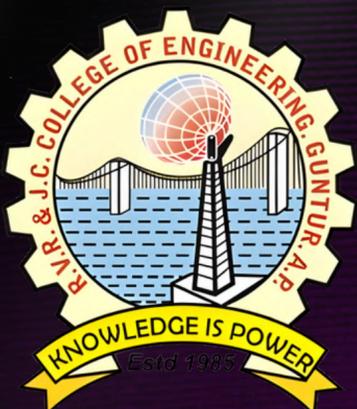


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MECHZINE

UNCALLED STRUGGLE – STUBBORN



A STUDENT
INITIATIVE
TECHNICAL MAGAZINE

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ALUMNI ARTICLE

EXPLORING FOOD JUSTICE: ADDRESSING INEQUITIES IN ACCESS TO NUTRITIOUS FOOD



- B.UDAY KRISHNA
SR.DATA ENGINEER
INFOSYS

In our bustling modern world, food is more than mere sustenance; it's the essence of culture, community, and well-being. Yet, amidst the glitz of supermarkets and trendy eateries, lies a shadow of food insecurity affecting millions worldwide. This article explores the concept of food justice, emphasizing the urgent need to rectify inequities in access to nutritious food.

Food justice goes beyond filling bellies; it envisions a food system that's fair, sustainable, and nourishing for all. At its core is the recognition that access to nutritious food is a basic human right, often denied to marginalized groups due to systemic barriers like poverty and discrimination.



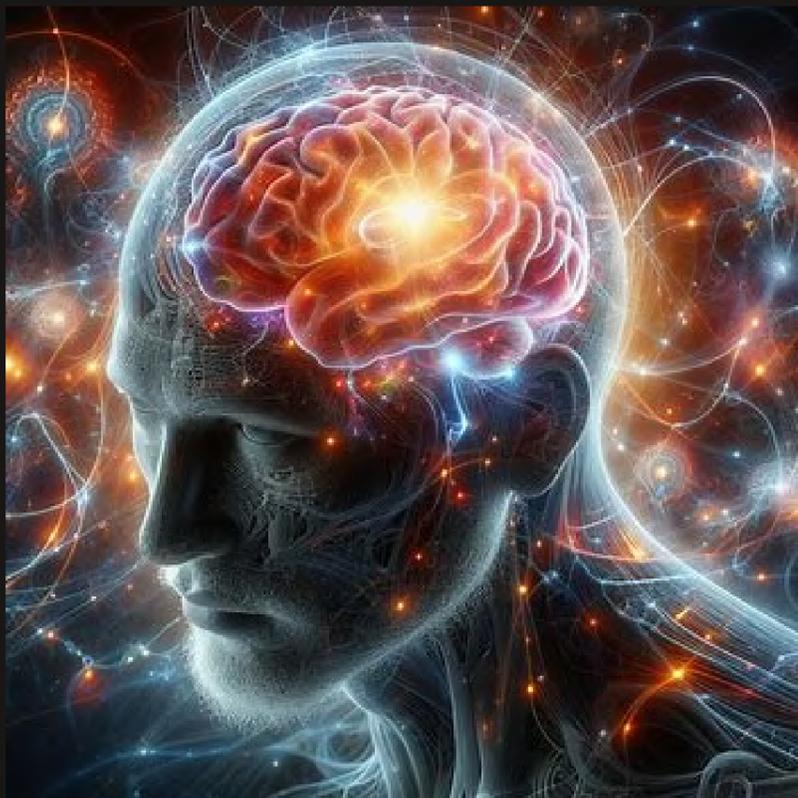
In both urban and rural areas, low-income neighborhoods disproportionately grapple with food deserts, where fresh, healthy food is scarce, and fast-food chains reign supreme. This imbalance fuels health issues like obesity, diabetes, and heart disease, perpetuating cycles of poverty and inequality.

However, amidst this adversity, community gardening and urban agriculture initiatives offer a glimmer of hope. By reclaiming vacant lots and neglected spaces, residents cultivate fresh produce, fostering social bonds and environmental stewardship.



UNRAVELING THE MYSTERIES OF THE HUMAN BRAIN: RECENT DISCOVERIES IN NEUROSCIENCE

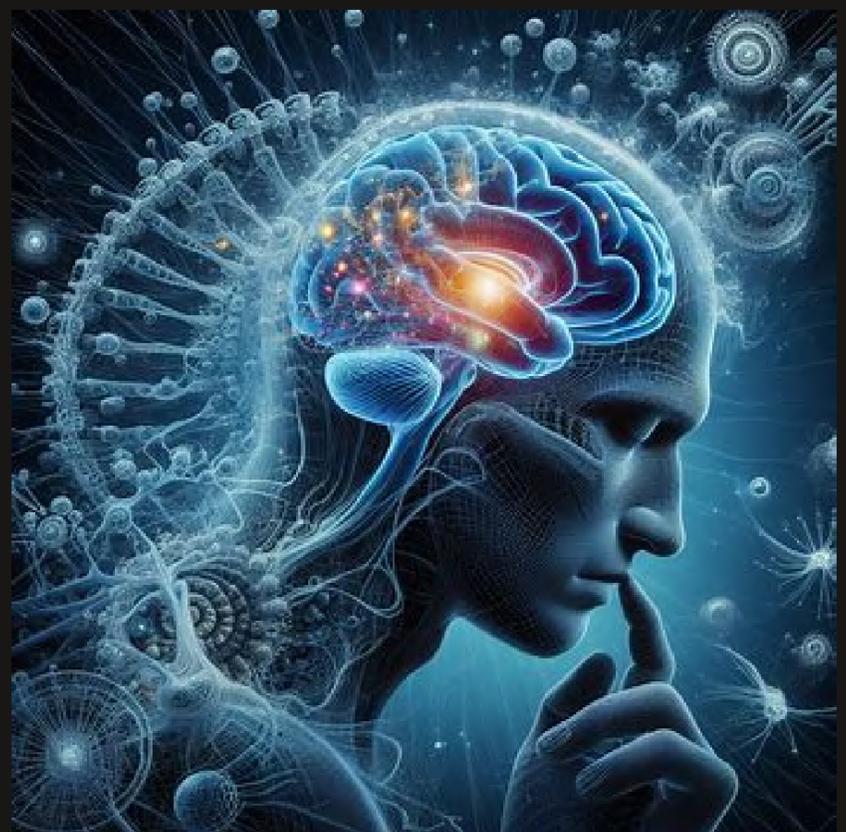
- A.VENKATA PITCHAIAH
Y20ME008



In the tapestry of human understanding, the brain stands as the crown jewel—an enigmatic organ that has fascinated scholars for centuries. From ancient philosophy to modern science, the journey to unravel its complexities has been marked by curiosity and innovation. In this exploration, we delve into the cutting edge of neuroscience, uncovering recent breakthroughs that shed light on the depths of the human mind.

Advancements in technology have revolutionized our ability to study the brain, offering unprecedented precision and detail. Techniques like fMRI and optogenetics provide glimpses into the neural symphony underlying cognition, emotion, and behavior.

At the forefront of neuroscience lies the concept of neuroplasticity—the brain's ability to adapt and rewire throughout life. This discovery challenges the notion of a fixed adult brain and holds promise for education, rehabilitation, and treating neurological disorders.



Beyond its impact on human health, neuroscience is shaping the future of artificial intelligence, inspiring the creation of intelligent machines modeled after the brain's computational principles.

In conclusion, recent advancements in neuroscience have brought us closer to understanding the human brain than ever before. Through interdisciplinary collaboration and technological innovation, we unlock new insights into what it means to be human, paving the way for a brighter future.

THE ART OF RESILIENCE: OVERCOMING ADVERSITY AND BUILDING INNER STRENGTH



- Dr.A.MUDDU
Assistant Professor



Life inevitably brings adversity, testing our resilience and shaking our stability. Yet, amidst trials, we discover the remarkable capacity for resilience—the ability to bounce back, adapt, and grow. In this article, we explore resilience as an active process of self-discovery and growth.

Resilience isn't passive; it's a journey of self-discovery, fueled by inner resources like optimism and perseverance. Key to resilience is reframing adversity as a learning opportunity and embracing challenges with curiosity.

Perspective is crucial; adopting a growth mindset reframes setbacks as temporary. Social support from friends and family provides strength during tough times, while self-care activities like mindfulness nurture emotional well-being.

Resilience empowers proactive steps towards a brighter future. It's a dynamic process shaped by experiences, relationships, and personal growth. As students, let's embrace resilience, drawing on inner strength to pursue our dreams with determination and grace.

STUDENT ARTICLE

UNLOCKING INNOVATION: THE UNCALLED INNOVATORS (UI) REVOLUTION



- Bobby Bindela
Y20ME014

In an era defined by rapid technological advancements and dynamic industry landscapes, the bridge between academia and industry has never been more crucial. Enter Uncalled Innovators (UI), a pioneering platform reshaping the traditional paradigms of collaboration and innovation. As students embark on their educational journeys, UI offers a gateway to real-world problem-solving, igniting a spark of creativity and ingenuity that transcends the confines of the classroom.

At the heart of UI lies a commitment to fostering transformative partnerships between industries and students. By providing a dynamic online space where challenges are met with innovative solutions, UI bridges the gap between theoretical knowledge and practical application. Through collaborative efforts, students gain invaluable hands-on experience while industries benefit from fresh perspectives and cutting-edge ideas. One of UI's flagship offerings is its InfraSeek tool, a precision instrument that empowers users to navigate the intricate landscape of knowledge and equipment requirements with ease. Whether it's conducting research for a project or exploring emerging technologies, InfraSeek equips users with the insights needed to make informed decisions and drive meaningful outcomes. But UI is more than just a platform – it's a community of like-minded individuals united by a passion for innovation and problem-solving. Within the UI Blogs, users share their expertise, insights, and experiences, creating a vibrant hub of knowledge exchange and continuous learning. From technical tutorials to industry insights, the UI Blogs catalyze intellectual growth and collaboration.

Moreover, UI's commitment to excellence extends beyond the virtual realm. Through Innovative Tech Events Coordination, UI organizes hackathons and tech-related gatherings that bring together students, professionals, and industry experts. In a world where the only constant is change, UI stands as a beacon of innovation, guiding students and industries alike toward a future filled with endless possibilities. By embracing collaboration, creativity, and a relentless pursuit of excellence, UI paves the way for a new generation of innovators to leave their mark on the world. As we embark on this journey of discovery and innovation, let us heed the call of the Uncalled Innovators and unlock the potential that lies within each of us. For in the realm of UI, the only limit to what we can achieve is our imagination.



Founder
P.Pardhu



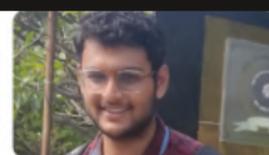
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UNCALLED INNOVATORS- Struggle and Stubborn

Which one could see this new startup with 10 different individual mindsets working on an idea. what is the guarantee that it would succeed?

May this question appears to be fair enough for any other, with the eyes seeking proof of how it would succeed? Yes of course! we should actually we must show but not every time, not in every case. Hey do you think its going to generate revenue by this year?

Are you a fool !! why don't you have a backup plan.. go for some recruitment drive, get a job, you can manage all these even while doing the job. so stop being idiot and start to prepare.

My dear friend how's it being reading the last lines, may be some lines as like in many...

yes we are writing the answers.. and these answers shedding the BLOOD, TEARS, HEARTBREAKS wait... yes we do ! different pains different minds with different situations one appears very simple to other but the not for them. This is how really things move on. Many times we forget that others we deal with also humans ofcourse we need to show some mercy.. some times we must backup the other..

Sometimes we feel something special when you are the only who knows the things that actually run in the sugarcoated society.Unexpected opportunity always given by the god is the only one which actually pushing us to the next day.Knowing that most will not even able to feel a bit of this, but I am here to write my last article.. in MY department's article "THE MECHZINE" there will be always some magic, giving you goosebumps but why ? maybe because if we own it is as ours then definitely it will make you feel so..

There was a question from one " what you have done to college ? " and now here I am, with a piece of advice to all my college mates and members.

"No one stays with you to last, you may not find the people with you today, by tomorrow. So my dear friend take your heart, ready to be as you ! and please dont loose yourself, adjustment is not at all a wrong option but don't loose yourself !!



ZOOM AT EVENT

UDVIKASH- 24 HOUR HACKATHON



The Udvikash Hackathon stands as a dynamic crucible within the ever-evolving landscape of technology and creativity, where brilliant minds converge to ideate, create, and address real-world challenges. Orchestrated by the renowned RVR & JC College of Engineering, in collaboration with its forward-thinking Institution's Innovation Council (IIC), Udvikash brings together a diverse group of individuals armed with unique skills, experiences, and perspectives. This diversity fuels innovation, recognizing that the collision of varied ideas often sparks the most extraordinary innovations.

RVR & JC College of Engineering, known for its groundbreaking ideas, initiated the Udvikash Hackathon with the guidance of its forward-thinking management and the support of the IIC. The IIC, as a facilitator of innovation and entrepreneurship, plays a pivotal role in conducting various activities aimed at nurturing creativity and business acumen among students. It identifies and rewards innovations, organizes workshops and interactions with industry professionals, and establishes networks with peers and national entrepreneurship development organizations. Through these efforts, the IIC fosters an ecosystem that not only promotes innovation but also provides students with real-life industrial challenges and hands-on experience in tackling projects and problems. The institution's Innovation portal serves as a platform for showcasing innovative projects and sharing knowledge, further amplifying the impact of Udvikash and its contributors.



UNCALLED INNOVATORS: In tandem with Udvikash, our students have developed the "UNCALLED INNOVATORS" platform, a student-friendly interface connecting aspiring minds with MSMEs. This initiative aligns with the IIC's mission to organize hackathons, idea competitions, mini-challenges, and other activities involving industries. The overarching goal is to uplift students and empower industries for the greater good of the nation.

Diverse Participation: Participants, driven by fervour and energy, hail from various premium institutes in Hyderabad, Bangalore, Vizag and from different parts of the three states—ANDHRA, TELANGANA, and KARNATAKA—uniting for a spectacular technocratic experience. Enthusiastically, 550 students and 100 teams registered and engaged in the quiz component of the event. The qualifying quiz sifted through teams with robust aptitude and resilient minds, providing a platform for outstanding talents to exhibit their confidence in facing real challenges. This meticulous process culminated in the final fantastic 40, comprising 20 teams from within the institution and 20 external teams, all poised to compete as technological zealots in the ultimate battle of innovation. The collaboration between Udvikash and RVR&JC's IIC symbolizes a holistic approach to fostering innovation and entrepreneurship in the academic realm.



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DREAM IT. WISH IT. DO IT.



KNOW
A
GADGET



HONEY NEVER SPOILS. ARCHAEOLOGISTS HAVE FOUND POTS OF HONEY IN ANCIENT EGYPTIAN TOMBS THAT ARE OVER 3,000 YEARS OLD AND STILL PERFECTLY EDIBLE.

THE SHORTEST WAR IN HISTORY WAS BETWEEN BRITAIN AND ZANZIBAR ON AUGUST 27, 1896. IT LASTED ONLY 38 MINUTES.

FIND



WHAT COMES ONCE IN A MINUTE, TWICE IN A MOMENT, BUT NEVER IN A THOUSAND YEARS?

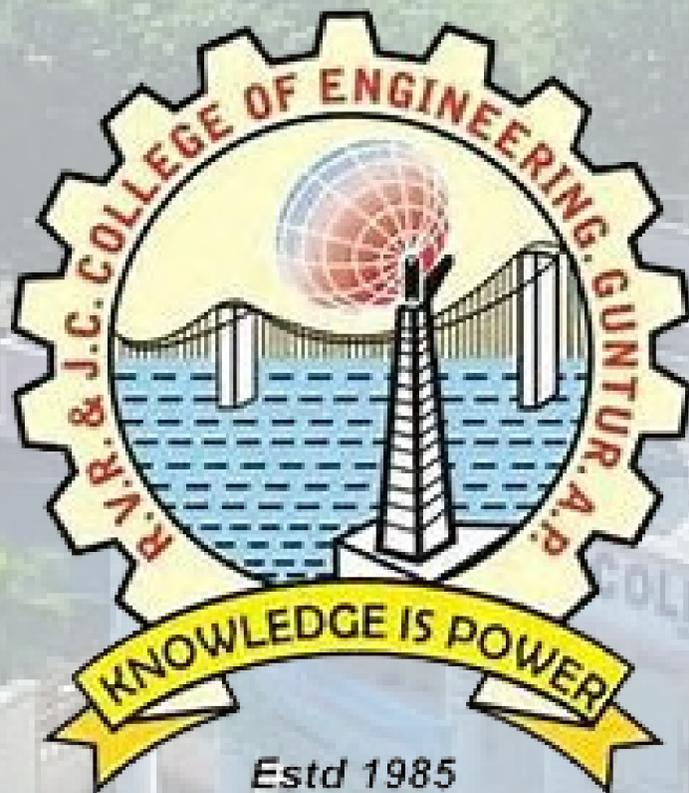
WHAT COMES ONCE IN A MINUTE, TWICE IN A MOMENT, BUT NEVER IN A THOUSAND YEARS?

WHAT HAS KEYS BUT CAN'T OPEN LOCKS?



ANKER PRIME 20K POWER BANK

REMARKABLY, ANKER'S PRIME 20K POWER BANK CAN CHARGE TWO LAPTOPS VIA A PAIR OF FAST USB-C CONNECTORS WITH A MAXIMUM POWER OUTPUT OF 140 WATTS. IT HAS A BATTERY PACK WITH AMPLE CAPACITY AND, RATHER IMPRESSIVELY, A COLOR SCREEN TO HELP YOU KEEP TABS ON THE CHARGING PROCESS. THE ACCESSORY ROCKS A USB-A CONNECTOR, SO YOU CAN SIMULTANEOUSLY CHARGE UP TO THREE DEVICES.



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