

F. No. PP-II-7/6/2022-DPE
Government of India
Ministry of Finance
Department of Public Enterprises

Block No. 14, CGO Complex,
Lodi Road, New Delhi-110003
Dated the 13th May, 2022

To,

Chief Executives of all CPSEs

Subject:- Courses offered by National Institute of Electronics and Information
Technology, New Delhi - regarding

Sir/Madam,

The undersigned is directed to forward herewith a copy of Director General,
National Institute of Electronics and Information Technology, New Delhi letter no. I-
34012(12)/15/2022-Marketing dated 28th dated 21st April, 2022 on the subject
mentioned above for information and further necessary action.

Encl : As stated

Kailash Bhandari
13/5/22
(Kailash Bhandari)
Deputy Director
Tel : 2436-6247

राष्ट्रीय इलेक्ट्रॉनिकी एवं सूचना प्रौद्योगिकी संस्थान (रा.इ.सू.प्रौ.सं.)
National Institute of Electronics and Information Technology (NIELIT)
(An ISO 9001 : 2008 Certified Organisation)

इलेक्ट्रॉनिकी और सूचना प्रौद्योगिकी मंत्रालय, भारत सरकार
Ministry of Electronics and Information Technology, Government of India

Ref. No. I-34012(12)/15/2022-Marketing

April 28, 2022

Shri Ali Raza Rizvi
Secretary
Department of Public Enterprises
Ministry of Finance, New Delhi

Subject: **Proposal for recognising National Institute of Electronics and Information Technology as a preferred Training Institute– reg.**

Sir,

As you might be aware that National Institute of Electronics and Information Technology (NIELIT), is an autonomous scientific society under the administrative control of Ministry of Electronics and Information Technology (MeitY), Government of India. NIELIT is actively engaged in Capacity Building and Skill Development in the areas of IECT. As on date NIELIT has a Pan-India presence through a network of 44 own centres, more than 800 accredited centres and 5300+ facilitation centres.

2. Inter-alia, NIELIT is also an active resource center for conducting training programs in all the technologies under FutureSkills PRIME program of MeitY-NASSCOM, especially stressing on the Cyber Security, Cyber Forensic, Blockchain, Artificial Intelligence, and IoT domains. NIELIT is also one of the premier Government organization, which has been conducting various kind of Online and Offline assessment and recruitment examination for various Government Departments. NIELIT is a major stakeholder in the Information Security Education and Awareness Program of Ministry of Electronics and IT. NIELIT has setup Cyber Forensics Training cum Investigation Labs in North Eastern states to train stakeholders of criminal justice system.

3. NIELIT as an institution of advanced learning is also a major stakeholder in the Information Security Education and Awareness [ISEA] Program of Ministry of Electronics and IT. NIELIT is well-equipped in the Cyber Security domain to impart capacity building training to the officials and staff of your Department with different job profiles. Participants are provided a balance mixture of theory and practical learning, to become proficient in the related area. NIELIT has also setup a dedicated Virtual Training Environment for imparting training in the field of Cyber and Information Systems Security. NIELIT is one of the premier institutes of the country to have launched its own **Virtual Academy** to broaden the reach of NIELIT among the target audience across the length and breadth of the country. It provides a platform for affordable “**anytime-anywhere**” learning delivered through modern digital technologies.

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4. Taking into consideration of the fore goings, it is requested to consider the Cyber Security courses of NIELIT for the purpose of training of the officials and staff of your organization / Ministry. The detail of the Cyber Security programmes of NIELIT is enclosed at Annexure-I and brochure on NIELIT with other training programme details are enclosed at Annexure-II.

Looking forward to a positive response from your side.

Thanking you

Yours Sincerely



(Dr. Madan Mohan Tripathi)
Director General

Encl: as above

Annexure I**Courses in Cybersecurity/Forensics/Cyber Law**

S.No	Name of Course	Duration (in Hours)
1	Awareness Course in Cyber Security	7
2	Course in Basic Information Security with Hands-On lab	24
3	Course in Penetration Testing Using Metasploit Frame Work	40
4	Information Security – A Practical Approach	40
5	Certification Course in Cyber Security	80
6	Digital Forensic for Novice	80
7	Post Graduate Diploma in Information System Security	840
8	Certificate Course in Penetration Testing	120
9	Certificate Course in Digital Forensic and Incident Response	250
10	Certified Digital Forensic Analyst	450
11	Cyber Law for Beginners	80

Annexure-II

National Institute of Electronics and Information Technology

(ISO 9001:2015 Certified Organisation)

An Autonomous Scientific Society of Ministry of Electronics
and Information Technology, Government of India



EMPOWERING PEOPLE

SERVING THE NATION

NIELIT Bhawan

Plot No. 3, PSP Pocket, Sector-8, Dwarka, New Delhi-110077

☎: 91-11-2530 8300 Call Centre No.:- 011-25308303 ✉: contact@nielit.gov.in

About NIELIT

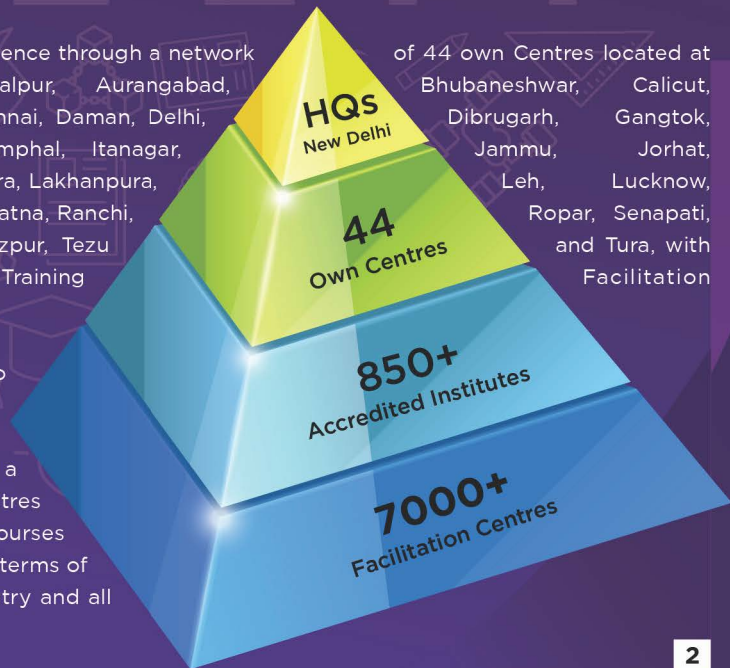
National Institute of Electronics and Information Technology (NIELIT) is an autonomous scientific society under the administrative control of Ministry of Electronics and Information Technology (MeitY), Government of India. NIELIT is actively engaged in Capacity Building and Skill Development in the areas of Information, Electronics and Communication Technology (IECT), FutureSkills, Cyber Law; Cyber Security; GIS; Cloud Computing; ESDM; e-Waste; e-Governance and related verticals. It offers courses both in the Formal as well as the Non-Formal sectors and is also one of the National Examination Bodies which accredits institutes/ organizations for the conduct of courses in the Non-Formal Sector.

NIELIT is also rolling out IT Literacy Programmes for many State Governments for its employees and the masses. NIELIT is also undertaking various projects like ESDM, Skill Development of SC / ST/ EWS youths in Aspirational Districts etc. under capacity building in IECT with the objective of creating skilled manpower at various levels sponsored by Central/State Government. This gives the organization a visible identity in the panorama of Skill Development and Capacity Building in India.

The Bouquet of NIELIT Courses includes: (a) Courses in the Formal Sector offered by NIELIT Centres in the association with State Universities/Technical Board such as Ph.D. Program, M.Tech, B.E./B.Tech, MCA, BCA, Diploma Programmes etc. (b) Courses in the Non Formal Sector in IT, Hardware, Multimedia etc., under four levels namely 'O', 'A', 'B', & 'C'; (c) Short Term Courses in niche areas; and (d) IT Literacy Programmes for proliferation of Digital Literacy in the country besides imparting training in various Emerging Technologies such as Cloud Computing, Robotics, Artificial Intelligence, Data Science, Machine Learning, Cyber Security, Block-chain and Internet of Things etc. In addition, NIELIT has also created expertise for the roll out of customized skill development programmes as per specific needs of various public and private sector firms. Various courses of NIELIT have been aligned with nationally integrated education and competency-based skill framework NSQF. NIELIT offers these courses through its own campuses and various NSQF Accredited Institutes spread across India.

As on date, NIELIT has PAN-India presence through a network of 44 own Centres located at Agartala, Aizwal, Ajmer, Alawalpur, Aurangabad, Chuchuyimlang, Churachandpur, Chennai, Daman, Delhi, Gorakhpur, Guwahati, Haridwar, Imphal, Itanagar, Kohima, Kokrajhar, Kolkata, Kurukshetra, Lakhanpura, Lunglei, Majuli, Mandi, Pali, Pasighat, Patna, Ranchi, Shillong, Shimla, Silchar, Srinagar, Tezpur, Tezu its Headquarters at New Delhi. A Training Centre is also operated at Chandigarh.

Besides the own Centres, NIELIT is also well networked through about 850+ accredited training institutions for training of O/A/B/C level courses and a network of about 6930 facilitation centres engaged in training of digital literacy courses making NIELIT distinctly positioned in terms of its outreach to all corners of the country and all segments of the society.



Courses in NIELIT

Formal Courses

- Ph.D Programme in Engineering & Technology
- M.Tech in Embedded Systems
- M.Tech in Electronics Design and Technology
- M.Tech in VLSI & Embedded System Design
- M.Sc. in Information Technology
- B.Sc. in Information Technology
- Master of Computer Applications
- Bachelors in Computer Application
- Diploma in Electronics Production & Maintenance (DEPM)
- M.Sc. in Computer Science

Non-Formal Courses

- 'O' Level (IT)
- 'A' Level (IT)
- 'B' Level (IT)
- 'C' Level (IT)
- CHM 'O' Level (IT)
- MAT 'O' Level (IT)

Digital Literacy Courses

- Awareness in Computer Concepts (ACC)
- Basic Computer Course (BCC)
- Course on Computer Concepts (CCC)
- Course on Computer Concepts Plus (CCC Plus)
- Expert Computer Course (ECC)

NSQF Aligned Courses

- Certified Multimedia Developer
- Advance Diploma in Computer Application Accounting and Publishing
- Certification Course in Data Entry and Office Automation
- Certificate Course in ITES BPO, Soft Skills & Communicative English
- Certificate in Computer Applications, Business Accounting & Multi Lingual DTP
- Foundation Course in Information Security
- Foundation Course in Machine Learning using Python
- Foundation Course in Artificial Intelligence Applications
- Foundation Course in Blockchain Development
- Computer Aided Tool Designer
- Certified Cloud Computing Engineer
- Certificate course in CAD using CREO
- Diploma in Installation & Repair of Consumer Electronics Products
- Solar Power Installation, Operation and Maintenance
- Solar-LED Lighting Product (Design and Manufacturing)
- Certificate Course on PCB Design, Analysis & Manufacturing Techniques
- Foundation course in Embedded Application Development
- Foundation course in VLSI Design
- Foundation course in MATLAB Programming for Digital Signal Processing
- Foundation course in Internet of Things (IoT)
- Electronic Production Technician
- IoT Data Analyst
- Advanced Diploma- PLC/SCADA /DCS Engineer
- Certified Embedded Software Engineer
- Advanced PG Diploma in Electronic Product Design and Manufacturing
- Post Graduate Diploma in Embedded System Design

Formal Training Programs [Intake Capacity]

S. No	Centre Name	Diploma	PG Diploma	B.Sc. [CS]	BCA	M.Sc. [IT]
1	Agartala	120			40	
2	Aizawl	60			100	
3	Aurangabad	60				
4	Calicut					
5	Gorakhpur					
6	Guwahati				40	20
7	Imphal	120	60		200	40
8	Itanagar				30	
9	Srinagar			40	40	50
10	Kohima	22			64	
11	Leh				40	
12	Shimla		100			
	Total	382	160	40	554	110

S. No	Centre Name	MCA	B.Tech.	M.Tech.	Total
1	Agartala				160
2	Aizawl	60			220
3	Aurangabad		60	25	145
4	Calicut			36	36
5	Gorakhpur			36	36
6	Guwahati				60
7	Imphal	30			450
8	Itanagar				30
9	Srinagar	50			180
10	Kohima				86
11	Leh				40
12	Shimla				100
	Total	140	60	97	1543

Examinations by NIELIT

Online Examinations-proctored {since year 2003}

- Digital Literacy Courses - 85 Lakhs
- Awareness in Computer Concepts (ACC)
- Basic Computer Course (BCC)
- Course on Computer Concepts (CCC)
- Course on Computer Concepts Plus (CCC Plus)
- Expert Computer Course (ECC)



Offline Examinations - Pen Paper Based

- O, A, B, C level (it) courses {since 1991} - 47.57 lakhs
- CCC {1999 - 2002} - 34 thousand
- Recruitment examinations



Third Party Examinations

- NICFS (Ministry of Home Affairs)
- DGCA (Ministry of Civil Aviation)
Pilot License / Aircraft Maintenance Engineer
- BCAS (Bureau of Civil Aviation Security)
- DGT (Ministry of Skill Development and Entrepreneurship)
- CCAC (Govt. of Bihar)



Remote Proctored Exams

- NDLM & PMGDISHA {Since 2014} - 69 lakhs
- IRDA/RAP India {Since 2014} - 1.15 lakhs
- NSQF aligned courses {since 2017} - 4.9 thousand
- Miscellaneous Exams - 5 thousand approx.



Emerging Technologies in Focus



Artificial Intelligence

- Certificate Course in Artificial Intelligence
- Online Course in Machine Learning with Spreadsheets
- Certified AI Professional



Big Data Analytics

- Certificate Course in Big Data Analytics Using Hadoop
- Post Graduate Program in Data Engineering
- Advanced Diploma in Big Data Analytics



Blockchain

- Certified Blockchain Professional
- Certificate course in Writing Smart Contracts
- Blockchain Technology and Applications



Cloud Computing

- Cloud Computing Engineer Course
- Training Program in Cloud Computing Fundamentals
- Certificate Course in Cloud Computing



Internet of Things

- Certificate Course in Internet of Things (IoT)
- Training Program in IoT using Arduino
- Internet of Things (IoT) using Raspberry Pi



3D Printing

- Certificate Course in Additive Manufacturing
- Online Industrial Training on 3D Printing
- Introduction to Additive Manufacturing



Mobile Tech

- Certificate Course in Digital Marketing
- Mobile App Development using Android Programming
- Certified Android Apps Developer



Cyber Security

- Ethical Hacking & Information Security Course
- Online Course on Cyber Security Tools
- PG Diploma in Information System Security



Robotics Process Automation

- Certificate Course in Robotics Process Automation
- PG Diploma in Industrial Automation System Design
- Advanced Diploma-PLC/SCADA/DCS Engineer

Notable Achievements



NIELIT Virtual Academy

NIELIT Virtual Academy is launched to broaden the reach of NIELIT among the target audience across the length and breadth of the country overcoming the urban-rural divide. It provides a platform for affordable anytime anywhere learning delivered through modern digital technologies. The programs employ transformational training methods that are more engaging and student-centric and help learn through discovery. NIELIT Virtual Academy is fulfilling the dream of Atmanirbhar Bharat by setting Digital Revolution through inclusive, state-of-art virtual education platform.

Cyber Forensic Training Cum Investigation Labs

NIELIT Centre at Kohima has setup Cyber Forensics Training cum Investigation Labs in North Eastern states to train stake holders of criminal justice system. Cyber Forensics Lab has been strengthened and upgraded to Regional Cyber Forensics Resource Centre (RCFRC) for sharing of forensics resources through private cloud forensic data centre, VTE Infrastructure for content delivery & Virtual Training Facility with hands-on and providing forensics analysis services for all 8 north eastern states.



Indigenous Color Doppler Ultrasound Scanner

NIELIT Calicut has developed the know-how for the Indigenous Color Doppler Ultrasound Scanner Lab Model Prototype. The prototype system has a touch-based control and display panel. The system supports three ultrasound array geometries (linear, phased, and convex) and based on the application any one of the arrays can be attached to the system and the imaging can be performed.

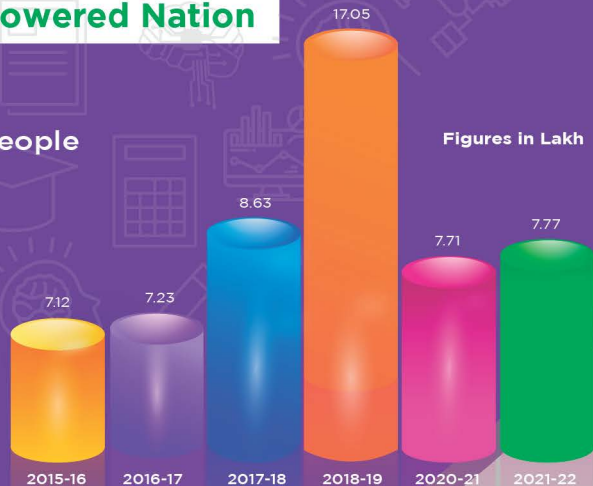
IoT Smart Switch Controller 5 Node

IoT Smart Switch controller 5 Node has been designed and developed by NIELIT Aurangabad for Home Automation and Office Automation. Smart Switch systems constitute of automated ways to light up homes and offices thereby eliminating the need for traditional switches. The device can work with Wi-Fi & Bluetooth based android application simultaneously.































Creating a Digitally Empowered Nation

Skilled **55.55 Lakh+** people
in last 6 years



Role in FutureSkills PRIME

NIELIT is one of the implementing agencies in the project titled- "FutureSkills PRIME". In every core area identified under the, NIELIT Centres are either Lead or Co-Lead Resource Centre (RC). Out of the 10 core areas, NIELIT Centres at Calicut, Kolkata and Aurangabad are Lead RC in 3 core areas namely- 3D Printing/Additive Technology, Blockchain Technology and Robotics Process Automation respectively. Out of 30 Co-Lead Resource Centres, 25 are from NIELIT. NIELIT is an important entity in implementation of the project, given its PAN-India presence.

#	Centre Name	Technology	Centre's Role
1	NIELIT Agartala	 Artificial Intelligence	Resource Co-Lead
		 Social and Mobile -Mobile Application/ UI / UX Development	Resource Co-Lead
2	NIELIT Aurangabad	 Robotics Process Automation (RPA)	Resource Lead
		 Social and Mobile -Mobile Application/ UI / UX Development	Resource Co-Lead
		 Internet of Thing	Resource Co-Lead
		 3D printing/ Additive Manufacturing	Resource Co-Lead
3	NIELIT Calicut	 3D printing/ Additive Manufacturing	Resource Lead
		 Internet of Things	Resource Co-Lead
		 Artificial Intelligence	Resource Co-Lead
4	NIELIT Chandigarh	 Big Data Analytics	Resource Co-Lead
		 Virtual Reality	Resource Co-Lead
5	NIELIT Chennai	 3D printing/ Additive Manufacturing	Resource Co-Lead
		 Internet of Thing	Resource Co-Lead
		 Robotics Process Automation (RPA)	Resource Co-Lead
6	NIELIT Delhi	 Artificial Intelligence	Resource Co-Lead
		 Cloud Intelligence	Resource Co-Lead
		 Social and Mobile -Mobile Application/ UI / UX Development	Resource Co-Lead
7	NIELIT Gangtok	 Virtual Reality	Resource Co-Lead
8	NIELIT Gorakhpur	 Robotics Process Automation (RPA)	Resource Co-Lead
9	NIELIT Guwahati	 Cloud Computing	Resource Co-Lead
10	NIELIT Imphal	 Big Data Analytics	Resource Co-Lead
11	NIELIT Kohima	 Cyber Security	Resource Co-Lead
12	NIELIT Kolkata	 Block Chain Technology	Resource Lead
		 Big Data Analytics	Resource Co-Lead
		 Virtual Reality	Resource Co-Lead
13	NIELIT Patna	 Block chain Technology	Resource Co-Lead
		 Cyber Security	Resource Co-Lead
14	NIELIT Srinagar/Jammu	 Block chain Technology	Resource Co-Lead

CORPORATE TRAININGS



NIELIT centers have conducted corporate trainings in areas like Cyber Forensics, Internet of Things (IoT), & Cyber Crime etc. for various stake holders of criminal justice system like Police officers, Prosecutors, Judges, Investigation. The details of some trainings organized by NIELIT are as under:

1. NIELIT HQ conducted Capacity Building Training on Cyber Security for DIPAC Officials. The training program was conducted in blended mode with technical & knowledge support from NIELIT Aurangabad, Chennai, Gorakhpur & Patna.
2. Training on “Basics of Cyber Forensics” for Tripura Police & TSR personnel conducted by NIELIT Agartala under the project “Development of Cyber Forensic Training cum Investigation Labs in NE States and Cloud based centralized Cyber Forensics Lab Infrastructure”.
3. NIELIT organized training for 25 DSP (Deputy Superintendent of Police) probationers of Bihar Police on Computer Hardware, Networking and Forensics at Bihar Police Academy, Rajgir.
4. NIELIT Kohima conducted many beginners level training for police officials on “Digital Forensics & Cyber Crime Investigation with Hands-on”.
5. Training Program on “Perception Management and Social Media” was conducted by NIELIT Aurangabad at AEC Training College, Pachmarhi, Madhya Pradesh.
6. Training Program on SQL Server and ASP.net at Signal Training School, BSF, Tigri, New Delhi was conducted by NIELIT Delhi for officers/officials of BSF.
7. NIELIT Guwahati in Association with CDAC Kolkata conducted “Awareness Level Training on Cyber Forensics” for Sashastra Seema Bal (SSB), Frontier Hqr., Guwahati.
8. NIELIT Kohima imparted training on Tackling Crime on Digital Space to LEA officers of Nagaland Police sponsored by MeitY at Police Complex Chumoukedima, Dimapur.
9. Basic Computer Course (BCC) Training Program for officials of Jharkhand Finance Service, Govt. of Jharkhand organized by NIELIT Ranchi at Shri Krishna Institute of Public Administration (SKIPPA), Ranchi.

Recognition of NIELIT Courses for Job

1

'O' Level (IT) - Recognised as one of the Eligibility Criteria for government post in Haryana, Punjab, West Bengal, Mizoram.

2

'A' Level (IT) - Recognised as minimum qualification for Eligibility TGT, Programming Assistant etc. in the state of Delhi. Also recognized as a Eligibility Criteria for various Posts in the state of West Bengal, Jammu Kashmir, Central Government.

3

'B' Level (IT) - Recognised for the Post of Lecturer in Jammu Kashmir. Also recognized for Government Post in Uttar Pradesh and Central Government Departments.

4

CCC Course & Other Digital Competence Courses (DLC) - Recognised by many State Governments/ Departments viz. Arunachal Pradesh, Bihar, Chandigarh, Daman & Diu, Gujarat, Haryana, Mizoram, Maharashtra, Rajasthan, Sikkim, Tripura, Uttar Pradesh, Uttarakhand for recruitment / in-service promotion/ increment purposes.

MoUs & Collaboration

- III, Taiwan for "Joint Training Program in the field of Electronics and IT"
- Gautam Buddha University for Joint Training and Certification
- ni-MSME for conducting joint training programmes
- PTU, Jalandhar for summer training of B.Tech students
- IIT Ropar for Joint Training and Certification
- Border Security Force (BSF) for Training of Personnel on IECT customised courses

Testimonials

Pappu Kumar Sharma 'A' Level (IT) Course

JOB PLACEMENT

Junior Assistant, NIT, Nagaland

MESSAGE

I am impressed by the facilities provided to students in NIELIT. I enjoyed the freedom to think and broaden my knowledge & skills. NIELIT provides an awareness of current trends in technology. NIELIT supports its placement to its students depending on the skills and qualification.



Reshma R M.Tech. in Embedded Systems

JOB PLACEMENT

Design Engineer, NXP Semiconductors

MESSAGE

I am glad that I chose NIELIT for my master's degree. I had a great learning experience while my M.Tech. in Embedded Systems at NIELIT, Calicut. The curriculum is well designed to suit the industrial requirements. The professors are knowledgeable, skilled, committed and always willing to assist students. Internship opportunities provided by NIELIT are very beneficial in making the move from campus to corporate. I am really thankful to all the faculties & staff members for the wonderful learning experience that I had at NIELIT Calicut.



Phoukuozetuo Zatsu Bachelor of Computer Application (BCA)

JOB PLACEMENT

Developer, Gauhati High Court

MESSAGE

NIELIT is one of the best institutes to prepare career in the field of Electronics & Information Technology. I am grateful to the faculties for their continuous guidance and support. The institute imparts IT skills to all walks of life from all corners of the country.



Dhanya V Sagar PG Diploma in Embedded Systems Design

JOB PLACEMENT

IoT Engineer, Dhruv CompuSoft Consultancy Pvt. Ltd.

MESSAGE

I was fortunate to join PG Diploma in Embedded Systems Design at NIELIT Calicut which helped me to enhance my technical skills. The lectures and practical sessions were taken by highly qualified faculties. Moreover, weekly placement tests in NIELIT aided me to crack the campus placement test and interview.



