

MOU-15

**COLLABORATING AGENCY - National Institute of
Electronic and Information Technology In Ropar (NIELIT)
START DATE - MAY 30, 2023
END DATE - MAY 30, 2026**

Govt College Ropar and NIELIT Chandigarh Will Utilize The Infrastructural Facilities Such As Software ,Computational Facilities, And Industrial Skill Augmentation Available At Govt college Ropar and NIELIT Chandigarh Through Modular Courses Or Customized Training For The Mutual Benefits At Mutually Agreed Terms .NIELIT And GCR Will Jointly Organize Events Such As Seminars ,Workshops, Conferences ,Symposia ,Conclaves ,Webinars Etc .For The Technical Skill Development Of Students and Faculty.

AGREEMENT

This agreement is made on this day Twenty Six of June Two thousand and Twenty Three (w.e.f. 26.06.2023)

Agreement

BETWEEN

Between

National Institute of Electronics and Information Technology (NIELIT) Chandigarh, an Autonomous Scientific Society of Ministry of Electronics & Information Technology (MeitY), Govt. of India at Permanent Campus at Birla Farms, BadaPhull, Rupnagar (Ropar) - 140001 (Punjab) through its authorized signatory, Dr. Sanjeev Kumar Gupta (preferred to as NIELIT) which shall be deemed to be the contact person for all matters relating to the development of qualified human resources in the area of IT, Electronics, Communications, Computing, ESDM, e-Governance and related verticals.



Govt. College Ropar Est. 1945

Govt. College Ropar, Rupnagar – Punjab-140001.

and



रा.इ.सू.प्रौ.सं
NIELIT

National Institute of Electronics & Information Technology, Chandigarh
Permanent Campus at Birla Farms, BadaPhull,
Ropar – 140001

Principal
Govt. College
Ropar

Dr. Sanjeev Kumar Gupta
Director
NIELIT
Bada Phull
Ropar, Punjab-140001

1. SCOPE OF WORK

- a) Government College Ropar, as SPOKE, and NIELIT Chandigarh, in collaboration will execute/implement the Future Skills PRIME scheme of the Ministry of Electronics and Information Technology, Government of India as per the terms and conditions mentioned in Annexure-1.
- b) Government College Ropar will launch NIELIT'S NSQF aligned courses in the emerging technologies and the list of all courses is mentioned in Annexure-2. Government College Ropar will mobilize and enrol the students and keep 100% Training fee component of the students enrolled in NIELIT'S NSQF aligned courses.
- c) NIELIT Chandigarh will extend full support to Government College Ropar in the student's internships/industrial training/summer training programs in emerging technologies. NIELIT will offer a 20% discount on fees to the students of Government College Ropar subject to a minimum of 30 students in a batch.
- d) Government College Ropar and NIELIT Chandigarh will jointly organize events such as seminars, workshops, conferences, symposia, conclaves, webinars etc. for the technical skill development of students/ faculty/ industry persons.
- e) Government College Ropar and NIELIT Chandigarh will utilize the infrastructural facilities such as software, computational facilities, and industrial skill augmentation available at Government College Ropar and NIELIT Chandigarh through modular courses or customized training for the mutual benefits at mutually agreed rates/ terms and conditions before the commencement of programs.
- f) NIELIT Chandigarh will extend full support to Government College Ropar in Faculty Development Programs (FDPs) in emerging technologies on mutually agreed rates/ terms and conditions before the commencement of programs.
- g) Government College Ropar and NIELIT Chandigarh will do the research and development activities in the field of IT/Electronics as per the mutually agreed terms and conditions.
- h) Government College Ropar and NIELIT Chandigarh will execute/implement any other objective as mutually agreed upon.
- i) Both parties acknowledge and understand that all financial arrangements, if any, will be subjected to prior written agreement and availability of funds for each activity/project undertaken.

NOW THEREFORE, in consideration of the foregoing and the mutual covenants contained herein, constituting good and valuable consideration, the sufficiency of which is hereby acknowledged, the Parties mutually agree hereto as follows:

Sanjeev

Jatinder
Principal
Govt. College

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Sanjeev

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2. ROLE AND RESPONSIBILITIES

2.1. ROLE AND RESPONSIBILITIES OF Government College Ropar

- a) Identify a senior level in-house faculty member preferably not below the rank of Assistant Professor, to be the Program Officer and provide full commitment for the successful outcomes of the program.
- b) Ensure highest level of quality to be aimed for and to be achieved at all stages of the program in order to ensure that programs meet its stated objectives.
- c) Provide educational infrastructure: classroom, audio visual and computing support, for all students of the program, if need be.
- d) Provision of expert faculty/domain experts for teaching modules apart from ICT to be offered by Government College Ropar.
- e) Create awareness about the program amongst potential recruiters both from the Government and Private sector and invite them to conduct campus recruitment at Government College Ropar.
- f) To fulfill all the terms and conditions for rolling out the NIELIT'S NSQF aligned courses.

2.2. ROLE AND RESPONSIBILITIES OF NIELIT CHANDIGARH

- a) Identify a senior in-house Officer to be the Program Officer not below the rank of Scientist 'D' and provide a full commitment for the successful outcomes of the program.
- b) Extend its expertise in the subject matter for conducting classes/courses/ sessions.
- c) Design activities and events for creating awareness for the program, enabling prospective students from the private sector, open market and government to submit their applications/candidature for the said program with support of Government College Ropar.
- d) Engage eminent resource persons from Industry and Academia for sharing Industrial experiences as a resource person.
- e) Conduct **Workshop/seminars in Emerging Areas** in online training to Govt College Ropar faculties .

2.3. JOINT ROLES AND RESPONSIBILITIES OF GOVERNMENT COLLEGE ROPAR AND NIELIT CHANDIGARH

- a) Government College Ropar, and NIELIT Chandigarh may jointly constitute a committee of 3 – 5 members for the smooth and productive implementation of the agreement.
- b) Implementation of the agreement would be monitored on a six-monthly basis by a steering committee comprising of three members from Government College Ropar and NIELIT Chandigarh.

Principal
Govt Coll

Sanjay

Jatinder Singh

- c) In order to attract best talents, Government College Ropar and NIELIT Chandigarh shall jointly release advertisements through print and audio-visual media and conduct joint publicity programs at regular intervals.
- d) Any notice / communications required to be given by the parties shall be addressed to the parties at the address specified at the first page of this agreement.

3. CONFIDENTIALITY

- i. During the tenure of the agreement, both, (Government College Ropar and NIELIT Chandigarh) will maintain strict confidentiality and prevent disclosure of all the information and data exchanged under the scope of this agreement for any purpose other than in accordance with this agreement.
- ii. Both, (Government College Ropar and NIELIT Chandigarh) shall bind their respective personnel who come into possession or knowledge of any confidential information NOT to disclose the same to third parties without written approval of the disclosing party or use such confidential information for any use other than intended under this agreement or PROJECTS.
- iii. Further both (Government College Ropar, and NIELIT Chandigarh) shall put in place adequate and reasonable measures to keep and store confidential information secure so as to prevent any unauthorized use.
- iv. Confidential Information shall mean any proprietary information, data or facts belonging to PARTIES collectively or severally disclosed by the disclosing party under this agreement or any subsequent addendum, whether in writing, verbal or electronically, irrespective of the medium in which such information is stored, which is marked confidential or with any other words having similar meaning by the disclosing party, or specifically agreed to be kept confidential by the parties, or declared or identified so by the disclosing party before such disclosure or during the discussions.

However confidential information shall not include any data or information which:

- a) Is or become publicly available through no fault of the receiving party
- b) Is already in the rightful possession of the receiving party prior to its receipt of such data or information.
- c) Is independently developed by the receiving party without reference to the confidential information of the disclosing party
- d) Is rightfully obtained by the receiving party from a third party or is in the public domain.
- e) Is disclosed with the written consent of the party whose information it is, or
- f) Is disclosed pursuant to court order or other legal compulsion, after providing prior notice to the disclosing party.

5. AMENDMENTS

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Principal
Govt. College
Ropar

Sanjeev

Any amendment add/or addenda to the agreement shall be in writing and signed by the PARTIES hereto and shall only after such execution be deemed to form part of the agreement and have the effect of modifying the agreement to the extent required by such amendments or addenda.

6. INDEMNITY

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 agreement.

7. PERIOD OF VALIDITY:

This agreement will be effective for a period of **03 years (three years)** from the date of signing and can be renewed for a further term if mutually agreed by both the parties. However, the agreement may be terminated from either side, if either party serves notice to other party at least three months before the actual termination of the agreement.

8. FORCE MAJEURE

For the purpose of this agreement, the expression "Force Majeure" shall mean any cause affecting the performance of a party of its obligations arising from acts, events, omissions, happenings or non-happenings, beyond its reasonable control including (but without limiting the generality thereof) Governmental Regulations, fire, flood, earthquake, strikes, or any other disaster or an industrial dispute affecting a third party for which a substitute third party is not reasonably available. Any act, event, omission, happening or non-happening shall only be considered Force Majeure if it is not attributable to willful act, neglect or failure to take reasonable precautions of the affected party. Neither party shall in any circumstances be liable to the other for any loss of any kind whatsoever, including but not limited to any damages or abatement of charges whether directly or indirectly caused to or incurred by the other party by reason of any failure or delay in the performance of its obligations hereunder which is due to Force Majeure. Notwithstanding the foregoing, each party shall use all reasonable endeavors to continue to perform or resume performance of such obligations hereunder for the duration of such Force Majeure event.

9. TERMINATION

The present agreement can be terminated by either party by giving a notice of three months. 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 agreement shall not end with the termination of the agreement, and these will

Govt. College
Sarfaraz
Jalil Singh

under this agreement 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.

10. ARBITRATION/ JURISDICTION

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 General, NIELIT and an officer/office-bearer of suitable designation from Government College Ropar, in a spirit of independence, mutual respect and shared responsibilities, without any resort to arbitration or other form of legal remedy including resort to court of law. However, the agreement shall be subject to the exclusive jurisdiction of the courts at Rupnagar under the jurisdiction of the Hon'ble High Court of Punjab and Haryana at Chandigarh.

IN WITNESS WHEREOF the undersigned have executed this agreement as of the date first above written.

For and on behalf of
Govt College Ropar

Jatinder Singh
(Jatinder Singh)
Principal,
Government College Ropar
Principal
Govt. College
Ropar
Dated: 26/6/23

Government College Ropar

Dated: 26/6/23

Witness 1

Name: HARJUS KAUR

Designation: Associate Prof.

For and on behalf of
National Institute of Electronics &
Information Technology, Chandigarh
Sanjeev
(Dr. Sanjeev Kumar Gupta)
Executive Director

NIELIT Chandigarh

Dated: 26/6/23

NIELIT Chandigarh

Dated: 26.6.23.

Witness 2

Name: Meenu Dhillon

Designation: Scientist-D

Dr. SANJEEV K
EXECUTIVE DIR
NIELIT CHANDI
BADA PHULL,
ROPAR, PUNJAB

Electronics Circuit & Devices

About NIELIT

NIELIT is an autonomous Scientific Society under the administrative control of Ministry of Electronics & Information Technology (MeitY), Government of India. NIELIT Chandigarh was established in 1978 to provide professional services in the areas of Information, Electronics & Communication Technology (IECT). NIELIT Chandigarh is engaged in development of industry oriented quality education and training programmes in the state-of-the-art areas.

About Course

The course will bring the concept of Electronics devices, analysis and circuit designing. In this include the study of device characteristics and applications of p-n-junction diodes, rectifier, clipper, clamper bipolar junction transistors, and Op-amp.

Course Objective

The learner will learn the electronics components and electronics circuit Designing. Further, the learner will be able to learn the working of electronics circuit used in day to day life.

Brief Contents

- ❖ **Introduction to Electronics**
 - Evolution of Electronic Devices and Integrated Circuit, Applications of electronics
 - Need and application of electronics in different areas, Concept of active and passive devices
- ❖ **Semiconductor Devices**
 - Intrinsic and Extrinsic Semiconductors, conductivity of semiconductors and its temperature dependence
 - PN-Junction, Rectifier, Clipper, Clamper, Power Supply
 - Electronics Circuit Simulation
- ❖ **Case Study**
- ❖ **Transistor and its Biasing**
 - Transistor operation and Characteristics, CB, CC and CE configurations
 - Biasing circuits, Thermal Runaway
- ❖ **Operational Amplifier**
 - Operation, characteristics, inverting and non-inverting configurations
 - Integrator and differentiator, 555 timer
- ❖ **Project**

Eligibility	Knowledge of Computer	Fee	Rs.1000 +GST	Duration	2 Weeks
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For further details, Contact:

Facility at Chandigarh

ETE Building, Sector 30-B, Chandigarh 160030
Phone: 0172-2650121, Mobile: 7087235351,7009304181
mail: training.chd@nielit.gov.in

Permanent Campus

Bada Phull, Birla Farms, Ropar-140001
Phone: 01881-257005,257006 Mobile: 7087235351,7009304181
Visit: www.nielit.gov.in/chandigarh

ONE DAY WORKSHOP ON DATA ANALYTIC AND EXCEL

The recent data analytics workshop, organized by NIELIT, proved insightful for attendees. The workshop delved into harnessing Excel for data analytics. Participants explored essential Excel functions for data cleaning, visualization, and analysis. Topics ranged from pivot tables and charts to advanced formulas for trend analysis. The interactive sessions facilitated hands-on learning, fostering a deeper understanding of data manipulation. Attendees gained practical skills applicable in various fields, acknowledging the workshop's value in enhancing analytical abilities. EXCEL's initiative in providing such an educational opportunity deserves commendation for its contribution to data literacy.





NATIONAL INSTITUTE OF ELECTRONICS & INFORMATION TECHNOLOGY, CHANDIGARH
 An Autonomous Scientific Society of Ministry of Electronics & Information Technology, Govt of India
 Ropar: Birla farms, Bada Phull, Rupnagar
 Chandigarh: Plot No. M925, IETE Building, Sector 30-B, Chandigarh

Certificate of Participation

This is to certify that **Harwinder Kaur** from **Govt College Ropar** has participated in **one-day workshop on Data analytics using Excel** organised by **National Institute of Electronics and Information technology (NIELIT) Chandigarh (Permanent Campus Ropar)** on **10th March, 2023**.


 (Meenu Dhir)
 Program Coordinator


 (Dr. Manish Arora)
 Training Head

Date of Issue: 22th May, 2023