

# MONTHLY NEWSLETTER

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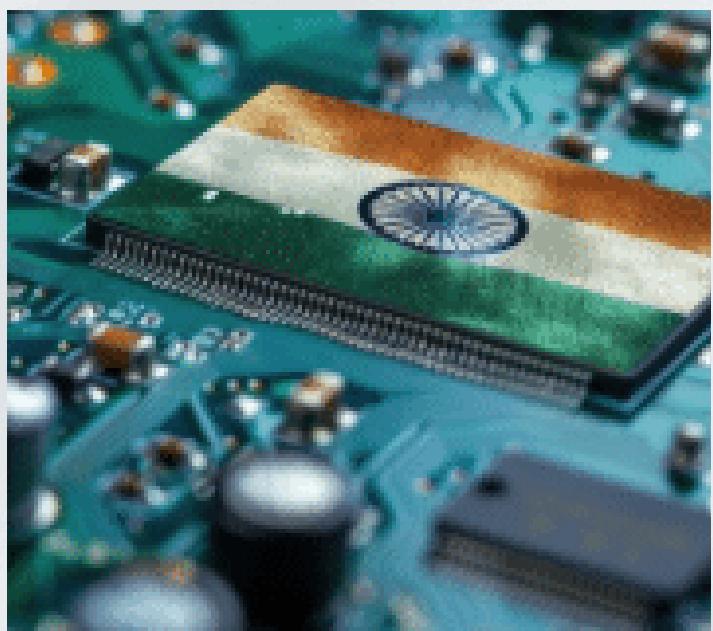
## Careers in Surveillance Tech: More Than Just CCTV

Surveillance technology today is no longer synonymous with a row of static CCTV cameras watching a single entrance. It is a fast-evolving ecosystem that blends electronics hardware, networking, data analytics, computer vision, cloud platforms, cybersecurity and even robotics and drones. For job-seekers and students, that means a far richer set of career paths, from hands-on technicians to AI engineers, privacy specialists, system integrators and product managers.

### TOP NEWS

► **India Semiconductor Units Begin Commercial Chip Production: MeitY Secretary**

**India's semiconductor units mark a milestone as commercial chip production begins across all 10 approved units.**



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# SUB SECTOR OF THE MONTH



## Powering India's Clean Energy Future – Solar & LED Industry Growth and Workforce Opportunities

India's e-mobility and battery ecosystem is entering a decisive growth phase. India's location in the tropical belt gives it vast solar energy potential, with most regions receiving 4–7 kWh/m<sup>2</sup> of solar radiation daily. With over 100 GW of installed solar capacity and more than 184 GW of renewable capacity (excluding large hydro), solar has become India's fastest-growing power source, supporting the national target of 500 GW non-fossil energy by 2030.

Government initiatives such as the PM Surya Ghar Muft Bijli Yojana and the ₹24,000 crore PLI scheme are accelerating rooftop solar adoption and strengthening domestic solar manufacturing. Alongside this, programs like UJALA have transformed LED adoption, driving energy efficiency nationwide.

The clean energy transition is creating significant employment opportunities, with the solar sector alone expected to generate over 17 lakh jobs. ESSCI plays a key role in meeting this demand by offering industry-aligned skilling programs in solar and LED technologies, equipping learners with practical skills for installation, maintenance, and manufacturing, and helping build a future-ready clean energy workforce.

# QUALIFICATION



## Electric Vehicle Service Technician

NSQF/ NCRF Level: 4

QP Type: Qualification ( STT)

QualificationCode: ELE/ASC/Q1429

Sub-Sector: E-Mobility & Battery

Notional Hrs: 720

Category: Future Skill

Course Overview:

1. Perform routine servicing, inspection, and minor repairs of electric and hybrid vehicles across various vehicle categories.
2. Work on electrical, electronic, and mechanical aggregates of EVs and hybrid vehicles.
3. Assist the lead technician in fault identification and diagnosis using standard procedures and tools.
4. Ensure safe, efficient, and reliable vehicle operation in compliance with OEM and workshop standards.
5. Follow prescribed service and maintenance procedures during all service activities.
6. Use appropriate diagnostic tools and equipment for troubleshooting and repairs.
7. Adhere strictly to safety protocols, quality norms, and guidelines while handling high-voltage EV systems.

# EVENTS & INTERACTIONS



## CXO Summit 2025

Mr. Saleem Ahmed, Officiating Head, Electronics Sector Skills Council of India (ESSCI), attended the CXO Summit on 1st December 2025, by Geospatial World, where he engaged with leading industry experts and stakeholders to discuss the rising need for skilled manpower in the rapidly developing Satellite Ecosystem.

The discussions highlighted the critical demand for specialized talent in key areas such as satellite communications, remote sensing, geo-analytics, and space-based services, reinforcing ESSCI's vision of developing a future-ready workforce aligned with India's national space and technology ambitions.

The event concluded with a grand Awards Ceremony, celebrating excellence and innovation within the geospatial and space technology sectors.

The summit also provided a valuable platform for strengthening industry-academia collaboration and exploring partnerships to bridge emerging skill gaps in the space and geospatial domains. Through such engagements, ESSCI continues to play a pivotal role in aligning skilling frameworks with evolving industry requirements, supporting innovation, and contributing to India's growing leadership in the global space ecosystem.

# MEMORANDUM OF UNDERSTANDING



## MoU Exchanged between ESSCI & Skills Oxygen LLP at Geo Smart India

The Electronics Sector Skills Council of India (ESSCI) is pleased to announce the signing of a Memorandum of Understanding (MoU) with Skills Oxygen LLP at GeoSmart India on 2 December 2025, held at Bharat Mandapam, New Delhi. This strategic collaboration represents a significant step towards strengthening skill development initiatives and fostering industry-led training solutions. The partnership aims to enhance workforce readiness by promoting emerging technologies, developing industry-aligned training programs, and creating sustainable employment opportunities for the youth across the country.

Through this MoU, ESSCI and Skills Oxygen LLP will collaborate on capacity building, curriculum development, and knowledge-sharing initiatives, with a strong focus on geospatial technologies, digital transformation, and future-ready skills. By leveraging each other's expertise and industry networks, the partnership seeks to bridge skill gaps, support innovation-driven learning, and contribute to building a skilled talent pool aligned with the evolving needs of India's electronics and technology ecosystem.

# EVENTS & INTERACTIONS



## Panel Discussion | Capacity Building at GeoSmart India 2025

At GeoSmart India 3 December 2025, held at Bharat Mandapam, New Delhi, the Electronics Sector Skills Council of India (ESSCI) actively contributed to the Panel Discussion on Capacity Building, highlighting its commitment to strengthening India's geospatial and digital skills ecosystem.

Mr. Varun Bhatia, Vice President – Projects & Learning Solutions, ESSCI, shared key insights on industry-aligned skilling, emerging technology requirements, and the importance of developing a future-ready workforce. The discussion underscored the need for strong collaboration between industry, academia, and skilling institutions to bridge skill gaps and enable sustainable workforce development in emerging technology domains.

ESSCI's participation reaffirmed its strategic role in advancing national skilling priorities and nurturing talent across critical areas such as geospatial intelligence, satellite systems, and digital infrastructure, empowering youth for the technologies of tomorrow.

# EVENTS & INTERACTIONS



## GeoSmart India 2025

ESSCI participated in GeoSmart India 2-4 December 2025 Exhibition, one of India's premier platforms for geospatial and digital technology innovation, bringing together global industry leaders, policymakers, and technology experts. At the event, Mr. Saleem Ahmad, Office Head, ESSCI, led the delegation and showcased ESSCI's commitment to developing a highly skilled workforce that meets the needs of emerging tech sectors.

The exhibition provided an excellent opportunity for ESSCI to engage with stakeholders from industry, academia, and government, highlighting its role in enabling industry-aligned skilling, certification, and capacity-building initiatives. Under Mr. Ahmad's leadership, ESSCI reinforced its vision of fostering future-ready talent and contributing to India's technology-driven growth and digital transformation.

# EVENTS & INTERACTIONS



## Samsung Innovation Campus 2025

Samsung Innovation Campus (SIC) was privileged to be part of the Convocation Ceremony at Brainware University, Kolkata, on 4 December 2025, graced by the distinguished presence of Prof. (Dr.) Sankar Gangopadhyaya, Vice Chancellor, Brainware University; Mr. Dhruba Mukherjee, General Manager, Samsung; and Mr. Saroj Apato, Vice President, ESSCI.

The ceremony marked an important milestone in reinforcing the synergy between industry and academia, with a shared focus on preparing youth for the demands of a rapidly evolving digital landscape. Such platforms reaffirm the collective commitment to equipping students with cutting-edge technical knowledge, practical exposure, and industry-relevant skills that enhance their career readiness.

Through Samsung Innovation Campus initiatives, learners are empowered with competencies aligned to emerging technologies, enabling them to transition seamlessly from classrooms to the workplace. In collaboration with ESSCI and academic partners, SIC continues to champion innovation, strengthen employability pathways, and nurture a future-ready talent pool that will contribute meaningfully to India's growing digital and technology-driven economy.

# EVENTS & INTERACTIONS



## ESSCI: Shaping Skilled Talent for India-Russia Collaboration

Honoured to participate in the session *People Are the Ultimate Resource: New Opportunities for Labour Migration in the Context of India-Russia Cooperation*, organised on the sidelines of the India-Russia Business Forum at Bharat Mandapam, New Delhi, on 5 December 2025. The session witnessed insightful deliberations on skilling, responsible labour mobility, and emerging pathways for bilateral collaboration—key enablers in aligning talent with evolving industry needs across borders.

The Electronics Sector Skills Council of India (ESSCI) was proudly represented by Mr. Saleem Ahmed, Officiating Head, ESSCI, who shared perspectives from India's skills ecosystem and highlighted how structured migration frameworks, quality training, and mutual recognition of qualifications can create sustainable, win-win outcomes for both workers and employers.

ESSCI remains committed to strengthening India's skilling ecosystem through innovation, strong industry partnerships, and the development of a future-ready workforce.

## EVENTS & INTERACTIONS



### Certificate Distribution Program at L.G. Hope Technical Skill Academy, Ahmedabad

The certificate distribution ceremony was successfully held on 11th December 2025 at L.G. Hope Technical Skill Academy, Ahmedabad, in the esteemed presence of Mr. Saroj Apato, Vice President – Strategic Partnerships, and Mr. Tarkeshwar Mishra, Assistant Manager – Strategic Partnerships. The event celebrated the remarkable achievements of the trainees who have successfully completed their skill development programs, highlighting their dedication, hard work, and readiness to contribute to the industry.

During the ceremony, emphasis was placed on the importance of quality skill development in shaping a future-ready workforce and bridging the gap between education and industry requirements. ESSCI's leadership reaffirmed their commitment to empowering youth with industry-aligned skills, fostering innovation, and creating sustainable employment opportunities. The event also served as an inspiring platform to motivate trainees to continue their learning journey and explore new avenues for professional growth.

# EVENTS & INTERACTIONS



## Samsung Innovation Campus 2025

The Samsung Innovation Campus (SIC) marked a strong and impactful presence at the convocation ceremonies held on 15 December 2025 at two reputed institutions in Visakhapatnam, celebrating the academic achievements of graduating students and reaffirming its commitment to empowering students with industry-aligned, next-generation competencies.

Mr. Saroj Apato, Vice President – Electronics Sector Skills Council of India (ESSCI), attended both ceremonies, highlighting the robust partnership between ESSCI and Samsung Innovation Campus in equipping youth with industry-relevant digital and technical skills. His presence underscored the shared vision of fostering innovation, employability, and sustainable career pathways for students through structured skilling initiatives.

At Vignan College, the convocation was honoured by the presence of ACP Ravi Kiran, whose keynote address inspired students to uphold discipline, integrity, and a strong sense of service while preparing themselves for the evolving demands of the professional world. His words encouraged graduates to remain resilient, socially responsible, and future-ready.

Meanwhile, at DIET University, the convocation ceremony was presided over by Sri Dadi Ratnakar, Hon'ble Chairman, who motivated students to pursue excellence with passion and purpose. He emphasized the importance of innovation, continuous learning, and adaptability in building successful careers in today's rapidly changing technological landscape.

## EVENTS & INTERACTIONS



### Advancing Excellence in Unmanned Aerial Systems | IndiaSkills 2025 Track II

The Electronics Sector Skills Council of India (ESSCI) hosted the IndiaSkills 2025 Track II Competition for Unmanned Aerial Systems on 15 December 2025 at the Prakhar Flying Zone, Madhya Pradesh. This event marked a significant step in India's journey toward the WorldSkills platform, showcasing exceptional technical proficiency, precision, and problem-solving aligned with global WorldSkills standards.

Participants demonstrated industry-relevant competencies through hands-on challenges mapped to international occupational benchmarks, highlighting the importance of experiential, competency-based learning in the Unmanned Aerial Systems domain.

As the national pathway to WorldSkills, IndiaSkills 2025 fosters strong collaboration between academia, industry, and the skilling ecosystem—driving excellence, enhancing global competitiveness, and developing a future-ready workforce in line with the Skill India and Make in India initiatives.

# EVENTS & INTERACTIONS



## IndiaSkills 2025 Track II: Strengthening Global-Standard Competencies in Electronics and RAC

The Electronics Sector Skills Council of India (ESSCI) successfully conducted the IndiaSkills 13 December 2025 Track II Competition for Electronics and Refrigeration and Air Conditioning (RAC) Skills at KIET Group of Institutions, marking an important step in India's progression toward excellence at the WorldSkills platform. The competition reflected high levels of technical proficiency, accuracy, and analytical problem-solving, aligned with globally accepted WorldSkills benchmarks.

Participants undertook rigorous, hands-on technical challenges mapped to international occupational standards, underscoring the critical role of competency-based training and experiential learning in the electronics and RAC sectors. Such competitive platforms serve as effective mechanisms for identifying, nurturing, and preparing high-performing talent for national and international skill competitions.

As the official national pathway to WorldSkills, IndiaSkills—anchored by ESSCI—continues to foster strong collaboration among industry, academia, and the skilling ecosystem. These efforts contribute significantly to enhancing workforce excellence, global competitiveness, and the development of a future-ready talent pool, in alignment with the Skill India and Make in India initiatives.

# EVENTS & INTERACTIONS



## ESSCI at EV Conclave 2025: Building a Future-Ready EV Workforce

Mr. Saleem Ahmed, Officiating Head – ESSCI, participated in the panel discussion on “Building the EV Workforce for the Future” at EV Conclave 22 December 2025, held at the India International Centre, New Delhi. The conclave, themed “Policy Roadmap: Driving Local Content through Academia-Industry Alignment,” served as a vital platform for policymakers, industry leaders, academia, and skilling institutions to engage in meaningful dialogue on strengthening India’s rapidly evolving EV and e-mobility ecosystem.

During the discussion, Mr. Ahmed shared valuable insights on developing a future-ready EV talent pipeline spanning key domains such as battery technologies, power electronics, manufacturing, servicing, and recycling. He emphasized the need for competency-based training, industry-aligned curricular, and continuous upskilling to meet the emerging demands of the EV sector. Highlighting ESSCI’s role in supporting national skilling priorities, he underscored the importance of strong collaboration between industry, academia, and skilling institutions to accelerate job creation, enhance employability, and drive localisation across the EV value chain.

The session reinforced the collective commitment of stakeholders towards building a sustainable, skilled workforce that can support India’s vision for clean mobility, self-reliance, and long-term growth in the electric vehicle sector.

# EVENTS & INTERACTIONS



## Celebrating Young Minds at Memory Jamboree – National Edition 2025

Mr. Saleem Ahmed, Officiating Head – ESSCI, was honoured to attend the Memory Jamboree – National Edition 31 December 2025, as Chief Guest at Karl Huber School, Noida, celebrating the remarkable talent and dedication of India's young memory athletes.

He expressed sincere appreciation to WhiteForest Academy and the organising team for creating a meaningful platform that empowers students to sharpen their cognitive abilities, build confidence, and demonstrate the impact of focused and structured learning.

The event was truly inspiring, with participants showcasing exceptional discipline and passion—proving that with the right techniques and consistent practice, learners can excel at both national and global levels.

Engaging with parents, educators, and champions made the experience even more enriching, offering valuable insights to further strengthen skill development and cognitive sports within India's education ecosystem.

# FOUNDATION DAY



Celebrating 13 glorious years of growth, commitment, and excellence on 19 December 2025—a journey defined by purpose, perseverance, and continuous progress. This proud milestone stands as a testament to the unwavering dedication of our team, whose efforts have consistently driven quality, innovation, and impact.

We extend our sincere gratitude to our partners and stakeholders for their continued trust and collaboration. We look ahead with confidence and renewed commitment, striving to create greater value and achieve shared goals in the years to come.

# EVENTS & INTERACTIONS



The joy of Christmas is best celebrated together. Grateful for the warmth of teamwork, the spirit of camaraderie, and the festive cheer shared at the office, which truly made the celebration meaningful. These moments of togetherness reflect the strength of our collective efforts and the positive work culture we continue to build. Wishing everyone a Merry Christmas and a bright, prosperous year ahead filled with success, good health, and new opportunities.

# MONTHLY CELEBRATIONS



# MONTHLY CELEBRATIONS



**Team ESSCI celebrated monthly  
birthdays with joy and togetherness!**

# WORK ANNIVERSARIES

Celebrating monthly work anniversaries by felicitating employees



Mr . Rishav Kumar Bisht  
Asstt. Manager - Operations , Affiliation & QC  
"Celebrated 3 years at Essci"



Mr . Hemant Singh  
Sr. Manager-Finance & Accounts  
"Celebrated 7 years at Essci"

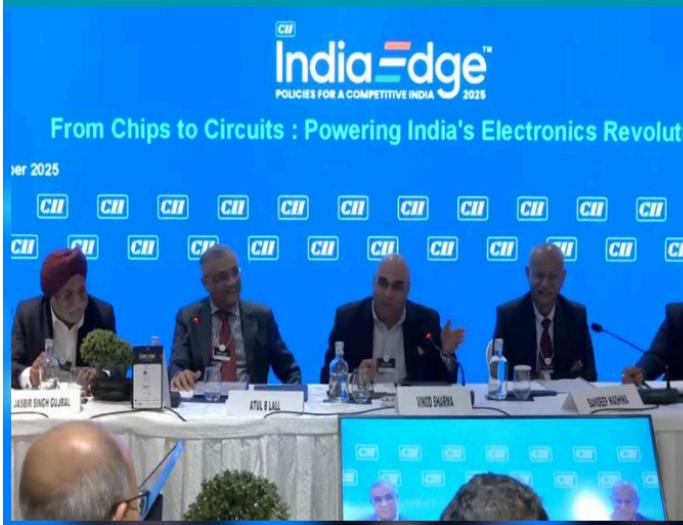


Ms . Gagan Handa  
EA to CEO  
"Celebrated 3 years at Essci"



### HC to launch skill development programmes for prison inmates

The initiative, themed "Empowering Lives Behind Bars, Real Change: The New Paradigm of Correctional Justice," will be formally inaugurated on December 6, 2025, by Chief Justice of India Justice Surya Kant through a virtual ceremony at District Jail, Gurugram.

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### SCI Semiconductors keen to set up GCC in Bengaluru, says M B Patil

Bengaluru: UK-based SCI Semiconductors has expressed interest in establishing its Global Capability Centre (GCC) in Bengaluru. The state government has assured full support for the company's proposed investment and future collaboration. This move is expected to pave the way for the local manufacture of hardware-secured microprocessors essential for computer-security applications, Industries Minister MB Patil said.

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### Industry leaders urge collaboration to leverage India's semiconductor and IP initiatives

In a panel discussion of an event called 'From Chips to Circuits: Powering India's Electronics Revolution' in the national capital, industry leaders' discussion highlighted India's growing focus on semiconductors and the challenges ahead in achieving global competitiveness.

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## Skill development key to Telangana growth: Minister Vivek

HYDERABAD: Labour and Employment Minister G Vivek Venkataswamy on Saturday said that skill development and employment generation were key pillars of the Telangana government's growth strategy.

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## India To Soon Become Semiconductor Exporter Despite Late Start: Amit Shah

Union Home Minister Amit Shah on Thursday said India made a "strong" entry into the semiconductor industry despite joining the sector a little late, and would soon achieve self-reliance and begin exporting chips, the Indian Express reported.

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## Tata Electronics partners with Japan's ROHM for semiconductor chips

Tata is already building the country's first semiconductor fab in Dholera, Gujarat in partnership with PSMC, Taiwan. The other Tata facility coming up in Assam will be an assembly and testing plant.

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