

MEMORANDUM OF UNDERSTANDING (MoU)
BETWEEN

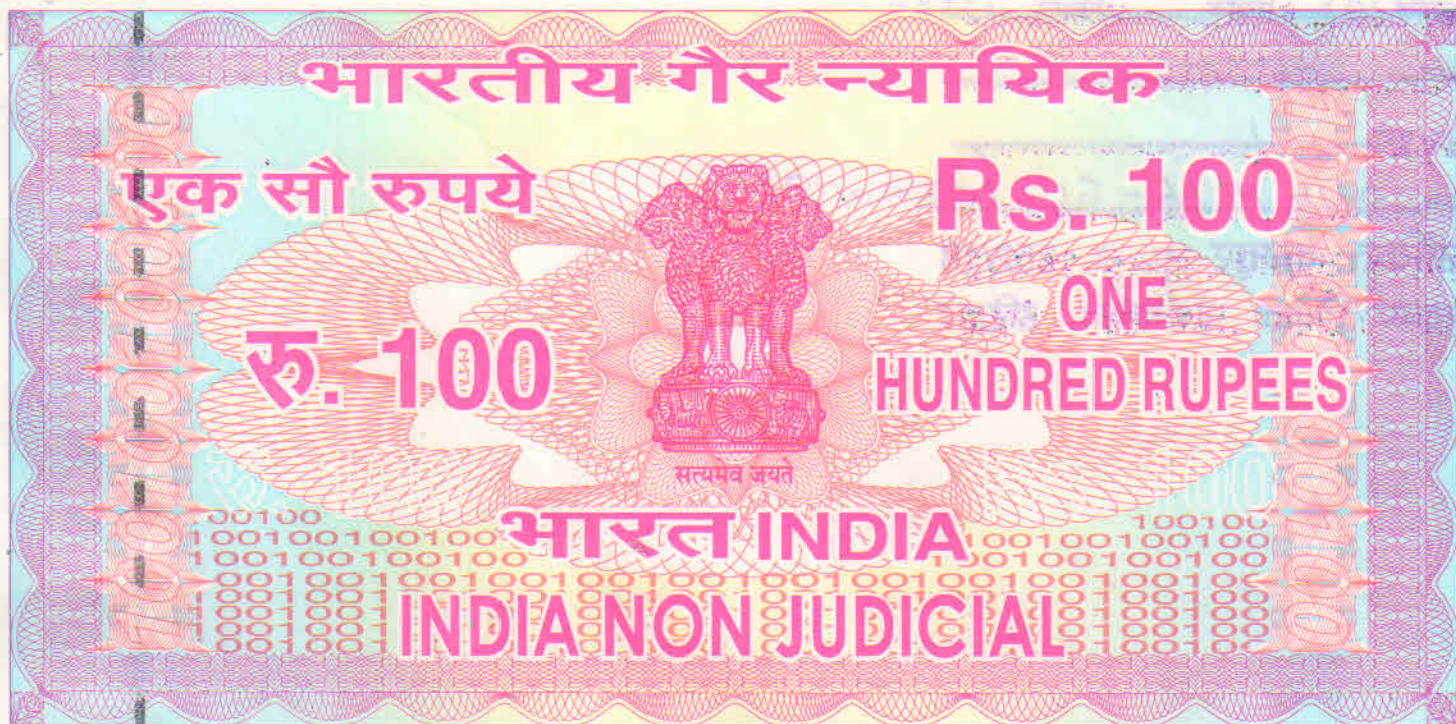


National Institute of Electronics and Information Technology
(NIELIT) Haridwar

And



Faculty of Engineering & Technology, Gurukula Kangri University, Haridwar



उत्तराखण्ड UTTARAKHAND

N 412163

This Memorandum of Understanding (MoU) is made and entered into on ~~Wednesday~~, the 26th February 2020,

BY AND BETWEEN

National Institute of Electronics & Information Technology, (NIELIT) Haridwar, an autonomous scientific society of Ministry of Electronics & Information Technology (MeitY), Government of India, having its office at 2nd Floor, Government Polytechnic Building, Plot No. 6C, Sector-11, SIDCUL, Haridwar, hereinafter called 'NIELIT-HARIDWAR', which expression shall, where the context so admits, be deemed to include its successors, executors, administrators or permitted assigns of the ONE PART,

And

Faculty of Engineering and Technology, Gurukula Kangri Vishwavidyalaya, Haridwar, hereinafter called 'FET-GKV' which expression shall, where the context so admits, be deemed to include its successors, executors, administrators or permitted assigns of the SECOND PART.

WHEREAS, NIELIT offers 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 exposure to live projects and hands-on practical training.

WHEREAS, in the spirit of MoU signed by NIELIT with All India Council for Technical Education (AICTE) under AICTE's Employability Enhancement Training Programmes (EETP) to the students through NIELIT's own Centres across the country, FET-GKV has expressed its interest and desire to get its students trained through NIELIT-HARIDWAR.

[Signature]

[Signature]

WHEREAS both parties have held discussion and agreed that NIELIT-HARIDWAR and FET-GKV may identify various key area of cooperation in order to promote Digital Literacy, generate Skilled Technical Manpower and proliferate Knowledge Sharing among faculties of both prestigious institutions.

WHEREAS both the parties recognize the mutual interest in the fields of training & placements and other related activities and dissemination of knowledge.

WHEREAS both the parties recognize the importance of the Academic Partner within the field of education through faculty exchanges for teaching with each other's.

Therefore, both parties wish to conclude this Memorandum of Understanding (hereafter called "MoU") to co-operate on the activities set forth in this MoU.

A) THE OBJECTIVE

To foster collaboration, share experience, and to facilitate advancement of knowledge, FET-GKV and NIELIT-HARIDWAR agrees to explore the possibility of engaging in the following modes of collaboration and the objectives of this MoU are:

- a. Exchange of information on research, teaching, learning materials and other literature relevant to the educational and training programmes of both the institutions.
- b. Joint organization of seminars, conferences, workshops on topics of mutual interest, while extending invitation to each other's faculty to participate therein and the expenses on such account would be finalized by both the institutions on case-to-case basis;
- c. Conduct of Faculty Development Programmes by NIELIT-HARIDWAR for the faculties of FET-GKV in niche areas and future skills;
- d. Conduct of Industrial/Summer Training programmes by NIELIT HARIDWAR in advanced and upcoming technologies in the areas of IECT and allied verticals with an aim to equip students of FET-GKV with necessary knowledge of the key industry practices and skills besides exposure to live projects and hands-on practical trainings in order to enhance their employability.
- e. Work together for mutual benefit in the field of corporate interactions.
- f. Set the ground for longer-term partnerships in the field of training & development of students, placement and other joint programs.
- g. Provide Universities access to academic associates for collaborative activities.
- h. Capacity Building of Faculty and Students of FET-GKV on NSQF (National Skills Qualification Framework) aligned courses of NIELIT.
- i. To promote interaction between FET-GKV and NIELIT-HARIDWAR in mutually beneficial areas which so far have been identified above.



B) PROPOSED MODES OF COLLABORATION

RECOGNISING the mutual interest in the fields of research, development, education, training & placement, transfer of technology and dissemination of knowledge on long-term basis,

FET-GKV & NIELIT-HARIDWAR HEREBY agree to establish collaboration according to terms and conditions set out in the following, hereunder.

Cooperation between the two institutions may be established within any field related to academic and research of mutual interest, for example in the following areas:

- Computer Science and Information Technology
- Electronics & Communication Technology
- Electrical Engineering
- Mechanical Engineering

a. EXCHANGE OF INFORMATION ON RESEARCH, TEACHING, LEARNING MATERIALS:

FET-GKV and NIELIT-HARIDWAR may exchange information on research and educational programmes, teaching/learning material and other literature relevant to their educational and research programmes. Further, FET-GKV and NIELIT-HARIDWAR agree to explore ways to share teaching/learning material and other relevant literature, while respecting each other's intellectual property and other rights.

b. JOINT ORGANIZATION OF CONFERENCES, WORKSHOPS AND SHORT-TERM COURSES:


FET-GKV and NIELIT-HARIDWAR agree to help identify and invite faculty members from each others institution to participate in conference, workshops and short-term courses. The terms and conditions for such participation will be worked out by mutual agreement between the invited faculty member(s) and the institution extending such an invitation.

c. CONDUCT OF FDP PROGRAMMES:

NIELIT-HARIDWAR will organize Faculty Development Programmes (FDP) in the upcoming areas of IECT and allied verticals time-to-time for the faculties of FET-GKV. NIELIT-HARIDWAR may offer these programmes at a very nominal fee which will be worked out on the basis of duration, technology and number of participants, on case-to-case basis. The schedule of FDP programmes may be worked out in mutual consultation between the concerned authorities of both the respective institutions.

d. CONDUCT OF INDUSTRIAL/SUMMER TRAINING PROGRAMMES

NIELIT-HARIDWAR will organize industrial/summer training programmes for students of FET-GKV in the niche areas looking to the demand of the industry and employability. NIELIT-HARIDWAR agrees to conduct these programmes for the students of FET-GKV on a very concessional rates as enclosed at Annexure-I:



In addition to above, NIELIT-HARIDWAR also agrees to offer following concessions in Course Fee exclusively for students of FET-GKV for Group Enrolments:

- i) 10% concession, if a group of 10 or more students joins a batch
- ii) 20% concession, if a group of 20 or more students joins a batch

Other Fees, such as Registration, Examination Fee etc. will be as per the **Annexure-I**.

Students will be given classroom training along with the hands-on sessions in the lab on the latest technologies and will be required to develop and submit a project on the technologies learned during the programme.

e. CONDUCT OF NSQF ALIGNED PROGRAMMES:

NIELIT-HARIDWAR conducts various NSQF (National Skill Qualification Framework) aligned courses in the areas of Electronics and Information Technology. The list of courses is available at NIELIT's website <http://nielit.gov.in/content/nsqf>. NIELIT-Haridwar offers to provide following group concessions to the students of FET-GKV in the NSQF aligned programmes, as under:

- i) 10% concession, if a group of 10 or more students joins a batch
- ii) 20% concession, if a group of 20 or more students joins a batch

NIELIT-HARIDWAR may also consider to conduct WEEKEND training programmes as per the convenience of the students provided sufficient number of students opt for the same.

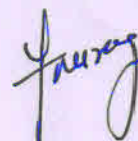
NIELIT-HARIDWAR may also consider to offer similar concessions as indicated above, to the faculties/staff of FET-GKV also for enrolment in NSQF aligned courses.

C) THE AGREEMENT

- a. At Gurukula Kangri Vishwavidyalaya, this MOU will be administered by Registrar/ Prof. Incharge – CAOC. At NIELIT-HARIDWAR, this MoU will be administered by Director-in-Charge.
- b. The parties may enter into specific written agreements under authority of this MoU to clarify and define the nature, extent and terms of operation for the proposed collaborations, including intellectual property ownership.

D) TERMS & CONDITIONS

- 1. NIELIT-HARIDWAR agrees to take students of FET-GKV for admission to its Summer/Industrial Training Programmes and other Future Skill Advanced Training Programmes or any other Training Programme, as deemed fit, in the best interest of the students, mutually decided with FET-GKV Haridwar on case-to-case basis.



2. NIELIT is implementing SCSP/TSP Scheme of Government of India. Benefits may be extended to eligible SC/ST candidates of FET-GKV subject to availability of seats and compliance of norms of the scheme.
3. NIELIT Haridwar will customize the Industrial/Summer Training programmes offered to students of FET-GKV by incorporating NIELIT's trademark strengths along with a special emphasis on Core Concepts of the technologies.
4. The logistics of transportation of the students to-and-fro from FET-GKV to NIELIT-HARIDWAR Campus will be either arranged by FET-GKV or by the students on their own. If the strength of the students for a particular training programme/course is above 30 nos., NIELIT-HARIDWAR may depute its trainer to conduct programme in the campus of FET-GKV itself. In such case, FET-GKV will provide the requisite infrastructure such as classroom, computer lab, projector and other logistics etc. for the smooth conduct of the training at FET-GKV premises.
5. This MOU is not intended to, and does not create any right, benefit, or trust responsibility, substantive or procedural, enforceable at law or equity, by either party, its officers, employees, or agents against the other party, its officers, employees, or agents.
6. This MoU is solely work for the development of students, faculty, staff; to provide open platform to students for self-development, training and skill development.
7. Nothing in this MOU obligates either party to commit or transfer any funds, assets, or other resources in support of projects or activities between the parties unless expressly stated in this agreement.
8. Both parties agree to submit outcomes of their joint collaboration, whilst safeguarding their own copyright and any patents that may be produced by their collaboration.
9. The activities of this MOU must be carried out in accordance with appropriate laws and regulations existing in India.
10. The present MoU 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 MoU. However, the responsibilities and duties of both parties in respect of the students already registered for any of the Programmes under this MoU shall not end with the termination of the MoU, and these will remain valid in totality until completion of evaluation of the already registered students and reporting of their results.
11. Programmes may be added/ modified/dropped as mutually agreed upon by both parties to keep the bouquet of courses up-to-date with current technology / trends. The Fee structure of the courses is subject to revision time-to-time. NIELIT-HARIDWAR will intimate FET-GKV about such changes so as to keep students informed about the latest fee structure.
12. Commencement and duration of the programmes under MoU will be as per schedule mutually agreed upon between NIELIT-HARIDWAR and FET-GKV.



13. NIELIT-HARIDWAR reserves the right to cancel registration of students not adhering to NIELIT's code of attendance and discipline.
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. **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-HARIDWAR and Registrar-GKV in a spirit of independence, mutual respect and shared responsibilities, failing which both parties shall appoint a mutually agreed arbitrator. The decision of arbitrator shall be final and binding on parties hereto. The Arbitration and Conciliation Act, 1996 and Rules framed there under shall be applicable to the parties hereto.
16. In all matters and disputes arising hereunder the appropriate courts at Haridwar under the jurisdiction of Hon'ble High Court of Uttarakhand at Nainital shall have the jurisdiction to entertain and try them.

In witness where of the Parties have here into set and subscribed the hands and seals on the date month and year first above written.

For and on Behalf of NIELIT-HARIDWAR

(Signature & Stamp of Authorized Signatory of NIELIT-HARIDWAR)

Name:

Anurag Kumar

Designation:

Director-in-charge
Director-in-charge

National Institute of Electronics & Information Technology Haridwar
Ministry of Electronics & Information Technology, Govt of India
2nd Floor, Govt. Polytechnic, Plot No. 6, Sec-11, SIDCUL, Haridwar

Witness 1:

Signature:

Sanyam Rathor

Name & SANYAM RATHOR,

Designation: Joint Director (IT)

For and on Behalf of GKV HARIDWAR

(Signature & Stamp of Authorized Signatory of GKV)

Name:

Prof. Dinesh Bhatt

Designation:

Registrar

Witness 2:

Signature:

Name &

Designation:

Prof. Pankaj Sharma
Dean, FET,

Summer/Industrial Training Programmes

The candidate who enrolls for the Summer/Industrial Training programme, will be required to opt for a course/technology (**list attached**) on which he/she will be given classroom training. The candidate will be given domain specific exercises in order to give him/her sufficient hands-on experience before start of the project. Once the classroom session is over, the candidate is required to develop a minor/major project on the technology learnt during the programme. The candidate will be issued certificate after the successful completion of the training.

A) Four weeks Summer/Industrial Training programmes for B.E./B.Tech Students:

- | | | | |
|-----|--|---|----------------------------------|
| i. | Programme Duration | : | 4 Weeks |
| a) | Class-room Training & Hands-on practical in Labs | : | 3 Weeks |
| b) | Minor Project | : | 1 Week |
| c) | Project Presentation & Report Submission | : | On the last day of the programme |
| ii. | Fees* | : | Rs. 4000/- per candidate |

B) Six weeks Summer/Industrial Training programmes for B.E./B.Tech Students:

- | | | | |
|-----|--|---|----------------------------------|
| i. | Programme Duration | : | 6 Weeks |
| a) | Class-room Training & Hands-on practical in Labs | : | 4 Weeks |
| b) | Minor Project | : | 2 Weeks |
| c) | Project Presentation & Report Submission | : | On the last day of the programme |
| ii. | Fees* | : | Rs. 6000/- per candidate |

C) Six Months Industrial Training programmes for B.E./B.Tech Students:

- | | | | |
|-----|--|---|-----------------------------------|
| i. | Programme Duration | : | 4-6 Months |
| a) | Class-room Training & Hands-on practical in Labs | : | 2 Months |
| b) | Major Project | : | 2-4 Months |
| c) | Project Presentation & Report Submission | : | On the last day of the programme |
| ii. | Fees* | : | Rs. 12,000/- per candidate |

NOTE:

- i) GST @18% is payable extra as per Govt of India norms
- ii) Classroom Training/Lab Session will be conducted on 3 hrs. per day & 5 days per week basis.
- iii) Cost of Application Form (to be filled by each candidate) is Rs. 200/- which is payable in addition to the Training Fee.




Course/Technology to be opted by Candidate:

| Sr. No. | Course/Technology |
|---------|---|
| 1 | Arduino based Embedded System Design |
| 2 | MATLAB Programming |
| 3 | Programming in Python |
| 4 | Artificial Intelligence using Python |
| 5 | Artificial Intelligence using R Programming |
| 6 | Internet of Things (IoT) using Arduino |
| 7 | Internet of Things (IoT) using Raspberry Pi |
| 8 | Internet of Things (IoT) with Python |
| 9 | Big Data Analytics |
| 10 | Android Application Development |
| 11 | Cloud Computing |
| 12 | Web Application Development using .Net Technology |
| 13 | Web Application Development using Java Enterprise Edition |
| 14 | Web Application Development using PHP & MySQL |
| 15 | Networking Specialist |
| 16 | PCB Designing using OrCAD |
| 17 | VLSI Design using Verilog/VHDL |
| 18 | Machine Learning using R Programming |
| 19 | R Programming |
| 20 | Data Science and Machine Learning using Python |
| 21 | System Administration Using Unix /Linux |
| 22 | Programming in C/C# |
| 23 | Internet of Things Protocols & Application Development |
| 24 | Embedded System Design Raspberry Pi |
| 25 | Embedded Sensors and interfaces |
| 26 | Hardware modelling using VHDL/Verilog HDL |
| 27 | System Verilog |
| 28 | Certificate course in CAD/CAM |
| 29 | Computer aided design using CATIA |
| 30 | CAD, drafting and 3D modelling (using AutoCAD) |
| 31 | Digital simulation and analysis using VHDL |
| 32 | Computer aided design using CREO(Pro/E) |

*More courses may be added as per requirement

