



**Memorandum of Understanding  
between  
All India Council for Technical Education [AICTE] and  
National Institute of Electronics and Information Technology (NIELIT),  
under the Employability Enhancement Training Program [EETP]**

This Memorandum of Understanding (MoU) is made and entered into and executed on **22<sup>nd</sup> June, 2017** at New Delhi.

**BY AND BETWEEN**

**All India Council of Technical Education** (hereinafter called "AICTE"), a Statutory Body of Ministry of Human Resource Development, Govt. of India, established under the All India Council for Technical Education Act 1987, having its office at Nelson Mandela Marg, Vasant Kunj, New Delhi 110 067 which expression shall, where the context so admits, be deemed to include its successors, executors and administrators of the **ONE PART**

**AND**

**National Institute of Electronics and Information Technology.**, (hereinafter referred to as the "NIELIT") under Ministry of Electronics and Information Technology, having its office at 6, CGO Complex, Electronics Niketan, New Delhi 110 003, party of the **SECOND PART**.

**WHEREAS**, the All India Council for Technical Education has initiated a scheme to Employability Enhancement Training Program (EETP) to provide competency based employability enhancement skills under the EETP;

**WHEREAS** under the scheme **NIELIT** Centres/set-ups are required to perform the role and function of providing hands on skill training in Communication and all its related areas with such training centres/set-ups located preferably all over the country.



**WHEREAS** the First Party is to participate as a Regulator under the Employability Enhancement Training Program (EETP)

**WHEREAS** the Second Party has expressed its keen interest and desire to be a key partner in the execution of the Employability Enhancement Training Program (EETP) in terms of the objectives of the scheme and policy as highlighted and specified in the said program and particularly in view of the desire and interest of NIELIT to join and partner with AICTE in providing competency based skills through its training centres/set-ups for the purposes of the scheme;

**WHEREAS** both parties have held discussions and agreed for collaboration for conducting Employability Enhancement Training Program (EETP) whereby NIELIT will impart the requisite training and award credits for the training conducted on its own, to the registered students.

**THEREFORE**, both the parties hereby agree that the Training Centres/set-ups of NIELIT, as approved and recognized by NIELIT shall be known as and act/perform the role of "Training Providers" under the scheme to conduct Employability

Enhancement Training Program (EETP) initiated by AICTE on the following terms and conditions

1. That NIELIT agrees that centres/set-ups approved and recognized by NIELIT herein after to be referred as "NIELIT-TP", as mentioned in schedule 1 to this agreement shall act and perform the role of Training Provider to provide hands on skill training in specific sector such as IECT ( Information Electronics & Communication Technology) and all its related areas.
2. That NIELIT agrees and undertakes that its "NIELIT-TP" as specified in Schedule 1 to the agreement shall register with AICTE for conduct of skill training modules under the EETP and shall perform following functions :
  - a. Announce the schedule of skill training modules for calendar year.
  - b. Register students for the modules and upload the same on AICTE website.
  - c. Conduct the skill modular training.
  - d. Conduct examination/evaluate the student, award the grade indicating completion of Training and uploading the same on the AICTE website.
  - e. The NIELIT-TP recognized and approved by NIELIT as provided in Schedule 1 may register students as provided by the AICTE funded Institution for the purpose

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3. The NIELIT-TP shall also sign a local MOU with the AICTE funded Institution for the purpose and finalize the terms and conditions for such an engagement under the EETP which shall include the award of credits.
4. The NIELIT-TP as specified in Schedule 1 to the agreement, may take flexible training timing and schedule in consultation with the AICTE approved and funded Institute.
5. The NIELIT - TP shall announce and inform through its website, the schedule of the Skill Modules it plans to offer in the academic year concerned for the information of the prospective students and it shall accept the students as provided by the AICTE approved and funded Institute.
6. The NIELIT – TP shall be entitled to the fees (**will be decide once the list of training area will be finalized**).
7. The NIELIT – TP will conduct appropriate training sessions as per the following **pedagogy**:
  - a) These various programs on different topics under this project will consist of theory & on practical hands-on training supplemented with structured academic content.
  - b) Practical sessions shall be held in **flexi-mode** that shall expose the students to various IECT equipments (as required / desire) in terms of their operations.
  - c) **Program Academic Structure: The training may be conducted in following areas at identified NIELIT Centres (Once list of training areas will be finalized name of NIELIT Centers will also be declared) :**

S.No.	Training area
1	Embedded System Design
2	VLSI & Embedded Hardware Design
3	Embedded System Design using ARM/Cortex Microcontroller
4	Industrial Automation System Design
5	DSP using MATLAB
6	Electronic Product Testing
7	Embedded System Design using 8-Bit microcontroller
8	Robotic Programming & Maintenance



S.No.	Training area
9	Embedded Real Time Systems
10	Internet of Things (IOT)
11	Cloud Computing
12	.Net Technology
13	Java Technology
14	Oracle
15	CISCO
16	Android Application Development
17	Electronics System Design and Manufacturing
18	Big Data Analytics
19	Web Application Development using PHP & MySQL
20	Information System Security
21	Networking Specialist (NS)
22	Certified Data Scientist
23	Financial Accounting using Tally
24	Cloud Computing and Virtualization Expert
25	Solar-LED Lighting Product ( Design and Manufacturing)
26	Cyber Law & Information Security
27	Information Systems Security & Auditing
28	Cyber Forensic
29	Multimedia and Animation Technology
30	System Administration using Unix /Linux

**Duration of Training varies from 100 hrs to 500 hrs and accordingly fees for training may also vary accordingly.**



8. The NIELIT - TP will evaluate the students for the Training Skills and award grades and such grade sheet be submitted to the AICTE approved and funded Institute.
9. The NIELIT - TP shall maintain a record of the registered students and certificates issued and upload the same on the AICTE web portal.
10. No Confidentiality: There shall not be any confidentiality of any information disclosed to by both parties to each other, either in operationalizing this agreement or for the purposes of implementing this agreement. The information sought under Right to Information Act or otherwise by any student, shall be promptly made available.
11. The NIELIT agrees and undertakes that the NIELIT - TP as recognized and approved by it, which are shown in Schedule 1 to the agreement, shall act as Training Provider in terms of the agreement signed by them with the AICTE approved and funded Institute in their vicinity and the agreement to be signed between the AICTE approved institute and the Training Provider shall provide the details regarding the schedule of operation, in order to protect the interest of students and all concerned stakeholders.
12. The NIELIT agrees and undertakes that its NIELIT - TP reflected in Schedule 1 to the agreement shall participate, operate and execute the scheme strictly in accordance with the scheme and AICTE for conduct of EETP and shall not indulge in any violation of the scheme.
13. The Scheme of the AICTE to provide competency based skill under EETP shall be treated as part and within the scope of the present agreement for all purposes.
14. Both the parties shall indemnify and keep the other party indemnified and harmless against any and all claims, actions, proceedings by third party (including all costs, expenses, damages / losses) arising out of or in connection with this MOU due to breach of any provisions of this MOU by such party or as a result of any act of negligence / omission or commission on part of such party and / or its employees, agents etc.
15. The NIELIT – TP's registered as Training Providers shall continue as such for a period of at least 3 years from the date of execution of this agreement, which may be renewed in accordance with the provisions of the scheme from time to time subject to the sole decision and discretion of the AICTE and on such terms and conditions, which may be decided or determined by AICTE additionally. However, in case the registration of either party with the AICTE is suspended or terminated, the instant agreement shall stand determined and terminated with immediate effect.



16. During the operation of MoU circumstances may arise which may call for alternations or modifications or amendments to this agreement. These alterations or modifications or amendments will be mutually discussed and agreed upon in writing. No amendment or change hereof or additions hereto shall be effective or binding on either of the parties hereto unless set forth in writing and executed by the respective duly authorized representatives of each of the parties hereto.
17. The AICTE shall have the right to deregister any NIELIT - TP as Training Provider under the Scheme during the subsistence of the present agreement without assigning any reason for whatsoever. Additionally, it is open to AICTE to de-register a Training Provider on account of receipt of complaint or malfunctioning in execution of the provision of the scheme or its objectives.
18. If any dispute arises between AICTE & NIELIT on operation and execution of the agreement, efforts shall be made to resolve the same amicably and if the dispute is not settled then it shall be referred for arbitration to the Chairman, AICTE, who shall be the sole arbitrator in the matter and whose decision shall be final and binding to the parties.
  - 18.1 The decision of sole arbitrator shall be binding on all the parties. The cost of arbitration shall be borne by respective parties equally. The venue of such arbitration shall be Delhi/New Delhi. The parties agree to comply with the awards resulting from arbitration and wave their rights to any form of appeal in so far as such waiver can validly be made.
  - 18.2 Rules governing arbitration proceedings: The arbitration proceedings shall be governed by Indian arbitration and conciliation act 1996, as amended from time to time including provisions in force at the time the references made.
19. The present agreement can be terminated by the AICTE by giving a notice of three months to NIELIT without assigning any reason in this regard and the NIELIT shall have no claim against AICTE and its officials on account of termination of such agreement. However, the responsibilities and duties of both parties in respect of the common students already registered for any of the EETP Programs shall not end with the termination of the agreement, and these will remain valid in totality until completion of evaluation of the already registered students and reporting of their results by both parties.

**20. Effective Date:**

This agreement is effective from the date signed by both the parties will be valid for a period of three years until determined, suspended or terminated earlier.

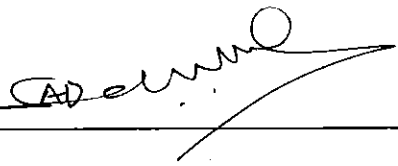


IN WITNESS WHEREOF, the parties hereto, each acting under due and proper authority, have executed this mutually binding Memorandum of Understanding as of the date first written above.

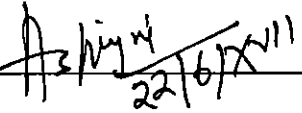
**Accepted and Agreed**

**FOR AND ON BEHALF OF AICTE**

**FOR AND ON BEHALF OF NIELIT**

By: 

Name: **Prof. Anil D. Sahasrabudhe**  
Title: **Chairman, AICTE**  
Date: **22/06/17**

By: 

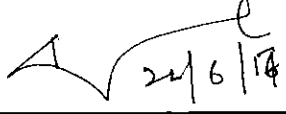
Name: **Dr. Ashwini Kumar Sharma**  
Title: **Director General, NIELIT**  
Date:

**WITNESS**

**WITNESS**

By: 

Name: **Dr. M.P. Poonia**  
Title: **Vice Chairman, AICTE**  
Date: **22/06/17**

By: 

Name: **RAJNEESH K. ASTHANA**  
Title: **JOINT DIRECTOR**  
Date: **22.6.2017**



**Schedule 1**

List of Training Centres of NIELIT :

S No	NIELIT Centre (C)/Extension centre (EC)	Address	State
1	NIELIT Patna (C)	11th Floor, Biscomaun Tower, Gandhi Maidan, Patna	Bihar
2	NIELIT Chandigarh (C)	C-134, IND AREA, PHASE 8, S.A.S.NAGAR, MOHALI-160071	Punjab
3	NIELIT Ropar (C)	Dr. B.R.Ambedkar Bhawan, Giani Zail Singh Nagar,Rupnagar	Punjab
4	NIELIT Delhi (C)	2nd Floor, Parsvnath Metro Mall,Near Inderlok Metro Station,Inderlok, Delhi	Delhi
5	NIELIT Shimla (C)	Cedarwood building Jakhoo road Jakhoo,Shimla – 171001	Himachal Pradesh
6	NIELIT Srinagar (C)	SIDCO Electronics Complex,Old Airport Road Rangreth Srinagar- 191132	Jammu & Kashmir
9	NIELIT Gorakhpur (C)	MMM University of Technology Campus,Deoria Road,Gorakhpur	Uttar Pradesh
11	NIELIT Agartala (C)	R.K. Nagar (opposite to NEEPCO), Khayerpur, P.S – Bodhjungnagar,Agartala, West Tripura, PIN- 799008	Tripura
12	NIELIT Aizawl (C)	Aizawl Industrial Estate,Zuangtui , Aizawl-796017	Mizoram
14	NIELIT Gangtok (C)	Indira Bypass Road, Sichey,Near K.B.T Fuel(Petrol Pump),Gangtok - 737101	Sikkim
15	NIELIT Guwahati (C)	1st & 2nd Floor, Vittiya Bhavan,AFC Building, Md. Shah Road,Paltan Bazar, Guwahati - 781008,	ASSAM

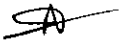
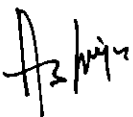
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S No	NIELIT Centre (C)/Extension centre (EC)	Address	State
20	NIELIT Shillong (C)	2nd Floor, Meghalaya State Housing Financing, Co-operative Society (MSHFCS) Limited Building, Behind Bethany Hospital, Nongrim Hills, Shillong - 793003	Meghalaya
22	NIELIT Kohima (C)	Meriema, New High Court Road, Kohima - 797001, Nagaland. Post Box: 733	Nagaland
23	NIELIT Chuchuyimlang (EC)	Nagaland Gandhi Ashram NH 61 Amguri Road Chuchuyimlang, Mokokchung Nagaland - 798614	Nagaland
24	NIELIT Imphal (C)	Akambat P.O.Box-104, Imphal Manipur - 795001	Manipur
27	NIELIT Itanagar (C)	Near Shiv Mandir, E Sector Naharlagun - 791110	Arunachal Pradesh
29	NIELIT Kolkata (C)	Jadavpur University Campus, Kolkata-700032	West Bengal
30	NIELIT Ranchi (C)	RIADA Bhavan, 2nd Floor, Opposite GEL Church, Main Road, Ranchi - 834001 (Jharkhand)	Jharkhand
31	NIELIT Calicut (C)	Post Box No. 5, P. O. NIT Campus, CALICUT - 673601, Kerala	Kerala
32	NIELIT Chennai (C)	ISTE Complex, NO. 25, Gandhi Mandapam Road, Chennai - 600025	Tamil Nadu
33	NIELIT Aurangabad (C)	Dr. B.A.M. University Campus Aurangabad - Maharashtra	Maharashtra
34	NIELIT Ajmer (C)	Village-Kohda, Tehsil-Kekri, Distt.-Ajmer, Pin-305404 (Rajasthan)	Rajasthan
35	NIELIT Kurukshetra	Government Polytechnic College, Umari Kurukshetra, Haryana	Haryana
36	NIELIT Leh (EC)	NIELIT LEH S.P.Complex, Skalzangling Below FCI Godown, Airport road Leh Ladakh, J&K- 194101	Jammu & Kashmir

Besides above, any other Centre established by NIELIT.



**List of Internships /Training Courses to be offered to B.Tech student at NIELIT Centres**

Below is the list of training programmes being offered at NIELIT Centres. Some training programmes are being offered exclusively at specific centres and tabulated separately. Registration in these training programme is subject to availability of seats as per the Training Calendar of respective centres.

**1 Week = 5 days (6 to 7 hrs per day)**

S.No.	Training Area / Topic	Fee in Rs. (Duration 6 weeks )	Fee in Rs. (Duration 8 weeks )
1.	Embedded System Design (8051 or AVR / Arduino)	8000	10000
2.	VLSI & Embedded Hardware Design	10000	13000
3.	Embedded System Design using ARM/Cortex Microcontroller	8000	10000
4.	Industrial Automation System Design	10000	12000
5.	DSP using MATLAB	10000	12000
6.	Embedded System Design using 8-Bit microcontroller	8000	10000
7.	Internet of Things (IOT)	15000	20000
8.	Cloud Computing	10000	12000
9.	.Net Technology	6800	8000
10.	Java Technology	6800	8000
11.	Oracle	8000	10000
12.	CISCO (For 1 <sup>st</sup> & 2 <sup>nd</sup> module)	8000	10000
13.	Android Application Development	13000	15000
14.	Electronics System Design and Manufacturing	10000	12000
15.	Big Data Analytics	8000	10000
16.	Web Application Development using PHP & MySQL	6800	8000
17.	Information System Security	15000	-----
18.	Networking Specialist (NS)	9000	10000
19.	Cloud Computing and Virtualization Expert	10000	12000
20.	Solar-LED Lighting Product ( Design and Manufacturing)	10000	12000

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S.No.	Training Area / Topic	Fee in Rs. (Duration 6 weeks )	Fee in Rs. (Duration 8 weeks )
21.	Cyber Law & Information Security	10000	12000
22.	Cyber Forensic	10000	12000
23.	Multimedia and Animation Technology	10000	12000
24.	System Administration using Unix /Linux	8000	10000
25.	Programming in C/C#	5000	6800
26.	Programming in Python	5000	6800
27.	Object Oriented Programming through C++	5000	6800
28.	Web Application Technologies using LAMP	6800	8000

**List of Internships /Training Courses to be offered to B.Tech student at NIELIT Calicut**

Sl. No.	Area/Topic	Fee in Rs. (Duration 6 weeks )	Fee in Rs. (Duration 8 weeks )
1	Ajax	8000	10000
2	jQuery	8000	10000
3	Hadoop	8000	10000
4	System Security	10000	13000
5	Object Oriented Programming,	8000	12000
6	Windows Server Administration	8000	12000
7	Cloud Server (IaaS) using Citrix	10000	13000
8	Linux Device Driver Development	10000	13000
9	Linux internals & OS porting	10000	13000
10	Linux Kernel & Driver Debugging	10000	13000
11	Open source RTOS for Embedded Systems	10000	13000
12	Yocto Embedded Linux BSP Development	13000	15000
13	Internet of Things Protocols & Application Development	13000	15000
14	Embedded System Design using Raspberry Pi	10000	13000
15	System Design using DSP	10000	13000
16	Real Time Operating Systems - VxWorks	10000	13000

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17	Embedded Protocols	10000	13000
18	Embedded Sensors and interfaces	10000	13000
19	Wireless Technology and protocols	10000	13000
20	Hardware modeling using VHDL/Verilog HDL	10000	13000
21	System Verilog	10000	13000
22	RTL Design Using Programmable Logic	10000	13000
23	FPGA Based Prototyping	10000	13000
24	Security Engineering/ IP Core Design for Cryptography	10000	13000
25	FPGA Based Embedded System Design	10000	13000
26	VLSI Physical design	10000	13000
27	IC Design Flow from Specifications to tape out	10000	13000
28	MATLAB Programming	10000	13000
29	Object Orient Programming for VLSI Verification	10000	13000
30	Multimedia Compression Techniques.	10000	13000
31	Analog VLSI Design Flow	10000	13000
32	VLSI Architectures for Digital Signal Processing	10000	13000
33	Industrial Drives	12000	15000
34	Hardware System Design	10000	13000
35	Embedded Product Design	10000	13000
36	EDA Tools (OrCAD) / Mentor Graphics	10000	13000
37	Board bringup	10000	13000
38	Computer Aided Design	10000	13000
39	Rapid Prototyping / 3D printing	12000	15000
40	Embedded Applications in Power Conversion	10000	13000
41	Solar Power systems installation and maintenance	10000	13000
42	Programmable Logic Controllers (PLC) Allen-Bradley / Siemens / ABB Controllers IEC- 61131-3 Program Language	12000	15000
43	SCADA / HMI	10000	13000
44	NI-LabVIEW	10000	13000
45	Data Acquisition System (DAQ)	10000	13000
46	Biomedical Instrumentation	10000	13000

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**List of Internships /Training Courses to be offered to B.Tech student at NIELIT Kolkata**

S.No.	Training Area / Topic	Duration (in Hrs.)	Fee (in Rs.)
1	Database Management using DB2	80	10,000
2	Software development using Agile methodologies	120	12,000
3	Software development using Scrum method	80	10,000
4	Software Testing practices	120	15,000
5	Software Project Management activities	80	10,000
6	Development of a Data warehouse	120	15,000
7	Data Mining practices	120	15,000
8	Skill development course on Installation and Maintenance of Electrical and Electronics System	164	6,500
9	Skill development course on Electricity & Safety Practices	164	6,500
10	System Administration using Windows	80	6,000

**List of Internships /Training Courses to be offered to B.Tech student at NIELIT Aurangabad**

S.No.	Training Area / Topic	Fee in Rs. (Duration 6 weeks )	Fee in Rs. (Duration 8 weeks )
1.	Present Power Electronics and Future Trends	8000	-----
2.	Android Application development	15000	-----
3.	Industrial Automation System Design	10000	-----
4.	Certificate Course in CAD/CAM	-----	18000
5.	Computer Aided Design using CREO (Pro/E)	8000	12000
6.	Computer Aided Design using CATIA	8000	12000
7.	Additive Manufacturing and 3D Printing	10000	12000
8.	CAD, Drafting and 3D Modelling	8000	12000

**List of Internships /Training Courses to be offered to B.Tech student at NIELIT Srinagar / Jammu**

S.No.	Training area	Fee in Rs. (4 weeks)	Fee in Rs. (6 Weeks)	Fee in Rs. (8 Weeks)
1.	Digital Simulation & Analysis using VHDL		10000	
2.	Computer Aided Drafting		8,000	
3.	Web Technologies		7,000	
4.	Python	8,000		12000
5.	CEH	12,000		
6.	MATLAB	8000		
7.	ARDUINO	8000		12000

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