

Memorandum of Understanding (MoU)

Between



**I K Gujral Punjab Technical University
Kapurthala (Punjab) India**

And



**National Institute of Electronics & Information
Technology (NIELIT)
Chandigarh (Punjab)**

MEMORANDUM OF UNDERSTANDING

BY AND BETWEEN

National Institute of Electronics & Information Technology, an Autonomous Scientific Society under Ministry of Electronics & Information Technology (MeitY), Government of India, hereinafter called NIELIT, which expression shall, where the context so admits, be deemed to include its successors, executors and administrators of the ONE PART,

And

I.K.Gujral Punjab Technical University, Jalandhar-Kapurthala Highway, Kapurthala-144601, Punjab, herein after called IKG-PTU, which expression shall, where the context so admits, be deemed to include its successors, executors and administrators, of the SECOND PART,

WHEREAS, NIELIT, offers, inter alia, various Training Programmes in the field of IECT to equip the students with necessary knowledge of the key industry practices and skills to be fruitfully employed besides providing exposure to live projects and hands-on practical training,

WHEREAS, in the spirit of the MoU signed by NIELIT with All India Council for Technical Education (AICTE) under AICTE's Employability Enhancement Training Program (EETP) to provide competency based employability enhancement skills to the students of AICTE funded institutions through NIELIT's own 40+ centres across the country, NIELIT had proposed vide letter no. NIELIT/RPR/2 /2017/101 dated 27th April 2018 to develop and offer a bouquet of courses to students of IKG-PTU affiliated colleges for undergraduates to give them practical exposure and access to high standards of industry oriented training expertise of NIELIT,

WHEREAS both parties have held discussions and agreed that NIELIT will impart the requisite training and award credits for the training conducted on its own, to the registered students of IKG PTU campus & affiliated colleges,


Therefore, both parties wish to conclude this Memorandum of Understanding (hereafter called "MoU") to co-operate on the activities set forth in this MoU on May 30, 2018 for the period of three years which may be extended with the mutual consent of both parties.

A) The Objective

The objective of this MoU is Employability Enhancement of the students covered under the programme and to set forth the modus operandi to provide Training in the field of IECT and all related areas by NIELIT to students of IKG-PTU affiliated colleges / institutes under following categories:

- a) **Semester /Industrial Training Programmes of 5-6 months duration**
- b) **Summer Training Programmes of 6-8 weeks duration**

The aim of the programme is to equip the students with necessary knowledge of the key industry practices and skills to be fruitfully employed besides providing exposure to live projects and hands-on practical training.



B) TERMS

1. NIELIT agrees to take students of IKG-PTU's campuses and affiliated colleges for admissions through its campuses at Ropar, Mohali and Chandigarh to its scheduled Semester/ Industrial and Summer Training Programmes or any other Training Programme, as deemed fit, in the best interest of the students, mutually decided with IKG-PTU, specially customized for IKG-PTU incorporating NIELIT's trademark strengths structured as follows:

A. Semester Training Programmes

i. Semester Training IT (Computer Science) Programme (5-6 Months):

- a) **Core Concepts:** Turing Machine and Von Neumann Architecture, Memory, data structures, process, Layers beneath the program, Concepts of Software Engineering, Project Management, Norms, protocols, Cyber Security.
- b) Soft Skills and Business Communication, Government Procurement Practices, Legal aspects - IPR, IT Act, International Norms.
- c) **Specialization in one area** of technology such as *Web Designing (HTML5, Javascript), PHP with MySQL, CMS, Cloud Computing, Big Data, Mobile Application Development using Android, ASP.Net with VB/C#, etc.*
- d) **Aptitude Preparation Module** to prepare the student for competitive exams.


ii. Semester Training Electronics Programme (5-6 Months)

- a) **Core Concepts:** Semiconductor Electronics, Analog & Digital Electronic Concepts, Electronic Circuits and Devices, Printed Circuit Boards.
- b) Soft Skills and Business Communication, Government Procurement Practices, , Legal aspects - IPR, IT Act, International Norms
- c) **Specialization in one area** of technology such as *Internet of Things, Embedded Systems Design - AVR/ 8051/PIC/ARM, Programming with Arduino, Raspberry Pi with Python, etc.*
- d) **Aptitude Preparation Module** to prepare the student for competitive exams.

B. Summer Training Programmes (6/8 Weeks):

Short duration programmes in student's chosen field / language / technology with exposure to live projects being undertaken by NIELIT Centres.

2. IKG-PTU shall issue instructions to all its affiliated colleges / institutes to inform the students to undergo relevant (Electronics and Computer Science) Semester / Summer Training at NIELIT.
3. **Fee Structure:** The fee will be as applicable at respective campuses of NIELIT Chandigarh and Ropar. However, NIELIT agrees to offer a special discount of 10% on the applicable fee to the students under the ambit of this MoU.
4. **Delivery Mode:**
 - i) Concerned NIELIT Centre will announce the schedule of skill training modules for calendar year.
 - ii) The various programs on different topics under this MoU will consist of theory and hands-on training sessions supplemented with structured academic content.
 - iii) Practical sessions shall be held in **flexi-mode** that shall expose the students to various IECT equipment in term soft heir operations.



5. **Locations:** The training would be imparted at the following locations initially in non-residential mode. However, at NIELIT Ropar, training will also be available in residential mode post 2019.

NIELIT Ropar

NIELIT Ropar Permanent Campus, Birla Farms,
BadaPhull, Rupnagar - 140001
(Adjacent to IIT Ropar)

NIELIT Chandigarh (Mohali Campus)

C-134, Ind Area, Phase 8,
S.A.S.NAGAR, Mohali-160071, India.
Reception: 0172-2236462

NIELIT Chandigarh (Chandigarh Campus)

IETE Building
Plot No.M-925, IETE Building,
Sector 30-B, Opposite Market, Chandigarh
Ph. No 2650121

6. IKG-PTU will nominate one coordinator for all programmes being offered by NIELIT for its affiliated colleges who shall be the single point of contact for the same.
7. Each of the concerned NIELIT Centre at Ropar, Mohali and Chandigarh will nominate one coordinator for all programmes being offered by respective NIELIT locations.
8. NIELIT shall be responsible for:
- Enrolment of students
 - Conduct of Training
 - Assessment and Certification
 - Infrastructure / modalities related to the conduct of courses.
9. IKG-PTU will display the information related to the programmes on its website.
10. **Attendance:** Assessment and certification of only those candidates will be done, who have attended a minimum of 75% lectures in the programme.
11. **Assessment and Certification:** The assessment will be done based on written and practical examination / Project of the candidates completing the programme with minimum attendance as required.
12. Commencement and duration of the programmes under the MoU will be strictly as per schedule mutually agreed upon.
13. NIELIT reserves the right to cancel registration of students not adhering to NIELIT's code of attendance and discipline.
14. The present agreement can be terminated by either party by giving a notice of three months without assigning any reason. In this regard neither party shall have any claim against the other party and its officials on account of termination of this agreement. However, the responsibilities and duties of both parties in respect of the students already registered for any of the Programs under this MoU 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.
15. 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,

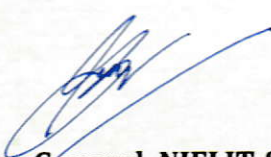



expenses, damages / losses) arising out of or in connection with this MOU due to breach of any provisions of this MoU by such party or as a result of any act of negligence / omission or commission on part of such party and / or its employees, agents etc.

16. **Arbitration:** In the event of any difference or dispute arising between the parties in connection with or concerning the observance of the terms and conditions or interpretation thereof, the same shall be jointly resolved by Director-in-charge NIELIT Chandigarh and Director IKG-PTU in a spirit of independence, mutual respect and shared responsibilities, failing which both parties shall appoint a mutually agreed arbitrator. The decision of the arbitrator shall be final and binding on parties hereto. The Arbitration and Conciliation Act, 1996 as amended from time to time and rules framed there under shall be applicable to the parties hereto.

17. In all matters and disputes arising hereunder the appropriate courts under the jurisdiction of Hon'ble High Court of Punjab and Haryana at Chandigarh shall have the jurisdiction to entertain and try them.

IN WITNESS WHEREOF THE

Parties hereof have caused this Memorandum of Understanding (MoU) to be signed in their respective names as of the day and year first hereby above written.

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| <p>For and on Behalf of NIELIT</p>  <p>Director, General, NIELIT & Joint Secretary, MeitY, GOI NIELIT Chandigarh, C-134, Ind Area, Phase 8, S.A.S.Nagar, Mohali-160071, India.</p> | <p>For and on Behalf of IKG-PTU</p>  <p>Vice Chancellor, IKG PTU I KGujral Punjab Technical University Jalandhar - Kapurthala Highway, VPO - Ibban, Kapurthala-144603, Distt. Kapurthala</p> |
| <p>Witness 1:</p>  <p>Name: Sh. Deepak Wasan, Director - Incharge, NIELIT, Ropar Address: NIELIT City: Ropar</p> | <p>Witness 2:</p>  <p>Name: Dr. A P Singh, Dean (R&D), IKG PTU Address: IKG PTU City: Kapurthala</p> |