



ਆਈ. ਕੇ. ਗੁਜਰਾਲ ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ ਜਲੰਧਰ, ਕਪੂਰਥਲਾ
I.K. GUJRAL PUNJAB TECHNICAL UNIVERSITY JALANDHAR, KAPURTHALA
Centre of Training and Placement

Ref. No. IKGPTU/T&P/.....218.....

Dated 26/03/25

To,
The Director/Principals
IKG PTU Affiliated Colleges

Sub: Regarding MoU signed between IKG PTU and NIELIT Chandigarh

Sir/Madam

We are happy to share with you that IKG PTU Jalandhar recently signed a Memorandum of Understanding (MoU) with National Institute of Electronics & Information Technology (NIELIT) Chandigarh. Through this MoU students of colleges/campuses affiliated with IKG PTU will be get benefitted for their 4/6/8 weeks & 6 months' Industrial Training.

A. 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:

- Semester / Industrial Training Programmes of 5-6 months duration
- 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. A brief about the Semester Training Programmes (six months Industrial Training Programme) being offered by NIELIT Ropar Campus is as below:

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 (HTML, Java script), 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

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I.K. Gujral Punjab Technical University

Jalandhar-Kapurthala Highway, Kapurthala -144 603. Phone : 01822-282580

E-mail : placements@ptu.ac.in Website : www.ptu.ac.in

c) Specialization in one area of technology such as Internet of Things, Embedded Systems Design -AVR/ 8051/PIC/ARM, Programming with Ardiuno, Raspberry Pi with Python, etc.

d) Aptitude Preparation Module to prepare the student for competitive exams'

C. Summer Training Programmes (4/6/8 Weeks):

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

D. Fee Structure: - Fee structure will be as applicable at NIELIT Ropar Campus. However, NIELIT agrees to offer a special discount of 10% on the applicable fee to the students under the ambit of this MoU.

E. 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 the 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 their operations.

F. Locations:

The training would be imparted at the following locations in non-residential mode. However, at NIELIT Ropar, training is also be available in residential mode with nominal hostel charges.

NIELIT CHANDIGARH

Ministry of Electronics and Information Technology, Govt. of India

Permanent Campus : Birla Farms, Bada Phull,

Ropar. (Punjab) 140 001

NIELIT EXTENSION CENTRE CHANDIGARH

Plot No. M-925, IETE Building, Sector 30, Opposite Market,

CHANDIGARH INDIA 160030

Phone No : 0172-2650121

You are requested to share this information with your students so that they may also get benefitted. For more details of courses being offered by NIELIT Ropar, student may visit the following link:

<https://www.nielit.gov.in/ropar/content/summer-industrial-training-courses>

With profound regards,


Mohit Jain

Assistant Registrar (T&P)

CC:

1. SVC: For kind information of the Hon'ble Vice Chancellor
2. Registrar: For kind information
3. Head (CT&P): For kind information
4. Deputy Director (T&P): For kind information
5. File