

NEWSLETTER

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Unsung Heroes of Electronics Manufacturing: The Assembly Line Experts

Empowering the skilled hands behind India's electronics revolution the unsung heroes driving quality, precision, and innovation on the factory floor.

Their dedication transforms raw components into world-class products, fueling the nation's growth in technology and manufacturing.

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New National Occupational Standards (NoS) Added



Basics of Semiconductor Manufacturing Process

OEM: SMC Corporation (India)

NSQF/ NCRF Level: 4.5

QP Type: Micro Credentials

Sub-Sector: Semiconductor & Components

Notional Hrs: 30

Category: Future Skill

Course Overview:

1. Basics of Semiconductor Manufacturing
2. Overview of Equipment Operation and Maintenance
3. Introduction of Environmental and Process Control
4. Introduction of Safety and Quality Control
5. Overview of Sustainable Practices in Semiconductor Manufacturing

New National Occupational Standards (NoS) Added



Fundamentals of Cleanroom – Semiconductor

OEM: SMC Corporation (India)
NSQF/ NCRF Level: 4.5
QP Type: Micro Credentials
Sub-Sector: Semiconductor & Components
Notional Hrs: 30
Category: Future Skill

Course Overview:

1. Introduction of Cleanroom Protocols and Standards
2. Overview of Environmental Monitoring and Control
3. Overview of Equipment Operation and Maintenance in Cleanrooms
4. Brief of Contamination Prevention and Risk Mitigation
5. Brief of Safety and Emergency Procedures

For a detailed overview of our offering please visit the link below .

[Qualification link](#)

SUB SECTOR OF THE MONTH



Electronics Manufacturing Services (EMS)

The Electronics Manufacturing Services (EMS) sub-sector forms the backbone of India's electronics value chain, encompassing the assembly, testing, and packaging of components and systems. With rising demand across consumer, automotive, and industrial segments, EMS continues to drive innovation, efficiency, and value addition within the ESDM ecosystem. Supported by government initiatives such as the Electronics Component Manufacturing Scheme (ECMS) and related programs, the sector is advancing local manufacturing, attracting global investments, and generating high-quality employment opportunities.

To strengthen this growth, the Electronics Sector Skills Council of India (ESSCI) has developed a range of NSQF-aligned qualifications focused on EMS operations, process control, and quality management. These competency-based programs equip learners with hands-on technical expertise and industry-relevant skills, enabling a future-ready workforce to meet the evolving needs of India's electronics manufacturing sector.

ESSCI Proposed Qualifications Portfolio for EMS

S. No.	Qualification Title	Qualification Code	NSQF Level
1	Assembly Line Operator (Electronics Modules)	ELE/Q4301	3
2	Electronics Manufacturing Services (EMS) Technician	ELE/Q5315	4
3	PCB Assembly Technician	ELE/Q7804	4
4	Smartphone Assembly Technician	ELE/Q3901	4
5	Industrial safety for semiconductor manufacturing - Electrical	ELE/N1005	5
6	Quality Manager - Electronics	ELE/Q7902	6

Through these programs, ESSCI aims to build a skilled workforce that will strengthen India's position as a global hub for electronics manufacturing services under the various initiative.

 More details: <https://essc-india.org/qualification-packs.php>

 Contact: ashish@essc-india.org

INDIA SKILLS 2025



About IndiaSkills

IndiaSkills Competition is organised by National Skill Development Corporation (NSDC), an apex skill development organisation working under the Ministry of Skill Development and Entrepreneurship (MSDE).

IndiaSkills, the country's biggest skill competition, is designed to demonstrate the highest standards of skilling and offers a platform to young people to showcase their talent at national and international levels.

This year, we at Electronics Sector Skills Council of India (ESSCI) are managing eight skills in the upcoming IndiaSkills 2025 competition:

1. Autonomous Mobile Robotics
2. Electrical Installations
3. Electronics
4. Mechatronics
5. Refrigeration and Air Conditioning
6. Intelligent Security Technology
7. Optoelectronic Technology
8. Unmanned Aerial Systems

These skill categories will witness India's most talented youth competing to demonstrate their innovation, technical expertise, and excellence.

WORLD SKILLS



About WorldSkills

Founded in 1950, WorldSkills is the global hub for skills excellence and development. WorldSkills brings youth, industries, and educators together to give youth the chance to compete, experience, and learn how to become the best in their skill of choice. From the traditional trades to multi-skilled technology careers in the industry and service sectors, supported by partners, industries, governments, volunteers, and educational institutions, WorldSkills' vision is to improve the world through the power of skills.

The upcoming WorldSkills 2026 Competition will be held in Shanghai, China, from 22nd to 27th September 2026, showcasing world-class talent across multiple skill domains.

The WorldSkills Asia 2025 Competition is scheduled to take place in Taipei, Taiwan, from 27th to 29th November 2025. This year, Electronics Sector Skills Council of India (ESSCI) is managing three skills under India's participation at the event:

- Electrical Installations
- Electronics
- Mechatronics

These participants will proudly represent India and showcase their technical excellence at this prestigious continental event.

For more information or any queries related to IndiaSkills or WorldSkills competitions, please contact:

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ALIGNMENT FOR CIRCULARITY E – WASTE



ESSCI Signs a Memorandum of Understanding (MoU) with E [CO] WORK

The Electronics Sector Skills Council of India (ESSCI) signed a Memorandum of Understanding (MoU) with the E-waste Management Sector on 13th October 2025.

This strategic collaboration marks a significant step towards strengthening skill development initiatives in the e-waste management sector, focusing on sustainable waste processing, responsible recycling, and green employment opportunities.

Through this partnership, ESSCI and E [CO] Work aim to design and implement specialized training programs that empower the workforce with essential skills to manage e-waste effectively while promoting environmental sustainability and circular economy practices.

Together, we aspire to contribute to India's vision of a greener, cleaner, and skill-driven future.

This collaboration will also focus on creating inclusive employment opportunities, particularly for youth and marginalized communities, enabling them to gain industry-relevant certifications and contribute meaningfully to the growing green economy.

EVENTS & INTERACTIONS



Launch of NIELIT Digital University (NDU) Platform

The launch of the NIELIT Digital University (NDU) on October 2, 2025, in New Delhi, marks a transformative step in India's journey towards building a digitally empowered society and knowledge economy. The platform aims to make quality digital education accessible to learners across the country, especially in remote and underserved regions, through a robust online ecosystem.

The event also highlighted the government's commitment to fostering skill development and digital literacy in alignment with the Digital India vision. The newly inaugurated NIELIT Centres are expected to play a pivotal role in providing hands-on training, capacity building, and industry-oriented programs to youth in their respective regions.

Representing ESSCI, Mr. Saleem Ahmed appreciated the initiative and reaffirmed ESSCI's commitment to collaborating with national institutions like NIELIT to enhance skill development and promote innovation in the electronics and IT sectors.

EVENTS & INTERACTIONS



Kaushal Deeksha Samaroh 2025

The Hon'ble Prime Minister of India, Shri Narendra Modi, graced the Kaushal Deekshant Samaroh (Skill Convocation Ceremony) 2025, organized by MSDE at Vigyan Bhawan, New Delhi, on October 4, 2025.

The event also saw the presence of key dignitaries, including Shri Jayant Chaudhary, Shri Nitish Kumar, and Shri Jual Oram (virtually). Highlighting the importance of skill development, the Prime Minister emphasized that ITIs are the cornerstone workshops of a self-reliant (Aatmanirbhar) Bharat.

Mr. Saleem Ahmed, Officiating Head of ESSCI, attended the ceremony and appreciated the government's efforts to empower youth through skill-based education, reaffirming ESSCI's commitment to advancing the national skilling mission.

EVENTS & INTERACTIONS



Launch of Skill Certification Program for AC Technicians at CUC Bhiwadi

We are pleased to announce the successful inauguration of a Skill Training Centre by the Electronics Sector Skills Council of India (ESSCI), in collaboration with the Refrigeration & Air-conditioning Servicing Sector Society (RASSS), on October 6, 2025.

The event also marked the launch of a pilot Skill Certification Program for AC Technicians, designed to enhance technical expertise in the Cooling and Electronics sectors.

The program commenced with an Awareness & Participation Session, followed by the Certification Program, witnessing active engagement from technicians, trainers, and industry representatives.

Representatives from the Ozone Cell, Ministry of Environment, Forest and Climate Change, graced the occasion, emphasizing the need for sustainable and environment-friendly practices in the cooling industry.

This initiative reaffirms ESSCI's commitment to advancing India's skilling ecosystem through strategic collaborations and industry-aligned capacity-building programs.

EVENTS & INTERACTIONS



India Mobile Congress

The Hon'ble Prime Minister of India, Shri Narendra Modi, graced the India Mobile Congress 2025, held at Yashobhoomi, New Delhi, on 9th October 2025.

Mr. Saleem Ahmed, Officiating Head of the Electronics Sector Skills Council of India (ESSCI), attended the event, which served as a dynamic platform to engage with industry leaders and explore emerging trends in 5G, Artificial Intelligence (AI), and digital innovation shaping India's technological landscape.

His participation underscored ESSCI's continued commitment to aligning skill development initiatives with the fast-evolving digital and telecommunications sectors. During the event, Mr. Ahmed interacted with key stakeholders to identify collaborative opportunities aimed at enhancing workforce capabilities in areas such as 5G deployment, IoT applications, and advanced electronics manufacturing.

ESSCI marked its active presence at the India Mobile Congress 2025, engaging with innovators, policymakers, and global experts to drive India's digital transformation and build a future-ready, skilled workforce for the nation's growing digital economy.

EVENTS & INTERACTIONS



ESSCI & NSN Host Panel on Skills, Education, and Opportunities in the Electronics Industry

Mr. Rajeev Kumar, AGM, along with 8 students and 6 trainers from the Electronics Sector Skills Council of India (ESSCI), received an award from the Association of Voluntary Agencies for Rural Development (AWARD) on 13th October 2025 in New Delhi for their remarkable contributions to skill development and capacity building.

This recognition highlighted ESSCI's ongoing efforts to foster talent, enhance employability, and drive sustainable growth through skill-based learning initiatives.

We believe this recognition has further encouraged skill-based empowerment at the grassroots level and played a vital role in realizing the vision of "Viksit Rural Bharat." We were deeply honored that Shri Satyanarayan Jatiya, Ex-Cabinet Minister, Government of India, presented the award, celebrating ESSCI's commitment to building a skilled, inclusive, and empowered rural India.

EVENTS & INTERACTIONS



Samsung Solve For Tomorrow

Team ESSCI had the privilege of attending the Grand Finale of Samsung Solve for Tomorrow, the company's flagship CSR initiative, held on 29 October. As a proud partner of Samsung CSR, we were truly inspired to witness young innovators present groundbreaking, tech-driven solutions to address some of India's most pressing challenges.

In collaboration with FITT-IIT Delhi, the United Nations, MEITY Startup Hub, Startup India (DPIIT), Office of the PSA, and AIM NITI Aayog, this initiative continues to empower youth to build an inclusive and innovation-led future for the nation.

This year's key themes included:

1. AI for a Safer, Smarter, and Inclusive Bharat
2. Future of Health, Hygiene, and Wellbeing in India
3. Environmental Sustainability through Technology
4. Social Change through Sport and Technology for Better Futures

Heartiest congratulations to all the young solvers and winning teams for their creativity, passion, and contribution to India's innovation journey!

EVENTS & INTERACTIONS



Global Leaders Meet on ITAD & WEEE 2025

Mr. Saleem Ahmed, Officiating Head, Electronics Sector Skills Council of India (ESSCI), attended the Global Leaders Meet on ITAD & WEEE 2025 held on 30th October 2025 at The Leela Ambience Convention Hotel, New Delhi.

The deliberations centered around circularity, with a special session exploring how behavioral science, cultural norms, and consumer psychology drive the transition toward sustainable practices. The discussions highlighted strategies to bridge the intention–action gap, design products for reuse and longevity, and leverage effective communication and policy alignment to promote sustainable habits.

The event also emphasized the importance of cross-sector collaboration in achieving large-scale environmental and economic impact.

DIWALI CELEBRATIONS



Team ESSCI celebrated Diwali with great enthusiasm, marked by a traditional Diwali Puja and a scrumptious festive lunch at the office. Everyone embraced the spirit of the occasion by donning elegant traditional attire, reflecting warmth, togetherness, and joy. Happy Diwali.



MONTHLY CELEBRATIONS



Team ESSCI celebrated monthly birthdays
with joy and togetherness!

WORK ANNIVERSARIES

Celebrating monthly work anniversaries
by felicitating employees





Jio launches safety-first JioBharat phones and AI Classroom course at India Mobile Congress 2025

Jio unveiled its new range of JioBharat Phones at the India Mobile Congress (IMC) 2025, featuring safety-first capabilities aimed at children, women, and the elderly. The telecom giant also announced the launch of Jio AI Classroom, a free foundation course powered by JioPC, designed to teach students the basics of artificial intelligence (AI).

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Karnataka Skill Development Policy recommends strengthening of ITIs, GTTCs and German language training

Karnataka Skill Development Policy 2025-32, recently approved by the Cabinet, has recommended the strengthening of Industrial Training Institutes (ITIs), Government Tool Room & Training Centres (GTTCs), and Karnataka German Technical Training Institutes (KGTITs) and German language training for its students to enhance their employability in global markets

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PM Modi inaugurates skill centre in Gadchiroli

Mumbai: Mahindra Tractors has established a Skill Development Centre at Government ITI college in the Gadchiroli district of Maharashtra, in partnership with the Department of Vocational Education & Training (DVET), and the Maharashtra State Skill Development Society (MSSDS) to advance India's rural skilling and economic growth.

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LG, Samsung Bet Big On India For Next-Gen Semiconductor Chip Innovation

The Indian semiconductor market is projected to reach \$100 billion by 2030, fueled by domestic demand and investments from global players like Micron Technology.

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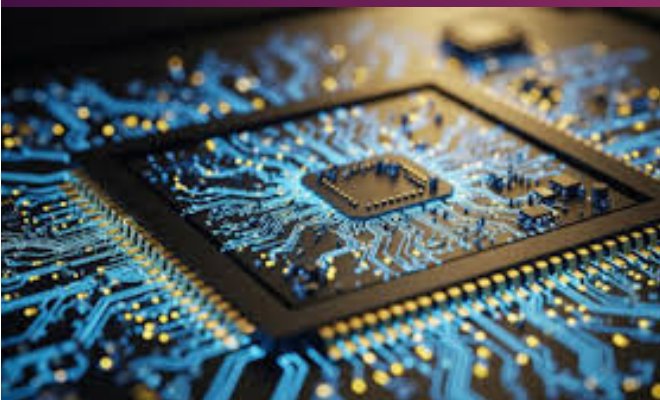
SIndia-Philippines: Skill Development & Labour Mobility

New Delhi, Oct 21 (PTI) Union Minister Jayant Chaudhary is leading a high-level delegation to the Philippines from October 20-22 for fostering knowledge exchange and sharing best practices in areas related to skill development, labour mobility and data-driven policy frameworks

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Govt approves 7 projects worth ₹5,532 cr under ECMS, to create 5,000 jobs

Seven new projects worth Rs 5,532 crore have been approved under the Electronics Component Manufacturing Scheme (ECMS), marking another major step in India's growing electronics manufacturing industry.

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