

Proceedings

Workshop on Capacity Building for Skill Development in Electronics System Design and Manufacturing (ESDM) Sector.

Organized by

U. P. Electronics Corporation Limited
(State Implementing Agency for Uttar Pradesh)

In association with

National Institute of Electronics & Information Technology (NIELIT) and Department of Electronics & Information Technology (DeitY), Ministry of Communication & Information Technology, Government of India.

Date of Workshop: on Wednesday dated 19-11-2014.

Venue: Hotel Vivanta by Taj, Gomti Nagar, Lucknow.

Proceedings:

The Department of Electronics & Information Technology (DeitY), Ministry of Communication & Information Technology, Government of India launched the 'Scheme for Capacity Building for Skill Development in Electronics System Design and Manufacturing (ESDM) Sector.' The objective of this scheme is to provide financial assistance for skill development for youth in Electronics System Design Sector. Under the National Policy on electronics, the objective for human resource development include significant enhancement is availability of skilled manpower in the Electronics Sector Design and Manufacturing.

A workshop on 'Capacity Building for Skill Development in Electronics System Design and Manufacturing (ESDM) Sector', organized jointly by UPLC & NIELIT at Hotel Vivanta by Taj, Gomti Nagar, Lucknow on Wednesday dated 19-11-2014. The Minutes to Minutes workshop timing over as follows:-

1. Registration 09.00 AM to 10.00 AM
2. Inaugural session 10.00 AM to 11.30 AM
3. Tea/Coffee break 11.30 AM to 11.45 AM
4. Presentation by 11.45 AM to 01.45 PM
(NIELIT, TSSC,
ESSCI and open
house discussions)

The workshop was attended by officials from the Department of IT & Electronics, Uttar Pradesh, U. P. Electronics Corporation Limited (State Implementing Agency), NIELIT Headquarter, NIELIT centre, Gorakhpur and

Lucknow, representatives of State Implementing Agencies of Karnataka, Uttarakhand and Jammu & Kashmir, representatives from Telecom Sector Skill Council (TSSC) & Electronics Sector Skill Council of India (ESSCI), Hardware & Electronics Industries, Department of Technical Education, Government of Uttar Pradesh and Academia.

The workshop is divided into three parts:-

1. Inaugural sessions – focused on Industry Expectations and Skill Requirement on Electronics Manufacturing Sector.
2. Skill Training and Capacity Building in the Electronics Sector session comprised the presentations from NIELIT Gorakhpur, TSSC & ESSCI.
3. Open House Discussion and Experience Sharing by State Implementing Agencies, NIELIT as PMU, Industries and Academia.

1. Inaugural Session:

Dignitaries on the dais:-

1. Sri Jiwesh Nandan, IAS, Principal Secretary, Department of IT & Electronics, Government of Uttar Pradesh.
2. Sri G. S. Priyadarshi, IAS, Special Secretary, Department of IT & Electronics, Government of Uttar Pradesh and Managing Director, U. P. Electronics Corporation Limited.
3. Dr Ashwini Sharma, Managing Director, National Institute of Electronics & Information Technology (NIELIT).
4. Sri N. K. Mahapatra, Electronics Sector Skill Council of India (ESSCI).
5. Sri Pradeep Jaswani, Director (officiating) Telecom Sector Skill Council (TSSC).

- 1.1 The inaugural session began with the welcome address by the Sri G. S. Priyadarshi, Managing Director, U. P. Electronics Corporation Limited. Managing Director, UPLC, emphasizes advent of Electronic Manufacturing Policy 2014 in the state. Managing Director UPLC informed that the state government is working towards the establishment of Electronic Manufacturing clusters in the state and with new Industries & latest technology coming in the state there shall be a huge demand of skilled resources trained to the particular requirement of Electronic Industry which can be from telecom sector, Automobile sector, health sector, consumer electronics, industrial electronics, IT system and hardware all catering to the Electronic manufacturing. Shri Priyadarshi focused on fill this demand and supply gap in terms of capacity building, skill development, training to trainers, which would cater to the demand of skilled resources and culminated to huge employment generation. Shri Priyadarshi informed that Uttar Pradesh Electronic Manufacturing Policy 2014 has also provisioned to align with UP skill development mission along with the skill development

program by DeitY, GOI. Further, he said that this workshop shall be focusing upon the identification of the students, alignment with the UPSDM, formulation of the nomination process in association with employment offices, the demand-supply gap and association of skilled resources with respect to Electronic Manufacturing clusters being established in the state. The last but not the least, this workshop is to devise a process for employment of technically skilled resources post training & capacity building.

- 1.2 Shri N. K. Mahopatra, Chief Executive Officer, Electronics Sector Skill Council of India (ESSCI) express aloud the introduction of ESSCI. It revealed from his enunciation that Electronics Sector Skill Council of India (ESSCI) is promoted by six Electronics Industry Associations like ELCINA, IESA, CEAMA, MAIT, ELCOMA and IPCA and finically supported by National Skill Development Corporation (NSDC). Shri Mahopatra shared the Objective of ESSCI i.e. **ESSCI brings together all the stakeholders – industry, labour & the academia, for the common purpose of workforce development of Electronic sectors** and Mission of ESSCI i.e. **To establish a structured mechanism with NSDC in strengthening the existing vocational education system and to upgrade industry oriented training system for achieving global standards.** Shri Mahopatra informed that Gap between supply, demand of well-trained employee is huge and it is growing and by 2020, Electronics imports may far exceed oil imports. This will not work well for our countries economic in the long term.
- 1.3 Shri Pradeep Jaswani, Director (Officiating), Telecom Sector Skill Council (TSSC), spoke that TSSC is Certifying Agency for Telecom Sector Courses and promoted by Cellular Operators Association of India (COAI), Indian Cellular Association (ICA), Telecom Centres of Excellence (TCOE India) and NSDC. The telecom service providers like Airtel-Bharati, iDea, Vodafone, Reliance Communications and Mobile OEMs viz Nokia, Samsung and Siemens are founding members of TSSC. Shri Jaswani share the Mission and Objective of TSSC i.e. **(i) 25000 trainers to be trained in Telecom Sector, (ii) Develop National Occupational Standards for all job roles, (iii) Facilitate setting up 500 training centres nationwide and (iv) TSSC is Partner with 200 industry members.** Shri Jaswani articulated the brief of National Occupational Standards.
- 1.4 Dr Ashwini Kumar Sharma, MD NIELIT, in his presentation conveyed about vast network of NIELIT accredited centers spreading PAN India. He informed that NIELIT preferred agency for Capacity Building in IECT and also for rolling out IT Literacy programs. He shared with the illustrious

audience the pioneering work done by NIELIT in the field of Computer literacy in the entire country. Dr Sharms elaborated skill required in core electronics verticals like Avionics, LED, Medical Electronics, Solar, Telecom, Railways, Smart Cities, Consumer Electronics, Computer Hardware and Peripherals, Strategic Electronics and Cyber Electronics. He also emphasizes that around 5 Lakh Cyber Security professionals will required by the year 2020. He talked about “**Digital India Program**” and stated estimated Investment would be 100 Billion USD, Production in ESDM Sector would be 400 Billion USD and Employment expected 20 Million by end of year 2020 and hence “**NET ZERO IMPORT by 2020**” could be achieved. He shared that NIELIT has been nominated as Project Monitoring Unit (PMU) for ESDM Scheme and NIELIT involved in training of IT and ESDM sector since long and they have 52 well designed courses in ESDM under 9 verticals. The NIELIT centers have close links with industry and are fully capable of bringing complete synergy with industry in the courses under ESDM Scheme. As the organization has been involved in examination and certification, therefore, the mechanism of online examination and certification is already well in place. NIELIT is working in the direction of being declared as an Institute of National Importance.

- 1.5 Shri Jivesh Nandan, Principal Secretary, Department of Information Technology & Electronics, Government of Uttar Pradesh, expressed his views regarding the Electronic Manufacturing Policy 2014 in the Uttar Pradesh, establishment of Electronics FAB and Electronics Manufacturing clusters. He expressed the ponderosity of Skill Development Mission in Electronics System Design and Manufacturing Sector and scope of ESDM in the current and future market and stated that since the Electronics market is expanding so servicing in this sector must be put in place. He talked about lower number of aspirants allocated to the state. He said that Uttar Pradesh is big state and densely populated therefore the allotted quota of 15,000 beneficiaries is not sufficient for Uttar Pradesh. He requested to DietY officers present in Workshop to allocate more number of aspirants for this Scheme keeping in view of large geographical area and population of State. He suggested that the scheme should be linked to employability. The Principal Secretary informed that Memorandum of Understanding (MoU) has been signed between UPLC and Sector Skill Councils (NIELIT, ESSCI and TSSC) separately.
- 1.6 The signed MoU exchanged between UPLC & NIELIT, UPLC & TSSC and UPLC & ESSCI.
- 1.7 The session concluded with a summary of the session and vote of thanks delivered by Shri Praveen Kumar, Dy General Manager, UP Electronics Corporation Limited (UPLC). After this there were three presentation sessions by NIELIT, Gorakhpur, Telecom sector, Electronics Sector.

2. Industry & Sector Skill Councils Session (Skill Training and Capacity Building in the Electronics Sector):

2.1 Sector Skill Council Presentation Session

Dignitaries on the dais:-

1. Sri G. S. Priyadarshi, IAS, Special Secretary, Department of IT & Electronics, Government of Uttar Pradesh and Managing Director, U. P. Electronics Corporation Limited.
2. Dr Ashwini Sharma, Managing Director, National Institute of Electronics & Information Technology (NIELIT).
3. Special Secretary, Department of Information Technology, Government of Jammu & Kashmir
4. Dr. A. Maulishree – CEO, IT Skills Development Society, Karnataka.
5. Shri R.P. Gupta, ESDM In-Charge, Government of Uttarakhand
6. Shri Praveen Kumar, Dy General Manager, UPLC
7. Sri N. K. Mahapatra, Electronics Sector Skill Council of India (ESSCI).
8. Sri Pradeep Jaswani, Director (officiating) Telecom Sector Skill Council (TSSC).

2.1.1 Dr Shamsheer, Director, NIELIT Gorakhpur, Uttar Pradesh elaborated the activities of NIELIT Gorakhpur and Lucknow Centre. He shared the details of accredited institutes in Uttar Pradesh, advanced and basic level courses, their duration pertaining to Electronics and IT Sector. His elocution also focused on Capacity Building for imparting IT / Electronics Literacy and Employability in IECT area. He also shared the infrastructure available at NIELIT Gorakhpur and Lucknow Centre.

2.1.2 Shri N.K. Mohapatra, CEO, ESSCI gave presentation on “Trends in Electronics Industry” covering opportunities in Electronic Sector, Electronic Industry Potential, ESDM industry, Expected Electronics market by 2020, Global Market Trends, ESDM milestones & investments, Sector wise New Investment Proposal Summary, Current market trends, Global market trends, Future market trends & Outlook.

ESSCI presentation also concluded with Benefits of Skill Developments, Bridging Supply Demand Gap, Demand for next 4 years for 25 Top job roles, Assessment Norms & Potential for Employment.

2.1.3 Shri Pradeep Jaswani, Director (Officiating), in his presentation gave an overview of the activities of TSSC. He shared that they

have worked actively on the training of women in the Telecom sector and have tied up with banks too so that loan can be easily made available to women entrepreneurs which will help them establish into their professional life easily. TSSC has a well-designed portal to map the profile of the trainees. 26 occupational standards have been identified and are being implemented with well laid out plans and close monitoring. TSSC has signed 131 MoUs with Telecom Industry and have 151 training partners and 4 assessment bodies.

2.2 Open House Discussions

In this session, delegates of three State Implementing Agency (Karnataka, Jammu & Kashmir and Uttarakhand) for ESDM scheme were shared their practical problems in respect of the ESDM Scheme. Managing Director, NIELIT answered the questions asked by participants in the workshop.

The other officials present in Workshop: -

- Ms Vanita Yadav, NIELIT
- Shri Vishnu Mohan, UPLC
- Shri Shahnawaz Rashid, SEMT, Jammu & Kashmir
- Shri Uday Singh, KPMG, Consultant for UPLC
- Shri Mohit Jain, Consultant for NIELIT

The Workshop ended with a congratulatory note from the UPLC to all those present for the completion of a successful ESDM workshop.