhanced his expertise. Igor emphasizes meticulous planning and scheduling for exam preparation, utilizing resources like AWS Skill Builder and Exam Readiness courses. As a member of the AWS Community Builder, Igor shares his insights on platforms like blogs and social media, inspiring others in their cloud computing journeys. His story serves as a testament to the power of continuous learning and strategic pursuit of certifications in the dynamic field of cloud technology..

FUN ZONE

4	1						6	8
6							2	
						5	1	
			2	4		6	9	
3				5				
5		6			9			1
			7			3		
9		2		6	4			
		7	9		8		5	

KNOW A FACT

- Cows have best friends and become stressed when they are separated from them.
- The original name of Bank of America was Bank of Italy. It was founded in San Francisco in 1904 to serve immigrants who were denied service by other banks.
- There are more possible iterations of a game of chess than there are atoms in the known universe. This demonstrates the complexity of the game and the vast number of possible moves and positions.

FIND



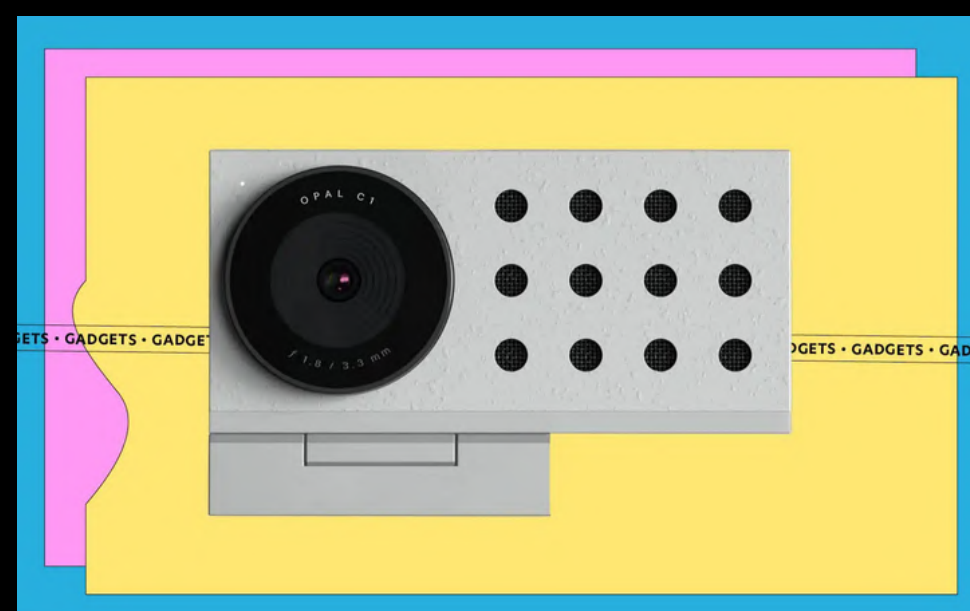
What can be cracked, made, told, and played, but never stopped?

What has a head, a tail, is brown, and has no legs?

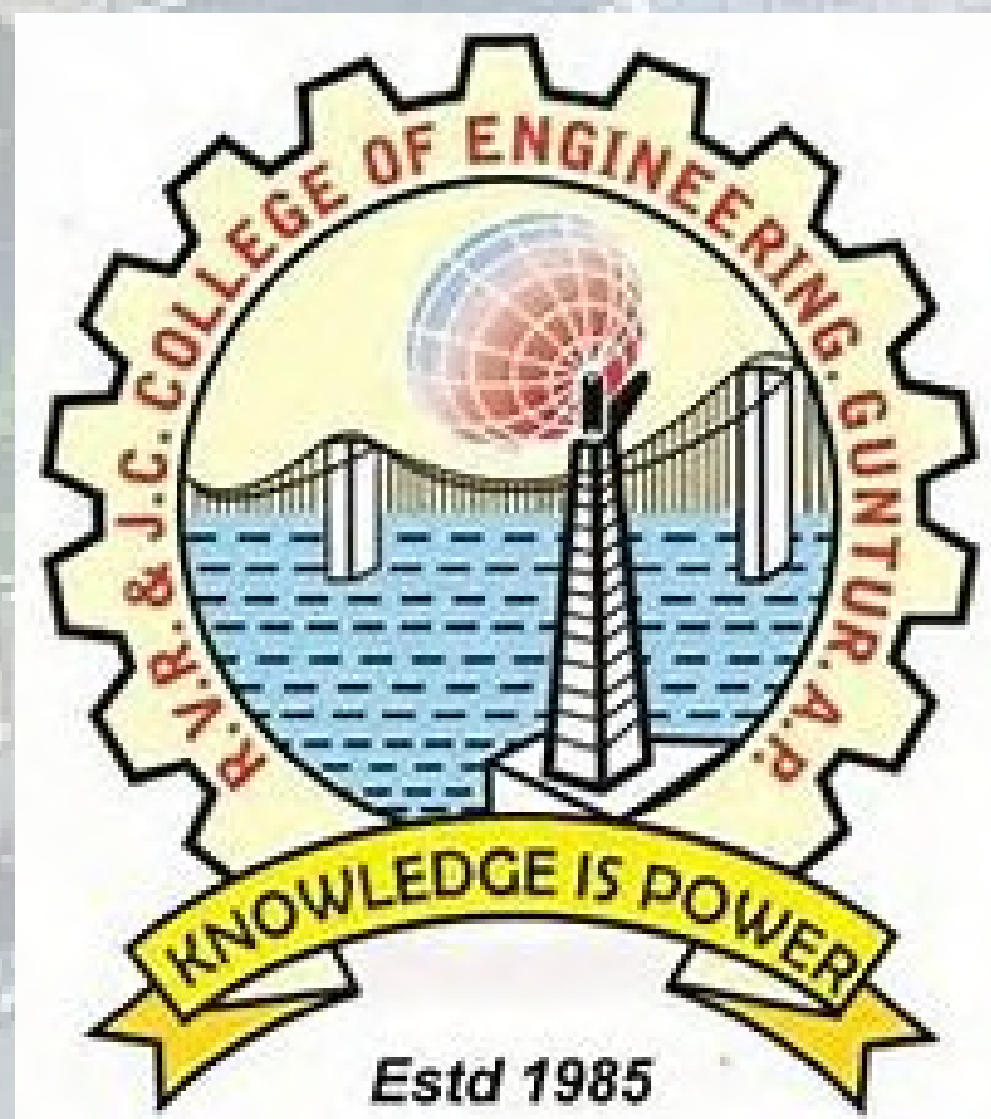
SUCCESS IS SIMPLE.
DO WHAT'S RIGHT,
THE RIGHT WAY,
AT THE RIGHT TIME.

Arnold H. Glasow

KNOW A GADGET



Computational photography relies on software and processing power in order to make camera hardware perform well above its technical capabilities, which is what makes your smartphone camera so good at what it does. The Opal C1 draws heavily on computational photography to apply those same improvements to a webcam. It relies on a smartphone imaging chip previously found in older Google Pixel phones, which stands to reason since the Opal was developed by a former Google designer, Kenny Sweet. Right out of the box, the camera corrects for common issues like heavy backlighting, mixed lighting (which can make you look sickly), and overly contrasty ambient illumination. People can also customize the look they want based on their environment or personal tastes.



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