

Highlight of the Issue

UNsung HEROES OF SILICON:
Acknowledging our Security Staff



Silicon University



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SLATE

Silicon Language for Arts Technology & Education

Our Vision: "To become a center of excellence in the fields of technical education & research and create responsible citizens"

From the Editor's Desk...

Dear Readers:

Greetings from Silicon University, Odisha !

Now that Silicon Institute of Technology has been granted University status via an Act of the State Legislature, I extend my heartfelt gratitude to all the students, faculty members and staff who were part of this incredible journey.

The main difference between an autonomous college and a university has to do with creation of new knowledge; this is the prime focus of all universities, and adding to the existing body of knowledge via research should be our main mandate.

One of our goals will be to align with international standards and set the bar high, so that we excel in the teaching-learning process and produce quality research. We are currently actively involved in reallocating workforce and setting up infrastructure such that a foundation is laid for a thriving academic environment and a vibrant research ecosystem.

Although we are primarily a technical university, humanities and social sciences are an integral part of any university system. To that end, we will continue to encourage the English, Management and Social Sciences Disciplines to play an active role for the betterment of the university.

Let us all, faculty members, students and staff work diligently across branches and disciplines under the aegis of the University umbrella to make Silicon University a top-tier educational institution in the State. Together we can...

Dr. Jaideep Talukdar

Vice-Chancellor, Silicon University

EDUCATING US

Food and Odia Identity

Food choices have always been symbolic of a culture's major identity. When it comes to Odia cuisine, the dish that is representative, is nothing other than the traditional dish called *Pakhala*, which helps beat the scorching heat of summer.

*When summer's breath grows heavy, and the sun's
gaze lingers too long,
The soul whispers for Pakhala, a symphony of
coolness on the parched tongue.*

Pakhala, or *Pakhalabhata*, is a traditional Odia cuisine consisting of rice that is washed, cooked and fermented. In Odisha's scorching summer heat, all we crave for is *Pakhala bhata*. More than just food, it's a traditional coolant that perfectly cools us down and re-energizes our body. *Pakhala bhata* is a tradition deeply woven into the fabric of Odia culture; it is more like an emotion of each and every Odia.

It's a dish that is consumed especially during the summer, although some people have it throughout the year. *Pakhala bhata* is served with traditional side dishes like *saga bhaja*, *badichura*, *machabhaja*, *aloo-poda*, and various other dishes.

The term "*Pakhala*" is derived from the Pali word "*pakhālitā*" as well as the Sanskrit word "*Prakshālana*", which means "washed/to wash."

Varieties:

Saja Pakhala: Water is added to freshly cooked rice; this doesn't require any fermentation.

Basi Pakhala: The fermentation of rice is done. Water is added to the rice and kept overnight for the rice to ferment.

Dahi Pakhala: It is a classic combination of adding curd to *Pakhala*.



Other than these there also exists *Jeera Pakhala*, *Ada Pakhala*, and the list goes on.

The benefits of *Pakhala Bhata* extend far beyond its refreshing taste. The fermentation process creates a powerhouse of probiotics; the good bacteria promote gut health and aid digestion. In the scorching summer heat, *Pakhala* acts as a natural coolant; its cool consistency and water content provide much-needed hydration and help combat the relentless heat.

March 20 is officially marked as *Pakhala Dibas*, a day to celebrate and promote this traditional dish and make people aware of its nutritional benefits.

Pakhala bhata occupies a special place in the Odia soul. It's a symbol of resilience, a testament to the ability to create something extraordinary from simple ingredients. It is offered to Lord Jagannath during festivals as a gesture of gratitude and a reflection of its deep connection to the land. It's a dish shared with loved ones at family gatherings, fostering a sense of community and shared heritage.

Hence, *Pakhala bhata* is more than just a dish; it's a cool summer treat! It's a refreshing embrace, a delicious tradition, and a reminder that sometimes the simplest solutions are the most profound.

Pratishya Priyadarshni
4th Sem, EEE

HEALTH WATCH

The Silent Killer's Hidden Threat

High blood pressure, often termed hypertension, is a condition that stealthily affects the health of millions globally. It's a pervasive threat that operates incognito, earning it the 'moniker of the silent killer'. Unlike many other health conditions that manifest through a spectrum of symptoms, high blood pressure is insidious, creeping up without a whisper of warning. This absence of symptoms means that many individuals remain blissfully unaware of the ticking time bomb within their arteries.

Consider the story of Jaya, a 54-year-old teacher who led an active life and appeared to be in good health. Yet, during a routine health check, she was shocked to discover her blood pressure readings were alarmingly high. Jaya's narrative is a stark reminder that hypertension does not discriminate; it can affect anyone at any time.

The American Heart Association emphasizes the deceptive nature of high blood pressure, highlighting that it often presents no clear symptoms to signal its presence. It's a condition that develops gradually and is influenced by an array of factors, both controllable and uncontrollable. The inscrutability of high blood pressure is what makes it particularly dangerous; it can be managed but not cured, necessitating a lifelong commitment to vigilance and lifestyle adjustments.

Visuals such as infographics can powerfully convey the silent progression of hypertension and its potential to lead to catastrophic health events if left unchecked. The dire consequences of it includes heart attacks, heart failure, and strokes. These are not distant possibilities, but real risks that loom over those with unmanaged hypertension. It's a condition that doesn't



discriminate, affecting individuals across all walks of life and silently escalating the risk of severe health complications.

The World Health Organization (WHO) underscores the global impact of hypertension, noting that an estimated 1.28 billion adults aged 30–79 years worldwide are affected by it. A staggering 46% of these individuals are unaware of their condition, which is a major cause of premature death globally. The WHO's statistics serve as a clarion call for increased awareness and proactive management of this pervasive health issue.

As we draw this discussion to a close, let us not forget the silent whispers of our bodies. Are we listening? Are we taking the necessary steps to ensure our health does not fall prey to this silent predator? Let's not wait for a wake-up call. Instead, let's schedule that screening, lace up those walking shoes, and choose the apple over the pastry. Together, we can silence the 'silent killer' and write a new narrative of health and longevity for ourselves and future generations. Let this conclusion be a beginning—a spark that ignites a relentless pursuit of health and vitality.

Sneha Sruti Sahu
6th Sem, CSE

FOOD FOR THOUGHT

A Blend of Spirituality & Engineering: The Surya Tilak of Ram Mandir

The Surya Tilak, a celestial phenomenon, enthral both technophiles and devout in the sacrosanct confines of Ayodhya's Ram Mandir. This article explains the complex engineering of the Surya Tilak, a symbol of the amalgamation of modern technology and traditional mysticism.

The Optomechanical Symphony

The optomechanical system, a technical marvel created to capture solar radiation, is the heart of the Surya Tilak. This method depends on a human process to maintain sustainability and endurance without the use of electronics. This mechanism has been meticulously constructed by the Central Building Research Institute (CBRI) in Roorkee, in cooperation with other prestigious institutions.

A Filter for the Divine

An integral component of the system is the infrared filter, ingeniously placed to absorb the heat without diminishing the sanctity of the light. This filter makes sure that the extreme heat, which can harm the idol, is reduced so that the deity is only illuminated by the purest light.

Precision in Light

The Surya Tilak is not just a display of light; it is a structurally well-planned movement of photons. Sunlight is focused into a single beam by a series of mirrors and lenses that are placed carefully inside brass pipes that have been coated with black powder to stop light scattering. This beam, a thin column of light, represents the benefits of the Sun God and is adorned on the forehead of the Ram Lalla deity wearing a tilak.

The Influence of Culture

Although the Surya Tilak at Ram Mandir is a singular feature, it is influenced by a tradition of



comparable technical achievements found in many Indian temples. From Tamil Nadu's Suriyanar Kovil to Andhra Pradesh's Narayanaswamy Temple, every temple has unique methods that let sunlight shine on the gods during favourable times.

The Future of Heritage

The Surya Tilak mechanism, which combines the accuracy of contemporary engineering with the Indian heritage, is an exceptional instance of innovation. In order to ensure that the divine interaction of light and spirituality continues to inspire future generations, it is a celebration of India's capacity to respect its past while embracing the future.

In conclusion, the Surya Tilak of Ram Mandir is a cultural masterpiece that captures the ethos of India's ageless history and its unwavering quest of scientific brilliance. It is more than just a triumph of engineering. It is a story of India's steadfast regard for the sacred, a design marvel, and a symbol of devotion.

Aradhana Dash
4th Sem, CEN

MENTAL HEALTH: Finding the Real ME



“Knowing yourself is the beginning of all wisdom”

– Aristotle

In the hustle of this busy world, we rarely give time to ourselves. Every individual has some deadlines and responsibilities to complete, and society plays a very big role in shaping our day-to-day life activities. We coerce ourselves to try to do every possible thing to be appreciated by others. In this journey we acquire, we attain, we progress, we evolve, but we miss out the essence of ME from our life.

'The hardest challenge is to be yourself in a world where everyone is trying to make you be somebody else.'

Finding the real ME needs to be prioritized; it's an enlightening experience, making one become self-sufficient and confident.

Let's discover ourselves! Try,

- Spending some time alone in a calm, judgment-free zone to contemplate life and what you really want.
- Ask yourself questions about your interests and beliefs. Record your answers to know your core self better.
- Start taking responsibility of your decisions and learn to believe your judgment, try seeing your mistakes as a learning opportunity.

The process of finding the self is not easy, but it's worth it.

Ms. Ritu Chowhan
Counselling Psychologist

MY CYBERSPACE Deep vs Dark Web



The Deep Web is defined as that section of the internet which is not searchable by standard search engines. The Deep Web is not about illegal/illicit content but is home to our password-protected e-mail accounts, paid subscription-based services, net banking, medical records, research papers, private networks, and forums. The content is much more sanitized and protected than the surface web.

The Dark Web on the other hand is that subsection of the Deep Web which is anonymous in terms of users and their locations. Everything is stored in encrypted format, and accessing the content requires special tools, software, and access privileges. Though the Dark Web is mostly known for illegal activities like pornography, drugs, firearms, gambling, etc., it is also used by legitimate parties like whistle-blowers, journalists, and activists who need to be anonymous for safety reasons.

The Dark Web is smaller in size compared to the Deep Web in terms of the number of sites hosted and the volume of traffic. The Dark Web provides anonymity to the users, whereas the Deep Web provides authentication, validation, and exclusive access to contents. Though the Dark Web is a subsection of the Deep Web and shares many common features, they differ in operation, scope, size, access methodology, applications, and security, and needs to be used with caution.

Dr. Sushree Samita Rout
Associate Professor, CSE Dept.

IN CONVERSATION WITH ...

T. Dinesh Varma

Assistant Professor T. Dinesh Varma from the department of EEE is engaged with significant research in the Power Systems and Energy world. Throughout his career, he has broken new ground and stayed committed to



integrated innovation for sustenance. Professor Varma has become an influential figure in shaping the future of energy systems.

Prof. Dinesh's interest in this field started with a deep fascination with the potential of sustainable technology to tackle global energy. His academic interests prompted him to focus on microgrid operations and renewable energy. His work has garnered significant attention recently.

Prof. Dinesh's 2019 paper, "Comprehensive Performance Evaluation of Various Solar PV System Configurations," which was published in the journal IET Renewable Power Generation, is one of his major accomplishments. This research provides crucial insights into enhancing the efficiency of solar energy. With his analysis of different PV system configurations, he offered a roadmap for improving solar power generation, a necessity for sustainable future.

In 2020, he proposed a centralized control system to improve microgrid stability in his study "Real-time Communication in Hybrid Microgrid Systems". By confronting the challenges of real-

time communication in hybrid microgrids, this study provided unique solutions to improve the dependability and effectiveness of these systems. Prof. Dinesh's exploration into "Fuzzy Logic Controlled Power Sharing in DC Microgrids," presented at IEEE ISGT-Europe in 2019, introduced pioneering power-sharing strategies. His work demonstrated how DC microgrid power distribution may be adjusted to create energy networks that are more flexible and robust. His prior research, "Multi-Objective Economic Emission Load Dispatch," established how to optimize energy management approach in a sustainable way. This study provided techniques for reducing emissions and guaranteeing an economical distribution of energy.

Whilst Prof. Dinesh acknowledges his success, he mentions, "It would not have been possible without the support from Silicon University. It's where I started dreaming, and it's here I have reached that dream. Being an alumnus, I'm filled with extreme gratitude for the professors who have guided me along the way and are now here supporting me as I grow."

In this recent interview, he stressed the importance of self-study, consistency, and hard work as the keys to success. He articulately stated, "You could visit a thousand places in search of a river and not be able to touch the water if you do not stretch your arm. It's with you, your efforts, where the story begins." His message for the students is benevolent encouragement to pursue their goals with persistent dedication and an unyielding spirit.

IN CONVERSATION WITH ...

Abhishek Lohia

Abhishek Lohia, Electrical and Electronics Engineering, from the 2021 graduating batch was one among the five students who received the BPUT Gold medal this year. He is currently working in Texas Instruments, Bangalore as a SAP BASIS Administrator (L3). He was interviewed by Ms. Akankshya Sahoo of CSE, 7th Sem.

Akankshya: What motivated you to strive for excellence throughout your undergraduate studies?

Abhishek: The motivation has always come from setbacks which have always pushed me to unknown territories, to find where I fit in and that really helped me a lot to explore myself, and the abundance of opportunities that were unknown.

Akankshya: What specific challenges did you encounter during your B. Tech. program, and how did you overcome them?

Abhishek: Challenges were many, the pressure to finish our college tasks, taking care of our health away from home, or peer pressure to name a few. Gradually, the realization dawned in that it was never about competing with others; it was a self-fight to become sharper and more efficient. Networking with our seniors helped me have a bigger perspective.

Akankshya: What significant projects or research did you undertake during your 4 years of studies?

Abhishek: In my second year, I involved myself in different fields. I became the campus ambassador for some companies, exploring the equity research market and doing internship for brokerage houses too (NISM certified). I participated in various market surveys for Wikipedia, and participated in



various national level quiz competitions. In my final year of engineering, as part of our group project, we developed smart Aeroponics system, using various sensors for smart and efficient plant growth with limited resources.

Akankshya: How did you prioritize tasks and manage your time effectively?

Abhishek: Ever since my school days, I have been driven to do well in everything that I did. I never kept a plan B; it was always about one particular thing, at a time. In Undergraduate days too, I followed the same strategy and the institute library was a haven to be focussed for few hours, rather than the entire day of less efficiency.

Akankshya: How do you stay updated with advancements and trends in your field of study?

Abhishek: I always explored free sources, including YouTube, LinkedIn and discussed with some of the recently graduated seniors on what is trending. I always focus on the 60:40 strategies, the former being college technical subjects and the latter being miscellaneous items. Thank you.

STUDENTS' CORNER

SHE

A girl,
 A mother,
 A wife,
 A sister,
 A woman,
 All roles aren't enough,
 To explain,
 The reasons of their existence.

God has given,
 Such a beauty,
 To earth,
 Not just a human,
 But a life that,
 Creates the world.

But,
 Such a person,
 Who faces,
 The fear of night,
 The fear of love,
 The fear of losing herself.

A day won't suffice,
 The shield of their life,
 People's belief claims,
 It's her fault,
 In every part,
 Where she failed ,
 To believe in herself.
 All She requires,

A bit of happiness and respect,
 The warmth of love,
 And a gentle smile on her face.
 All she needs,
 Is a peaceful life,
 Filled with the values,
 She deserves.

May the day come,
 When people recognize,
 The importance of a woman,
 Not just as a person,
 But as an essential part of life.

Priyanka Rath
 4th Sem, CST

Silence

Amidst moments of
 being in harmony
 together,
 here, or there-
 oceans apart
 watching different
 flocks of bird
 migrating up
 north down south-
 yet keeping
 the compass
 of love
 On each other-
 watching sunsets
 and moonbeams,
 across the latitudes
 of longing

and belonging-
More about making
a part of me-
alive and breathing.

Aslesha Dash
4th Sem, EEE

Yes, I am the Darkness

The end of sunset, I embody,
And the beginning of sunrise, I am.
Of the glory of the Sun and the Moon,
I am the solitary witness, I am told.
Yes, I am the darkness.
Spread across infinite directions,
From this small mind to encompassing the
universe,
That which distinguishes the speed of light,
I am the bitter truth.
Yes, I am the darkness.
I am the absence of light,
I am the gateway to light,
In the two facets of the human heart,
I am one aspect's name.
Yes, I am the darkness.
Yes, I am the darkness.

Shubham Kumar
4th Sem, CSE

Blossoms Turned To Fall

Her charming laughter faded away,
As they left her all alone amidst,
And parted their way,
She whispers, "There's a hope, I'll still pray. "

Her world turned topsy-turvy,
But she still stood strong,
She reflected on positive energy,



Artwork by **Subhalaxmi Panda**
2nd Sem, MCA

And made her life's journey all WORTHY.

She was her own torch bearer,
and learned to SMILE again,
Seeing herself in the mirror,
She relived her life forgetting the fear.

She dreams, she achieves, she INSPIRES,
She lightens every path,
With her courage and fire,
And encouraging everyone to ASPIRE.

Now she stands powerful like a wall,
Knowing this world is a cruel place,
As she couldn't protect her innocent soul,
That's when her BLOSSOMS TURNED TO FALL.

Banshita Sen
4th Sem, CEN

PARTING WORDS

Silicon bid farewell to the 2020 - 2024 B. Tech. graduating batch on 19th May 2024. While the air was heavy with shared emotional memories, our students expressed the following parting words:



Ritish Mohanty, ECE

As I bid adieu to this hallowed institution, a flood of memories rushes in, each moment etched indelibly in my heart. From the first day of stepping into these corridors to the last, this college has been a nurturing home, shaping me into the person I am today. The camaraderie shared with my fellow students, the guidance of our esteemed faculty, and the countless experiences that have moulded our characters – all will be cherished forever. While a tinge of sadness lingers, I am filled with gratitude for the opportunity to serve as your Secretary General. Thank you, dear alma mater, for an incredible journey. This will forever be carved in my heart.

Anubhav Mohanty, CSE

The very first thing I would do is to thank Silicon for making me an engineer and an artist. Throughout the 4 years I have been on multiple journeys like finishing assignments in due dates, having gossips all night long, learning all



night from all my friends and making myself a few families. The best part of my whole 4 year was spent in the music club itself starting from beatboxing to learning multiple instruments and singing, SMC showed me my artistic side.



Namrata Mishra, CST

I am indebted for everything Silicon has given me. I discovered a version of me that I didn't even know existed. Will always cherish beautiful memories that will be etched in my heart for my entire life. I'll always look back to the days of my college that gave me so much love, power, strength to face literally anything in my life. Always a Proud Siliconite.

Monalisha, ECE

There is a dialogue in my favorite web series that says, "I wish we get to know that we are in the good days while we are living it." Silicon taught me that life is not about winning everyday, rather, it is about living every day.

I believe that every part of these building, every teacher, every club I am part of, every event that I managed, every memory I made here will be locked as a core memory for me. This is probably the most happening phase of my life.



Prathama Bhuyan, ECE

Silicon, you have truly nurtured me, instilling confidence and preparing me to face the real world. With the unwavering support of our exceptional teachers, I've grown in ways I could never have imagined.



From working as a content writer to hosting the first podcast of the college, from performing in theatre to taking on the responsibilities of class representative, I have embraced and thrived in every opportunity. Thank you, Silicon, for the unforgettable journey.

department has been the heart of our academic journey. We have navigated through rigorous coursework, countless coding marathons, and sleepless nights debugging our projects. Yet, through it all, we have emerged



stronger, wiser, and more determined. The support of our professors has been invaluable. Thank you Silicon.

Manas Ranjan Padhy, CEN



Words can't define what I have learnt from this campus. Thank you! For giving me multiple opportunities to prove myself. You gave me the opportunity to interview great personalities. This

journey would be incomplete without thanking Publication Cell. Thank you! Meta Academics cell for making me the person I am today I would like to thank my seniors, my juniors and my friends for supporting me in every path I took and a very special thanks to Ashok bhai, Sipu bhai and ABD for giving me beautiful memories to cherish for a lifetime.



Ayeskant Tripathy, CST

SSC had taught me discipline, how to manage the things and filled me with ethics and etiquette. My friend was the real backbone in these four years. Silicon and all the faculty members here have shown me different

path to my life and changed the perspective of watching the things. From the bottom of my heart for one last time, thank you Silicon.

Shouvik Maharana, CSE

This is the university that made a child to grow up. The clubs here made me enhance myself. The Silicon family that I became a part of, the family which cannot be detached from my heart. I love them all. Thank you all.



Abhinav Kar, CSE

I am filled with a sense of nostalgia and gratitude. Our Computer Science and Engineering (CSE)

PROFILE OF AN INSTITUTE

Massachusetts Institute of Technology: An Innovation Hub



Located in Cambridge, a suburb of Boston, Massachusetts Institute of Technology (MIT) is an eternal mark of academic acumen and innovation. Known worldwide for the best of research, ideation and nurturing talents, MIT is the epitome of premier intellectual standards.

The campus is not just a cluster of structures, it is as an environment full of live, welcoming people who think and dream with open eyes. The architecture itself tells a tale of progression from classical to modern history, reflecting the institution's evolution from its founding in 1861 to its current status as a leader in science, technology, and engineering. The Great Dome may be the most recognizable, but the cutting-edge labs where students and researchers work on projects of global consequence are an universe of modernity. MIT incorporates a culture of limitless curiosity - the desire to solve the toughest problems. There is a strong culture of interdisciplinary work and birthplace of many innovations which rise above traditional academic boundaries. Whether it is Robotics, Artificial Intelligence, Sustainable

Energy and Bio Technology, MIT leads the way in every major scientific and technological discovery. For example, the Media Lab is a source of innovation where researchers cross disciplinary boundaries to investigate the relation between technology, multimedia and design, in projects that literally reimagine how we relate to our world.

Aside from the academics, MIT encourages entrepreneurship. Nearby Kendall Square Innovation District thrums with a hive of start-ups and tech behemoths that have ties to the university's research. This collaboration between academia and industry not only fuels the economic growth of a region, but it rapidly aids innovations - making Boston one of the largest global technology and entrepreneurs' hubs.

In addition, MIT's real commitment to the common good is clear in its global endeavour to address issues like climate change, poverty alleviation, and close health inequities. MIT seeks to advance knowledge and educate students in science, technology, and other areas of scholarship that will best serve the nation and the world.

In summary, Boston is a lively city because of its deep legacy for learning and culture.... as is MIT in the seedbed of revolution. It has passion for learning and discovery, integrated with a spirit of entrepreneurship and social responsibility. Looking ahead, MIT will continue its legacy of excellence as a leader and change maker in education, research, and innovation.

Akankhya Sahoo
6th Sem, CSE

ALUMNUS SPEAKS...

Soumya Snehashis

2008 Graduating Batch

In the bustling corridors of the Silicon Institute of Technology, Bhubaneswar where dreams were nurtured and ambitions soared, Soumya Snehashis embarked on a journey that would shape his future in the realm of technology. After graduating in Instrumentation and Electronics Engineering in 2008, his path unfolded through twists and turns, marked by resilience and a relentless pursuit of knowledge.

Reflecting on his campus life, Soumya reminisces about the humble beginnings of Silicon, a nascent institution in its initial stages back in 2004. He said, "When I enrolled in 2004, Silicon University was in its initial days. The campus was devoid of the infrastructure that currently characterizes its prominence, but I am pleased to witness its evolution into the esteemed institution it is today, earning the moniker of Silicon University."

When questioned about his decision to pursue Instrumentation Engineering during an era of rapid technological advancement, Soumya's response reveals a childhood dream. He said, "There was no deliberate for me. If you ask about the inspiration behind my choice, it dates to my childhood aspirations. Since I was young, I dreamt of becoming either a scientist or an aeronautical engineer, albeit those dreams did not materialize. Opting for instrumentation engineering seemed like a path that would bring me closer to understanding the inner workings of machines, thereby keeping a connection to my childhood dreams alive."

Soumya's professional journey has been a testament to his adaptability and determination.



From his early days at Infosys through stints at Exilant Technologies Pvt. Limited and Oracle, each role provided valuable experiences and opportunities for growth. His current position as a Senior Member of Technical Staff at Salesforce, USA, underscores his journey from the corridors of Silicon to the forefront of innovation in Silicon Valley.

In the wake of economic downturns and fluctuating hiring trends, he advises aspiring students saying "In my experience, the market operates in a sinusoidal nature, with its inevitable fluctuations. It is important to acknowledge that these ups and downs are a natural part of the business landscape and are unlikely to cease. My recommendation to students would be to prioritize staying informed about cutting-edge technologies such as Cloud and AI. Continuous learning is the key; never stagnate in your educational journey. Embrace failure as a stepping stone to growth and persist in your pursuit of knowledge."

UNSUNG HEROES OF SILICON: Acknowledging our Security Staff



The 'hierarchy of needs' is one of the best-known motivation theories given by American psychologist Abraham Harold Maslow. It is a five-tier model of human needs starting with physiological needs at the bottom and progressing to safety and security, love and belonging, esteem, and self-actualization. The model emphasizes that fulfilling the lower-tier needs makes us better equipped to achieve higher needs. Here, safety is a primary need that allows us to focus on various goals in work and life.

Silicon prioritizes the safety of its community by employing trained security personnel at all entry and exit points 24x7. Initially operating with ten in-house guards, Silicon expanded its security team by partnering with Maa Tarini Security Services. The team operates in three shifts, ensuring round-the-clock vigilance. Our security staff monitors faculty, students, staff, and visitors movement, both vehicular and on foot, and

maintains entry and exit records. They physically inspect materials entering and leaving the campus throughout the day. Furthermore, they issue campus keys daily to the concerned staff. At night, they patrol the four hostels to prevent ragging or harassment.

During peak periods such as annual events, admissions, and entrance exams, our security staff faces heightened pressure as they remain extra vigilant. An exemplary demonstration of their dedication was seen during the COVID-19 pandemic when Silicon was designated as a vaccination center. Amidst the chaos and rush for vaccines, our guards played a crucial role in facilitating the smooth vaccination of twenty thousand individuals on campus, contributing significantly to India's largest vaccination drive.

Our dedicated security guards stand sentinel over the campus day and night despite the extreme weather. Even during the puja vacation holidays, when the rest of the staff and faculty are away, these unsung heroes remain steadfast in their watch over the campus.

They alleviate our emotional insecurities in this fragmented world by exchanging friendly waves, sharing in our good mornings, and bidding us goodbyes. Their presence truly empowers us to pursue higher objectives in both life and work!

Sweta Mohanty
Assistant Professor, (BSH)

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