



# मलवीय राष्ट्रीय प्रौद्योगिकी संस्थान जयपुर

( भारत सरकार द्वारा संस्थापित राष्ट्रीय महत्व का संस्थान )

## Malaviya National Institute of Technology Jaipur

(An Institute of National Importance under Ministry of Education, Govt. of India)

प्रो. एन. पी. पाढ़ी, FNAE  
निदेशक

Prof. N. P. Padhy, FNAE  
Director

No.

27<sup>th</sup> May 2024

28

Mr. Anil Pipal  
Scientist-G & Group Coordinator, HRD  
Ministry of Electronics & Information Technology  
Electronics Niketan, 6-CGO Complex, Lodhi Road New Delhi - 110 003  
Phone: 011- 2436 4777; Email- [pipal@meity.gov.in](mailto:pipal@meity.gov.in)

Sub: Signing of MoU for phase-2 of Electronics & ICT Academy at MNIT Jaipur

Ref: (i) E-mail from Mr. Surendra Singh, Scientist -E, regarding release of funds for the Electronics & ICT Academy Scheme - Phase-II, dated 20<sup>th</sup> May 2024  
(ii) E-mail from Mr. Surendra Singh, Scientist -E, advising for signing of MoU, dated 13<sup>th</sup> May 2024  
(iii) Letter no. F.No. L-14011/1/2024-HRD dated 26<sup>th</sup> April 2024, Administrative approval

Dear Sir

We thank you for informing us about approval of Electronics & ICT Academy (Phase-2) to our institute.  
We are forwarding the signed Memorandum of Understanding (MoU). It will be our endeavour to come up to the expectations and fulfil the objectives for which the academy is to function in phase-2.  
The following would be Chief coordinator/Co-CI/ Academy-Chairperson at MNIT Jaipur for the academy.

- |                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (i). Mentor Institute:                      | Malaviya National Institute of Technology Jaipur                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| (ii). Chief Investigator                    | Prof. Vineet Sahula<br>Email: <a href="mailto:vsahula.ece@mnit.ac.in">vsahula.ece@mnit.ac.in</a> ; Mobile No. : 954 9654 227                                                                                                                                                                                                                                                                                                                                                                          |
| (iii). Co- Chief Investigators              | Prof. Lava Bhargava<br>Email: <a href="mailto:lavab@mnit.ac.in">lavab@mnit.ac.in</a> ; Phone: 954 9654 231<br>Dr. Pilli Emmanuel Shubhakar<br>Email: <a href="mailto:espilli.cse@mnit.ac.in">espilli.cse@mnit.ac.in</a> ; Phone: 954 9658 131<br>Dr. Satyasai J. Nanda<br>Email: <a href="mailto:snanda.ece@mnit.ac.in">snanda.ece@mnit.ac.in</a> ; Phone: 954 9654 237<br>Dr. Ravi K. Maddila<br>Email: <a href="mailto:rkmaddila.ece@mnit.ac.in">rkmaddila.ece@mnit.ac.in</a> ; Phone: 954 9654 238 |
| (iv) Director of the Institute              | Prof. N. P. Padhy<br>Email : <a href="mailto:director@mnit.ac.in">director@mnit.ac.in</a><br>Mobile No./ Contact No. : 0141-2529 087                                                                                                                                                                                                                                                                                                                                                                  |
| (v) For more details: (webpage address) * : | <a href="http://www.mnit.ac.in">www.mnit.ac.in</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

With regards

Yours Sincerely

(N. P. Padhy)

Copy to : Mr. Dinesh K. Sagar, Deputy Secretary, Ministry of Electronics & Information Technology Electronics Niketan, 6-CGO Complex, Lodhi Road New Delhi - 110 003, Phone: 011- 2430 1234; Email- [dineshk.sagar@meity.gov.in](mailto:dineshk.sagar@meity.gov.in)



## MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (MOU) is made on 28<sup>th</sup> May 2024 between:

- a) **The President of India** acting through the Ministry of Electronics and Information Technology, Electronics Niketan, 6, CGO Complex, New Delhi-110003. (hereinafter referred to as MeitY, which expression shall, unless excluded by or repugnant to the context, be deemed to include his successors in office and assigns) of the FIRST PART;

AND

- b) **Malaviya National Institute of Technology Jaipur**..... (hereinafter referred to as **Implementing Agency**, which expression shall, wherever the context so submits mean and include its successors and assigns) of the SECOND PART;

**Malaviya National Institute of Technology Jaipur**, is hereinafter individually referred to as "Party" and MeitY and **Malaviya National Institute of Technology Jaipur** Collectively referred to as "Parties" as the context may require. WHEREAS "*Electronics & ICT Academy Scheme-Phase-II*" (hereinafter referred to as the E&ICT Academy Scheme-Phase-II) is an approved project under the HRD Division of MeitY, to be implemented jointly by the implementing agencies/PMU over a period of 5 years.

NOW THEREFORE in consideration of the premises and mutual covenants hereinafter contained, the parties hereto agree as follows:

AND WHEREAS, the objectives of the Project include:

The key objectives of Electronics & ICT Academy Scheme - Phase-II are as under:

- To conduct specialized FDPs for faculty/mentor training in upcoming/emerging areas of Electronics & ICT in line with the vision of MeitY to induce progressive developments and competitive advantage across board by promoting emerging areas of technology and other high priority areas that are pillars of both, the "Make in India" and the "Digital India" programmes.
- To promote synergy and collaboration with industry, academia, universities and other institutions of learning, especially in emerging technology areas such as 5G, IoT/ Sensors, Artificial Intelligence (AI), Machine Learning, Augmented Reality (AR) and Virtual Reality (VR), Drones, Robotics, Additive Manufacturing, Gaming and Entertainment, Photonics, Nano-based devices, as well as other thrust areas such as medical electronics, defence and strategic electronics, automotive electronics, cyber security, power electronics and automation at the faculty and student levels.
- To upgrade the knowledge base of faculties by leveraging the National Policy on Electronics 2019 (NPE 2019) which envisions to position India as a global hub for ESDM sector, including MeitY Schemes/policies that aims to bring the benefits of electronics to every walk of life, such as Programme for Semiconductors and Display Fab Ecosystem[India Semiconductor Mission (ISM), Semiconductor Fabs and Display Fabs, Semi-conductor Laboratory (SCL)]; Production Linked Incentive Scheme for IT Hardware & Large-Scale Electronics Manufacturing; EMC; SPECS; Chips to System (C2S); etc.
- To promote standardization of FDPs including assessment/ certification across the network of E&ICT Academies, including a wider network of institutions through a hub-and-spoke model. Standardization would also be promoted through Joint Faculty Development Programs through syllabus design of FDPs by experts from the reputed/premier institutes and sharing of resources over a common platform.

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*Dr. Anil Kumar*  
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*S. Nanda*  
*[Signature]*

*[Signature]* Director  
Malaviya National Institute of Technology Jaipur  
JAIPUR-302017 (Rajasthan)



- To support the vision of the National Education Policy (NEP 2020), which mandates that Indian educators go through at least 50 hours in professional development programmes per year. Considering that technology has become a critical tool in education, and after the COVID-19 pandemic, its necessity has increased manifold, therefore, through educator conferences; self-motivated research; teacher workshops; teacher-to-teacher mentorship programs, etc., the E&ICT Academy Scheme – Phase-II would also aim to undertake professional development for better instruction for improved pedagogy and student learning, including providing advice and support for technical incubation and entrepreneurial activities.
- To design, develop and deliver specialised FDPs on emerging technologies/ niche areas/ specialised modules for specific research areas for Faculty/ Teachers/ Mentors/ Professor of Practice/ Research Scholars in Higher Education Institutions (HEI), besides FDPs on multi-disciplinary areas connected with ICT tools and technologies and other digital hybrid domains, covering a wider spectrum of engineering and non-engineering colleges, ITIs, polytechnics, and PGT educators.

## 1. DEFINITIONS

Unless otherwise stated, for the purpose of this MOU, the terms given hereunder shall have the following meanings:

- (i) **Annexure:** Any annexure to this MOU as enumerated and cross-referred in these articles.
- (ii) **Articles:** Any Clause of this MOU or partial clause with separate marginal number as referred to anywhere in the workings of this MoU or its Annexures.
- (iii) **FDP-Faculty Development Program**
- (iv) **MeitY:** Ministry of Electronics and Information Technology, Government of India having its office at 6, CGO Complex, New Delhi - 110003.
- (v) **GC:** Group Coordinator, MeitY
- (vi) **GFR:** General Financial Rules, 2017 (as amended from time to time)
- (vii) **GIA:** Grants-in-Aid
- (viii) **HEI:** Higher Educational Institution
- (ix) **HRD Division:** Human Resource Development Division, MeitY
- (x) **IA:** Implementing Agency
- (xi) **IPR:** Shall mean all rights, benefits, title or interest in or to any Intellectual Property (whether registered or not and including all applications for the same)
- (xii) **IA- Implementing Agency**
- (xiii) **PMU-Programme Management Unit**
- (xiv) **MoU:** Memorandum of Understanding
- (xv) **Party/Parties** means MeitY and **Implementing Agency**
- (xvi) **Project:** Electronics & ICT Academy Scheme – Phase-II.

## 2. SCOPE OF MEMORANDUM OF UNDERSTANDING

The Articles 1 to 30 and Annexure I to III to this MOU form an integral part of the MOU between the parties. The terms herein referred in the MOU and Annexures shall be binding on the parties. The MOU together with the Annexures indicates the responsibilities and obligations of the parties to this MOU including terms and conditions, financial arrangement, intellectual property rights, monitoring mechanism etc. of the Project.

## 3. TARGET BENEFICIARIES

- (a) Faculty Members in Engineering/ Science / Arts/ Commerce colleges/ academic institutions, including Trainers in Polytechnic, ITIs, and other PGT educators. Candidates permitted to teach in these institutions would also be included.
- (b) Training Target is as follows:

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*Malaviya*

Director  
National Institute of Technology Jaipur  
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Implementing Agency wise training target is as under:

| Name of Academy                    | Target          |
|------------------------------------|-----------------|
| E&ICT Academy, NIT Warangal        | 14,700          |
| E&ICT Academy, MNIT Jaipur         | 14,700          |
| E&ICT Academy, IIT Guwahati        | 14,700          |
| E&ICT Academy, IIITDM Jabalpur     | 14,700          |
| E&ICT Academy, NIT Patna           | 14,700          |
| E&ICT Academy, IIT Roorkee         | 14,700          |
| ICT Academy, Tamil Nadu            | 11,800          |
| NIELIT Aurangabad                  | 2500            |
| NIELIT Calicut                     | 2500            |
| NIELIT Gorakhpur                   | 2500            |
| C-DAC Mohali                       | 2500            |
| C-DAC Patna                        | 2500            |
| C-DAC Hyderabad                    | 2500            |
| E&ICT Academy, IIT Kanpur (Online) | 20,000          |
| <b>Total</b>                       | <b>1,35,000</b> |

The implementing agency/ year-wise break up of targets are Annexure-I (copy of Administrative Approval dated 26.04.2024). Besides training of faculty members, at least 350 new/ unique FDPs would be developed in niche/ state-of-the art technological areas, considering future-of-work and integration of industry specific requirement, and in this regard, the implementing agency wise targets are also provided at Annexure-I.

#### 4. IMPLEMENTATION STRUCTURE OF THE PROJECT

4.1. The implementation strategy takes into account a hub-and-spoke framework with focus on Joint FDPs through the NKN mode, besides leveraging the NIELIT & CDAC ecosystem for the training of faculty/trainers of Polytechnic, ITI and PGTs (post-graduate STEM teachers in schools) through Classroom/Online (blended learning / VILT) modes. Also, ICT Academy, Tamil Nadu, which was set up by MeitY and has training capabilities on pan-India basis, would also be leveraged for delivery of FDPs (both high-end as well as for faculty of ITIs/ polytechnics). In this context, the hub-and-spoke framework would function as an overarching mechanism as per details hereunder:

- The Electronics & ICT Academies set up at premier and leading academic institutions, namely (i) NIT Warangal (ii) IIITDM Jabalpur (iii) IIT Guwahati (iv) NIT Patna (v) IIT Roorkee and (vi) MNIT Jaipur would serve the role of a "Lead Academy" and focus on high-end FDPs especially for Engineering faculty. Based on the direction of Academic Council, the Lead Academies would play a vital role in design/development of curriculum for the targeted faculty. Lead Academies would be responsible for overall scheme implementation and ensure the achievements of targets and outcomes of high-end FDPs through both their own institutional framework as well as the network of Spokes.
- Each Lead Academy would identify Spokes (in prominent institutions, preferably in tier-2/tier-3 cities) for the delivery of Joint FDPs through NKN mode for wider reach and proliferation. This in essence would enhance the reach of a high-end FDP designed and developed by the Lead Academies. It is also envisaged that in addition to the existing FDPs, the Lead Academies would also design and develop 180 high-end new FDPs (@30 new FDP per Academy).
- In addition to Lead Academies and Spokes for the roll-out of high-end FDPs, the capacities/capabilities of the NIELIT & CDAC ecosystem would also be leveraged. Towards this, NIELIT (Centres at Aurangabad, Calicut and Gorakhpur) and CDAC

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Director



(Centres at Mohali, Patna and Hyderabad) 'Participating Academies' each, which would be responsible for rollout of FDPs for the faculty/trainers of Polytechnic, ITI and PGTs (post-graduate STEM teachers in schools). Towards this, it is also envisaged that NIELIT & CDAC Centres as Participating Academies would design and develop 120 FDPs @ 20 FDP per centre.

- Besides, Lead Academy and Participating Academy, ICT Academy, Tamil Nadu, which was set up by MeitY, would also be leveraged for delivery of high-end FDPs; and, FDPs for the faculty/trainers of Polytechnic, ITI and PGTs. Towards this, it is also envisaged that ICT Academy would design and develop 50 FDPs (20 High-end FDPs & 30 FDPs for Polytechnic, ITI and PGTs).
- The E&ICT Academy at IIT, Kanpur has developed an online platform for course development and training of faculty through the i-SPED (self-paced learning mode). Thus, the delivery mechanism is through continuous engagement mode, including video, audio testing and evaluation mechanism.

4.2.The Project entitled 'Electronics & ICT Academy Scheme-Phase-II' would be in operation for five (05) years. Each Implementing Agency would be provided financial support for five (05) years as per details at Annexure-I.

4.3.A Project Management Unit (PMU) would be set up by National Institute of Electronics & Information Technology (NIELIT) for implementation and management of various activities under the project.

4.4.Implementing Agencies would need to abide by the detailed guidelines on common operational and functional framework as approved by competent authority, and as amended from time to time.

4.5.A brief on the project entitled 'Electronics & ICT Academy Scheme – Phase-II' is placed at Annexure-II.

## 5. RESPONSIBILITIES OF MEITY & IMPLEMENTING AGENCY

### 5.1. Responsibilities of MeitY

- (i) To set up Project Review and Steering Group (PRSG), Academic Council, Central Monitoring Committee for taking policy level decisions, select the institutions, operational structure, etc.
- (ii) To ensure time-bound implementation of the Scheme / Project, and organize meetings (from time to time) of Project Review and Steering Group (PRSG), Academic Council, Central Monitoring Committee.
- (iii) To provide necessary funds for the implementation to the respective Institutions based on recommendation of the Project Review and Steering Group (for second installment onwards), and/or assessment by MeitY and as approved by MeitY.
- (iv) Facilitate/assist in expediting issues related to the project, coordination with relevant Government Ministries/Departments/Organizations/Institutions and other agencies concerned.
- (v) Take up any other issue/s and aspects related to the implementation of Project.

### 5.2. Key Responsibilities of Implementing Agencies

- 5.2.1. To conduct specialized Faculty Development Programs (FDPs) in the area of Electronics & ICT for faculty/mentor training, aligned with MeitY schemes/policies on emerging areas of technology and other high-priority areas that are pillars of both the "Make in India" and the "Digital India" programs.

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*Director*  
National Institute of Technology Jaipur  
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- 5.2.2. To support the vision of the National Education Policy (NEP 2020), which mandates that Indian educators undergo at least 50 hours of professional development programs per year.
- 5.2.3. To promote synergy and collaboration with industry, academia, and other learning institutions, especially in the area of emerging technologies.
- 5.2.4. To offer research orientation to the faculty and enable them to carry out research and consultancy support for the industry in the area of IECT, and to function as a Resource Center for curriculum and faculty development in their respective regions.
- 5.2.5. To maximize the benefits of Faculty Development Programs (FDPs) and leverage them for the benefit of the student community, including industry professionals.
- 5.2.6. To maintain an accurate repository of all records at all times, including beneficiary details, and to maintain a Management Information System (MIS) for supporting the Centralized Portal.
- 5.2.7. To design and develop FDPs with inputs from academia and industry, and in accordance with the vision/recommendations of the PRSG, Academic Council, Central Monitoring Committee, and the Committee of CIs as per the Governance Mechanism detailed in Article 6 of the MoU.
- 5.2.8. To ensure that the training programs are as per the emerging requirements in the electronics and ICT sector and also in line with the local/region-specific requirements, the existing E&ICT Academies would continue to leverage their Academic and Research Committees (with relevant experts from industry, Sector Skill Councils (SSCs), and academia) for recommendations on emerging technologies on which faculty development could be initiated, besides other aspects like the development of new courses, syllabi, course content, curriculum, e-content, identification of experts, etc.
- 5.2.9. The details provided in the Administrative Approval vide No: F.No. L-14011/1/2024-HRD dated 26.04.2024 (copy at Annexure-I) are integral to the roles and responsibilities of all implementing agencies.
- 5.2.10. In addition to the above, the specific roles & responsibilities of Lead Academies, Participating Academies, and E&ICT Academy at IIT-Kanpur are as follows:

- ❖ Lead Academy (IIT Guwahati, IIT Roorkee, NIT Warangal, NIT Patna, IIITDM Jabalpur, MNIT Jaipur, and ICT Academy, Tamil Nadu\*)
  - To design, develop & deliver high-end FDPs on emerging technologies/ niche areas/ specialised modules for Faculty in Higher Education Institutions (HEI) (especially for Engineering faculty).
  - To identify spoke institutions preferably from tier-2/ tier3 cities for the rollout of Joint FDPs in NKN-Spoke mode. The spoke institutions may include HEIs, such as IITs, NITs, IIITs, Technical Universities, State Universities, other academic institutions of repute.
  - To collaborate/ synergise with existing MeitY/Government-funded projects/schemes so that the resources and facilities available therein can be leveraged, resulting in greater value, considering that the faculty to be trained in high-end FDPs may also be provided access to state-of-the-art labs, tools, and other resources funded under other MeitY/Government schemes/projects, such as the Programme for Semiconductors and Display Fab Ecosystem [India Semiconductor Mission (ISM), Semiconductor Fabs and Display Fabs, Semiconductor Laboratory (SCL)]; Production Linked Incentive Scheme for IT Hardware & Large-Scale Electronics Manufacturing; EMC; SPECS; Chips to System (C2S); FutureSkills PRIME; ISEA; National Supercomputing Mission; and the Centers of Excellence (CoEs)/Labs available at CMET Hyderabad, IDEMI Mumbai, SAMEER, etc. Creation of such synergy/ linkages between the FDPs with the schemes/labs/tools would be decided by the Chief Investigators Committee.

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Director  
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- The Lead Academies would be responsible for overall scheme implementation and ensure the achievements of targets and outcomes of high-end FDPs through both their own institutional framework as well as the network of Spokes. The Lead Academies would ensure achievement of targets as detailed at Annexure-I.
- The Lead Academies would also design and develop new high-end FDPs as per the targets indicated at Annexure-I, and would continue to leverage the existing FDPs developed under Phase-I of E&ICT Academy Scheme.

*\* targets assigned to ICT Academy, Tamil Nadu includes both high-end FDPs as well as FDPs on multi-disciplinary areas connected with ICT tools and technologies and other digital hybrid domains, covering a wider spectrum of polytechnics, ITIs, and PGTs. Point 2 is not applicable to ICT Academy, Tamil Nadu*

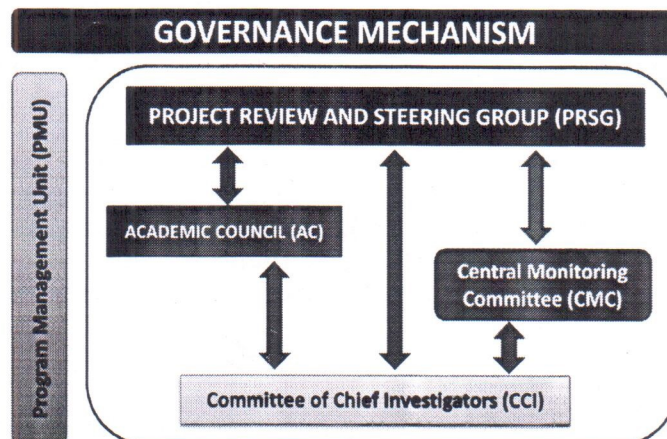
❖ **Participating Academy [NIELIT Centre (Aurangabad, Calicut, Gorakhpur) and CDAC Centre (Mohali, Patna, Hyderabad)]**

- To design, develop & deliver specialised FDPs for the faculty/trainers of Polytechnic, ITI and PGTs (post-graduate STEM teachers in schools)
- The Participating Academies would be responsible for overall scheme implementation and ensure the achievements of targets and outcomes through their own institutional framework. NIELIT & CDAC may also leverage the services of other Centres for mobilization and achievement of targets.
- The targets assigned to the Participating Academies are detailed at Annexure-I.
- The Participating Academies would design and develop new FDPs as per the targets indicated at Annexure-I and also continue to leverage the existing FDPs developed under Phase-I of E&ICT Academy Scheme.

❖ **Electronics & ICT Academy at IIT Kanpur**

- To design, develop & deliver specialised FDPs (online self paced learning mode) on emerging technologies/ niche areas/ specialised modules for specific research areas for Faculty in Higher Education Institutions (HEI), besides FDPs on multi-disciplinary areas connected with ICT tools and technologies and other digital hybrid domains, covering a wider spectrum of engineering and non-engineering colleges, polytechnics, ITIs, and PGTs educators.
- E&ICT Academy, Kanpur would be responsible for overall scheme implementation and the platform developed by E&ICT Academy, Kanpur under Scheme-I would be leveraged for training of 20,000 faculty @ Rs. 2,500/- per candidate, which also includes conversion of 350 courses to online self-paced learning mode; mobilization of candidates; advocacy & awareness; consumables; travel; other incidental/miscellaneous charges, etc.

## 6. MONITORING OF THE PROJECT



Director  
National Institute of Technology Jaipur  
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- Project Review and Steering Group (PRSG): PRSG under the Chairmanship of Group Coordinator (HRD Division), MeitY and Co-chaired by Eminent Prof. /Expert would review and monitor the technical and financial progress and overall implementation of the scheme.
- Academic Council: The council under the Chairmanship of Eminent Prof. /Expert and Co-chaired by Group Coordinator (HRD Division), MeitY would provide overall guidance in all academic matters including areas of focus, including recommendations/ approvals on standardization of FDPs, and other programmatic interventions to ensure quality standards, uniformity in delivery mechanisms, entry and exit criteria, etc.
- Central Monitoring Committee: The committee under the Chairmanship of Co-Chairman PRSG would be constituted to review the delivery / conduct of FDP by the academies, outreach of academies/ scheme, define benchmarks and review of the Academies, and address issues with respect to coordination with States/UTs/ Universities/ Institutions/ ITIs etc.
- Committee of CIs: The committee would comprise of Chief Investigators of all Implementing Agencies to decide the rollout of Joint FDPs, especially during the summer and winter vacations. The Committee would also prepare a calendar for training through NKN/hybrid mode, finalise the experts, identify other participating/ spoke academies, duration of the course, modules, common brochure etc. The CI committee would also recommend other mechanisms, as may be necessary for scheduling of FDPs in a professional and timely manner.
- The Program Management Unit (PMU) setup at NIELIT-Hq would act as an overarching mechanism to provide support and secretarial services, including facilitation to the various committees, besides the design, development and maintenance of the centralized portal.

## 7. FINANCIAL DETAILS:

7.1. The budget outlay of the E&ICT Academy Scheme-Phase-II is Rs. 94.69 crore as Grants-in-Aid from MeitY over a period of five years. The relevant details of the same are as per Administrative Approval No. L-14011/1/2024-HRD dated 26.04.2024 as amended from time to time. Details of the budget outlay and deliverables are at **Annexure-I**.

7.2. The Grants-in-Aid will be regulated in accordance with the provisions contained in Chapter 9 of the General Financial Rules, 2017, as amended from time to time, read with the Government of India's decisions incorporated there-under, and any other guidelines which may be issued in this regard. The standard terms & conditions governing Grants-in-Aid (**Annexure-III**) is accepted by all concerned agencies. All financial transactions will be subject to the requirement of the Fiscal responsibility & Budget management Act.

## 8. APPOINTMENT OF CHIEF INVESTIGATOR & CO-CHIEF INVESTIGATOR

To ensure the successful implementation of the Project, Implementing Agency will appoint a Chief Investigator and a Co-Chief Investigator for the Project. The Chief Investigator will have the overall responsibility of the implementation of the Project. During the period the Chief Investigator is not available, the Co-Chief Investigator will perform the duties of the Chief Investigator. The Chief and Co-Chief Investigator of the Project will not be changed as far as possible during the course of the Project.

*Md*

*Loree Bhargava*

*msf*

*SS Nanda*

*[Signature]*

*[Signature]*

**Director**

Malaviya National Institute of Technology Jaipur  
JAIPUR-302017 (Rajasthan)



## 9. DURATION OF THE PROJECT

The project duration is five years from the date of Administrative Approval i.e. 26.04.2024. Any need for its extension, if essential, will be reviewed by the Project Review & Steering Group (PRSG) for its further consideration and approval by MeitY. However, it would be the endeavor of both parties to this MOU to complete the Project within the stipulated period. MeitY will not bear any expenditure towards recurring, upgradation or maintenance expenses after the completion of the Project.

## 10. COMPLETION OF PROJECT

The Project shall be deemed to have been successfully completed when Implementing Agency achieves the desired objectives of the Project as brought out in this MOU. Implementing Agency will submit a Project Completion Report within one month of the completion of the project.

## 11. INTELLECTUAL PROPERTY RIGHTS (IPRs)

11.1. Implementing Agency shall make all efforts to protect Intellectual Property generated out of the Project. They will first examine IPR protection issues in consultation with IPR Cell, MeitY to file patents, register copyrights, designs, trademarks etc., before making it public by publishing in the technical journals and books, presenting findings in conferences etc.

11.2. Intellectual Property and the rights associated with it shall be assigned jointly to MeitY and Implementing Agency. In cases where funding has been done jointly with other organisations, the IP Rights would be appropriately shared.

## 12. REPRESENTATION AND WARRANTIES

The parties hereby represent and warrant to each other:

- i. That it is duly established and existing under the laws of jurisdiction stated against its name herein above and has the power and authority to sign this MOU and implement the Programme agreed to herein.
- ii. That it has the requisite legal power and authority to enter into this MOU, perform and comply with its duties and obligations hereunder.
- iii. That this MOU constitutes legal, valid and binding obligations enforceable against it in accordance with the terms hereof:
- iv. That the execution, delivery and performance of this MOU have been duly authorized by all requisite actions and will not constitute a violation of (a) any statute, judgment order, decree or regulation of any court, Governmental Instrument or arbitral tribunal applicable or relating to itself, its assets or its functions or (b) any other documents or to the best of its knowledge any indenture, contract or agreement to which it is a party or by which it may be bound.
- v. That there are no actions, suits or proceedings pending or, to the best knowledge threatened against it before any Court, Governmental Instrument or arbitral tribunal that restrain it from performing its duties and obligations under this MOU; and that no representation or warranty made herein contains any untrue statement.
- vi. Parties shall respect and abide by laws of India in carrying out respective responsibilities/fulfilling obligations under this MOU. Parties shall not commit any act/omission which will be illegal/unlawful/unethical/immoral.

*Sanjay Bherga*

*S. Nanda*

*[Signature]*

*[Signature]*

Director  
National Institute of Technology Jaipur  
JAIPUR-302017 (Rajasthan)



### 13. CONFIDENTIALITY

Implementing Agency undertakes on its behalf and on behalf of its subcontractors/ employees to maintain strict confidentiality of the Project including, but without limitation to, the R&D work and know-how generated and prevent, disclosure thereof, for any purpose, other than in accordance with this MOU. MeitY, in turn, will also ensure confidentiality as required for the Project. The provisions of this clause will outlive this MOU.

### 14. UTILIZATION OF TECHNOLOGY GENERATED UNDER THE PROJECT

Implementing Agency will have the right to distribute Awareness Material, Learning Material developed or other IPR's generated through the project for use by others. However, this arrangement is subject to the terms and conditions of grant-in-aid prescribed by MeitY. Implementing Agency will also inform MeitY about such an arrangement.

### 15. FORCE MAJEURE

Neither party shall be held responsible for non-fulfillment of their respective obligations under this MOU due to the exigency of one or more of the force majeure events such as, but not limited to, Acts of God, war, flood, earthquakes, strike, lockouts, epidemics, riots, civil commotion etc., provided on the occurrence and in cessation of any such event, the party affected thereby shall give a notice in writing to the other party immediately after but not later than one month of such occurrence and cessation. The period between the occurrence and cessation of such event will be excluded while calculating the period during which the party has to perform his obligations under this MOU. If the force majeure conditions continue beyond six months, the parties shall then mutually decide about the future course of action.

### 16. TERMINATION OF THE PROJECT

16.1. MeitY will have the right to terminate the MoU based on recommendation of the PRSG at any stage, if it is satisfied that:

- a) The money released has not been properly utilized, or
- b) Appropriate progress on the Project is not being made, or
- c) The Project is not being carried out as per the terms and conditions and/or as per the nature and scope of work as defined in the administrative approval and approved proposal.

16.2. Upon termination of this MoU for whatever causes MeitY shall make payment of all money due after taking into account amounts previously paid together with:

- a) The total value of the Project work completed/initiated up to the date of termination;
- b) The materials/ goods/ services or ordered /sub contracted/hired and man power engaged/ hired /committed for the project for which remaining parties in MoU has paid or is bound to pay.
- c) The cost of removal from the Installation Site of any property of remaining parties.
- d) Any cancellation charges payable to IA's sub-contractors.
- e) On the expiration or termination of this agreement, each party will pay any amounts it owes to the other party, including payment obligations for services already rendered, work already performed, goods already delivered, or expenses already incurred.

16.3. If implementing agency faces difficulties in implementing the Project for any techno-economic and reasons other than the above, based on the recommendations of the

*Signature*

*Lava Bhargava*

*Signature*

*S. Nanda*

*Signature*

*Signature* Director  
Malaviya National Institute of Technology Jaipur  
JAIPUR-302017 (Rajasthan)



PRSG and as directed by MeitY, the implementing agency shall pay back all unspent MeitY grants released and Hardware & Software supplied for the Project and any amounts recoverable by way of disposal of assets procured out of MeitY funds.

- 16.4. If Implementing agency abandons the Project on its own without approval of MeitY, then MeitY will have the right to recover from implementing agency, as the case may be, the money disbursed and Hardware/Software procured for the Project, along with 12% simple interest.

## 17. SAVING PROVISIONS

Implementing Agency agrees to disclose and provide MeitY or its authorized representative or agency, such disclosure, the know-how, the related process and the intellectual property rights to use and practice the same for the purpose of experimentation and/or further research or development thereof, with the right to manufacture, sell and vend the "Products" in such a manner as Government of India may, in its judgment decide, for "Government purposes", or otherwise in public interest.

MeitY may compensate Implementing Agency for such commercial exploitation of the know-how, process and related IPR. Decision of Secretary, MeitY in regard to such compensation shall be final.

## 18. VALIDITY

- 18.1. The Project commencement will be w.e.f from the date of the Administrative approval.  
18.2. The duration of this MOU will be for period of five years or till completion of the Project.  
18.3. Any matter not covered specifically in the MoU may be settled by mutual agreement. On points of disagreement, the matter may be referred to Secretary, MeitY for decision, which shall be final and binding on all Parties.

## 19. LIMITATION OF LIABILITY

Neither Party shall be liable to other party(s) in contract, tort, negligence, breach of statutory duty or otherwise for any loss, damage, costs or expenses of any nature whatsoever incurred or suffered by that other Party(s) that are: (a) of direct, indirect, special, or consequential nature; or (b) any loss of turnover, profits, contracts, business opportunity, or goodwill; or (c) in respect of lost, incorrect, or spoiled data. Parties shall take adequate care & issue suitable guidelines to their staff to ensure that no activity affects integrity of data /hardware /software or the work of all associated organizations.

## 20. INDEMNITY

Either party shall keep the other party(s), its affiliates, shareholders, officers, directors, employees, agents, representatives, and customers indemnified and harmless from and against any and all costs, liabilities, losses, and expenses (including, but not limited to, reasonable fees of attorneys) arising out of any claim, suit, action or proceeding (each, an "Action"), for any act(s) and omissions of such party under any proposal(s) to Prospective client(s) or any resulting contract(s) there from or any incidental matter or in any way arising there from.

## 21. DISPUTE RESOLUTION, GOVERNING LAW AND JURISDICTION

In case, any dispute / claim arises between the Parties with respect to the implementation issues / performance of responsibilities of this MoU, including its validity, interpretation,



implementation or alleged material breach of any of its provisions or regarding a question, including the questions as to whether the termination of this MoU by one Party hereto has been legitimate, both Parties hereto shall endeavour to settle such dispute amicably.

If the Parties fail to bring about an amicable settlement within a period of 60 (sixty) days, dispute shall be referred by either party for resolution through Administrative Mechanism for Resolution of CPSEs Disputes (AMRCD) as mentioned in Department of Public Enterprises OM No. DPE OM 4(1)/2013-DPE (GM)/FTS-1835, dated 22-May-2018 and/or further extant directions of Department of Public Enterprises (DPE) in such regards. The venue of the AMRCD proceedings shall be New Delhi.

If at the time of occurrence of dispute, the mandate of Arbitration through AMRCD/PMA is not in existence or not applicable, dispute shall be referred to the sole arbitrator appointed mutually by Parties. Arbitration proceedings shall be conducted in accordance with the provisions of the Arbitration and Conciliation Act, 1996, and the Rules made there under, or any legislative amendment or modification made thereto. The venue and seat of the arbitration shall be New Delhi. The Parties to the dispute will share the cost of proceedings equally. The language of proceedings shall be English. The award given by the arbitrator shall be final and binding on the Parties.

This MoU shall be governed by and interpreted in accordance with the laws of India. Courts in New Delhi shall have the exclusive jurisdiction to try, entertain and decide the matters which arise between the parties of this MoU or consequent to actions taken in the accordance with this MoU and that are beyond the ambit of the Arbitration.

## **22. NOTICES**

Any notices to be given hereunder except for termination, shall be given by either party to the other may be effected either by personal delivery in writing or by fax with a second copy sent by airmail, registered or certified, postage prepaid with return receipt requested, or by recognized international courier service. Mailed notices shall be addressed to the parties at the addresses appearing in the introductory paragraph of this MoU, but each party may change such address by written notice in accordance with this paragraph. Notices delivered personally will be deemed communicated as of actual receipt. Mailed notices will be deemed communicated as of Seven (7) clear days after mailing.

## **23. ASSIGNMENT AND TRANSFER**

Any and all rights, duties and obligations of the parties under this MoU shall not be transferred or assigned by either party to any third party without prior written consent of the other party.

## **24. NON-WAIVER**

The failure or neglect by either of the Parties to enforce any of the terms of this MoU shall not be construed as a waiver of its rights preventing subsequent enforcement of such provision or recovery of damages for breach there-off.

## **25. SEVERABILITY**

The invalidity or unenforceability of any provision of this MoU shall not affect the validity or enforceability of any other provision of this MoU that shall continue in full force and effect except for any such invalid and unenforceable provision.

Lava Blongam

msf

S. Nanda

[Signature]

[Signature]  
Director  
Malaviya National Institute of Technology Jaipur  
JAIPUR-302017 (Rajasthan)



**26. NO PARTNERSHIP**

Nothing in this MoU shall be deemed to either constitute or create an association, trust, partnership or joint venture between the Parties nor constitute either party the agent of the other party for any purpose.

**27. HEADINGS**

The headings shall not limit, alter or affect the meaning of the Clauses headed by them and are solely for the purpose of easy reference.

**28. ENTIRE MOU**

This MoU, sets forth the entire understanding of the Parties with respect to the subject matter hereof, and supersedes all prior oral and written agreements, understandings, representations, conditions and all other communications relating thereto.

**29. MODIFICATIONS TO THE MEMORANDUM OF UNDERSTANDING**

The MOU can be modified through mutual written consent of all the parties to this MOU.

**30. SEAL OF PARTIES**

In witness whereof the parties hereto have signed this MEMORANDUM OF UNDERSTANDING on the day, month and year mentioned herein before.

.....  
[For and on behalf of the President of India]  
Ministry of Electronics and Information  
Technology, Government of India  
Electronics Niketan, 6, CGO Complex  
New Delhi – 110003.

.....  
[For and on behalf of Implementing  
Agency] **MNIT JAIPUR**

.....  
**Director**  
Malaviya National Institute of Technology Jaipur  
JAIPUR-302017 (Rajasthan)  
.....  
.....

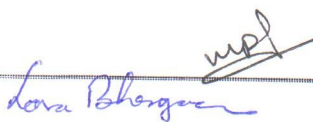
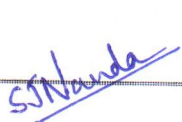
**IN THE PRESENCE OF WITNESSES**

Signature:  
Name:  
Designation:  
Address:

Signature:   
Name: **PROF. M.L. MITTAL**  
Designation: **Dean, R & C**  
Address:

**DEAN**  
**Research & Consultancy**  
**Malaviya National Institute of Technology Jaipur**  
**JAIPUR-302017**





## **LIST OF ANNEXURES**

|                     |                                                          |
|---------------------|----------------------------------------------------------|
| <b>Annexure I</b>   | Administrative Approval                                  |
| <b>Annexure II</b>  | The details on Electronics & ICT Academy Scheme-Phase-II |
| <b>Annexure III</b> | Terms and Conditions of Grants-in-Aid of MeitY           |







**Annexure-I**

F. No. L-14011/1/2024 –HRD  
Government of India  
Ministry of Electronics and Information Technology (MeitY)  
(HRD Division)

Electronics Niketan  
6, CGO Complex  
New Delhi – 110003

Dated: 26.04.2024

**Administrative Approval**

**Subject: Electronics & ICT Academy Scheme –Phase-II – reg.**

The undersigned is directed to convey the Administrative Approval for implementation of the Project entitled '*Electronics & ICT Academy Scheme – Phase-II*' with a total budget outlay of Rs 94.69 crores (Rupees Ninety four crore sixty nine lakh only) over a period of 5 years. The currency of the project would be subject to continuation of Digital India Programme beyond March, 2026. The detail of the project is given in the Annexure enclosed.

2. The funds would be released under the "Capacity Building and Skill Development" sub-scheme of the umbrella scheme 'Digital India Programme (DIP)' of MeitY.

3. This issues in exercise of the powers conferred on this Ministry in consultation with the Integrated Finance Division, MeitY vide efile no. 3132642 dated 19.04.2024 and with the approval of Secretary, MeitY vide efile no. 3132642 dated 19.04.2024.



(D.K. Sagar)  
Deputy Secretary to the Govt. of India  
011-24301234  
dineshk.sagar@meity.gov.in

Copy to:

1. The Principal Director of Audit, (Finance & Communications), Sham Nath Marg, Civil Lines, New Delhi - 110054
2. Pay & Accounts officer, MeitY
3. Drawing & Disbursing Section, MeitY
4. Finance Section, MeitY
5. DG(NIELIT) NIELIT Bhawan, Plot No. 3, PSP Pocket, Sector-8, Dwarka, New Delhi-110077
6. GC(HRD)
7. Concerned Implementing Agencies
8. Sanction Folder



(D.K. Sagar)  
Deputy Secretary to the Govt. Of India

## ANNEXURE

1. Name of the Scheme / Project : Electronics & ICT Academy Scheme – Phase-II
2. Objectives : The key objectives of Electronics & ICT Academy Scheme - Phase-II are as under:
  - To conduct specialized FDPs for faculty/mentor training in line with the vision of MeitY by promoting emerging areas of technology and other high priority areas that are pillars of both, the “Make in India” and the “Digital India” programmes
  - To promote synergy and collaboration with industry, academia, universities and other institutions of learning, especially in emerging technology areas.
  - To support the National Policy on Electronics 2019 (NPE 2019) which envisions positioning India as a global hub for ESDM sector, including MeitY Schemes/policies such as Programme for Semiconductors and Display Fab Ecosystem; India AI, National Programme on AI, Production Linked Incentive Scheme for IT Hardware & Large-Scale Electronics Manufacturing; EMC; SPECS; Chips to System (C2S); etc.
  - To promote standardization of FDPs through Joint Faculty Development Programs
  - To support the vision of the National Education Policy (NEP 2020), which mandates that Indian educators go through at least 50 hours in professional development programmes per year
  - To design, develop & deliver specialised FDPs on emerging technologies/ niche areas/ specialised modules for specific research areas for Faculty in Higher Education Institutions (HEI), besides FDPs on multi-disciplinary areas connected with ICT tools and technologies and other digital hybrid domains, covering a wider spectrum of engineering and non-engineering colleges, polytechnics, ITIs, and PGT educators
3. Targeted Beneficiaries : Faculty Members in Engineering/ Science / Arts/ Commerce colleges/ academic institutions, including Trainers in Polytechnic, ITIs, and other PGT educators. Candidates permitted to teach in these institutions would also be included.
4. Training Target : Training of 1,35,000 Faculty Members / Trainers  
(Year-wise break up & Implementing Agency (IA)-wise target details is at Appendix-II).
5. Name of the Implementing Agency (IA) :
  - (i) IIT Guwahati, Assam
  - (ii) IIT Roorkee, Uttarakhand
  - (iii) IIT, Kanpur, Uttar Pradesh
  - (iv) NIT Warangal, Telangana
  - (v) NIT Patna, Bihar
  - (vi) IIITDM Jabalpur, Madhya Pradesh
  - (vii) MNIT Jaipur, Rajasthan
  - (viii) ICT Academy, Tamil Nadu
  - (ix) NIELIT, Aurangabad, Maharashtra
  - (x) NIELIT, Calicut, Kerala
  - (xi) NIELIT, Gorakhpur, Uttar Pradesh
  - (xii) CDAC, Mohali, Punjab
  - (xiii) CDAC, Patna, Bihar
  - (xiv) CDAC, Hyderabad, Telangana

Programme Management Unit: National Institute of Electronics and Information Technology (NIELIT), HQ, New Delhi





6. Project Duration : 5 years
7. Project Outlay : Rs. 9468.82 Lakh with 100% GIA support from MeitY (as per details given below)

(Rs. in Lakh)

| Sl. No.  | Budget Head                                                                                                    | Year-1         | Year-2         | Year-3         | Year 4         | Year 5         | Total          |
|----------|----------------------------------------------------------------------------------------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|
| <b>A</b> | <b>IA</b>                                                                                                      |                |                |                |                |                |                |
| (a)      | Capital/ One-time Costs                                                                                        | 490.00         | -              | -              | -              | -              | 490.00         |
| (b)      | Recurring Expenses                                                                                             |                |                |                |                |                |                |
| i        | Funding Support for FDP                                                                                        | 1353.25        | 1353.25        | 1408.50        | 1512.75        | 1519.00        | 7146.75        |
| ii       | Facilitation/ Administrative charges for collaboration and synergy with various MeitY funded Schemes/ Projects | 63.00          | 63.00          | 63.00          | 63.00          | 63.00          | 315.00         |
| iii      | Project Based Manpower                                                                                         | 166.80         | 183.48         | 201.83         | 222.01         | 244.21         | 1018.33        |
|          | <b>Total (A)</b>                                                                                               | <b>2073.05</b> | <b>1599.73</b> | <b>1673.33</b> | <b>1797.76</b> | <b>1826.21</b> | <b>8970.08</b> |
| <b>B</b> | <b>Programme Management Unit</b>                                                                               |                |                |                |                |                |                |
| (i)      | Design & Development of Centralized portal & MIS                                                               | 40.00          | 15.00          | 15.00          | 15.00          | 15.00          | 100.00         |
| (ii)     | Impact Assessment                                                                                              |                |                |                | 40.00          |                | 40.00          |
| (iii)    | Manpower                                                                                                       | 45.60          | 50.16          | 55.18          | 60.69          | 66.76          | 278.39         |
| (iv)     | Travel/Transport                                                                                               | 6.00           | 6.00           | 6.00           | 6.00           | 6.00           | 30.00          |
| (v)      | Office Equipment (Capital)                                                                                     | 4.00           |                | 4.00           |                |                | 8.00           |
| (vi)     | Office Expenses / Contingencies/Miscellaneous                                                                  | 1.20           | 1.20           | 1.20           | 1.20           | 1.20           | 6.00           |
| (vii)    | Institutional Overheads @8% (excluding capital equipment)                                                      | 7.42           | 5.79           | 6.19           | 9.83           | 7.12           | 36.35          |
|          | <b>Total (B)</b>                                                                                               | <b>104.22</b>  | <b>78.15</b>   | <b>87.57</b>   | <b>132.72</b>  | <b>96.08</b>   | <b>498.74</b>  |
|          | <b>Grant-in-Aid (A+B)</b>                                                                                      | <b>2177.27</b> | <b>1677.88</b> | <b>1760.90</b> | <b>1930.48</b> | <b>1922.29</b> | <b>9468.82</b> |

- The year-wise budget details of the Implementing Agencies are at Appendix-I (enclosed).
- Funding Support for FDP includes cost for development of FDPs; honorarium to experts & coordinators, including TA/DA; refreshment & lunch expenses; hands-on training material, including consumables, hardware board/ kits; advertising & publicity; assessment & certification; and other miscellaneous charges.
- GIA support is inclusive of all applicable taxes.

8. Stages of supply of payment

(Rs. in Lakh)

| Release No.             | Pre-condition/ Stage of Implementation | Documentation to be supplied by Implementing Agency                      | Amount to be released |
|-------------------------|----------------------------------------|--------------------------------------------------------------------------|-----------------------|
| 1 <sup>st</sup> Release | Issue of Administrative Approval       | Signing of MOU and T&C by implementing Agency                            | 2177.27               |
| 2 <sup>nd</sup> Release | -                                      | Review of the deliverables & recommendation by PRSG and submission of UC | 1677.88               |
| 3 <sup>rd</sup> Release | -                                      | -do-                                                                     | 1760.90               |
| 4 <sup>th</sup> Release | -                                      | -do-                                                                     | 1930.48               |
| 5 <sup>th</sup> Release | -                                      | -do-                                                                     | 1922.29               |
|                         |                                        | <b>Total</b>                                                             | <b>9468.82</b>        |

(D.K. Sagar)  
Deputy Secretary to the Govt. Of India



## APPENDIX-I

## (Year wise break up of Financial Outlay)

Table-1: E&amp;ICT Academies at IIT Guwahati, IIT Roorkee, NIT Warangal, NIT Patna, IIITDM Jabalpur, MNIT Jaipur

| (In Rupees) |                                                                                                                |                 |                 |                 |                 |                 |                  |
|-------------|----------------------------------------------------------------------------------------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|
| Sl.No       | Head                                                                                                           | Year-1          | Year-2          | Year-3          | Year-4          | Year-5          | Total            |
| A           | <b>Capital</b><br>(For smart classrooms, CAD tools, licenses and cloud services of softwares/services, etc.)   | 5000000         | -               | -               | -               | -               | 5000000          |
| B           | <b>Recurring expenses</b>                                                                                      |                 |                 |                 |                 |                 |                  |
| (i)         | Funding Support for FDP                                                                                        | 15400000        | 15400000        | 16100000        | 17500000        | 17500000        | 81900000         |
| (ii)        | Facilitation/ Administrative charges for collaboration and synergy with various MeitY funded Schemes/ Projects | 900000          | 900000          | 900000          | 900000          | 900000          | 4500000          |
| (iii)       | Project-based Manpower                                                                                         | 1500000         | 1650000         | 1815000         | 1996500         | 2196150         | 9157650          |
|             | Sub-Total (B)                                                                                                  | 17800000        | 17950000        | 18815000        | 20396500        | 20596150        | 95557650         |
| C           | <b>Total Outlay (A+B)</b>                                                                                      | <b>22800000</b> | <b>17950000</b> | <b>18815000</b> | <b>20396500</b> | <b>20596150</b> | <b>100557650</b> |

Table-2: NIELIT Centre (Aurangabad, Calicut, Gorakhpur) and CDAC Centre (Mohali, Patna, Hyderabad)

| (In Rupees) |                                                              |                |                |                |                |                |                 |
|-------------|--------------------------------------------------------------|----------------|----------------|----------------|----------------|----------------|-----------------|
| Sl.No       | Head                                                         | Year-1         | Year-2         | Year-3         | Year-4         | Year-5         | Total           |
| A           | <b>Capital</b><br>(Lab refurbishments/ tools/ software etc.) | 1500000        | -              | -              | -              | -              | 1500000         |
| B           | <b>Recurring expenses</b>                                    |                |                |                |                |                |                 |
| (i)         | Funding Support for FDP                                      | 3125000        | 3125000        | 3125000        | 3125000        | 3125000        | 15625000        |
| (ii)        | Project-based Manpower                                       | 960000         | 1056000        | 1161600        | 1277760        | 1405536        | 5860896         |
|             | Sub-Total (B)                                                | 4085000        | 4181000        | 4286600        | 4402760        | 4530536        | 21485896        |
| C           | <b>Total Outlay (A+B)</b>                                    | <b>5585000</b> | <b>4181000</b> | <b>4286600</b> | <b>4402760</b> | <b>4530536</b> | <b>22985896</b> |

Table-3: ICT Academy (Tamil Nadu)

| (In Rupees) |                                                                                                                |                 |                 |                 |                 |                 |                 |
|-------------|----------------------------------------------------------------------------------------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Sl.No       | Head                                                                                                           | Year-1          | Year-2          | Year-3          | Year-4          | Year-5          | Total           |
| A           | <b>Capital</b><br>(Smart classrooms, CAD tools, licenses and cloud services of softwares/services, etc.)       | 5000000         |                 |                 |                 |                 | 5000000         |
| B           | <b>Recurring Expenses</b>                                                                                      |                 |                 |                 |                 |                 |                 |
| (i)         | Funding Support for FDP                                                                                        | 14175000        | 14175000        | 15500000        | 17525000        | 18150000        | 79525000        |
| (ii)        | Facilitation/ Administrative charges for collaboration and synergy with various MeitY funded Schemes/ Projects | 900000          | 900000          | 900000          | 900000          | 900000          | 4500000         |
| (iii)       | Project-based Manpower                                                                                         | 960000          | 1056000         | 1161600         | 1277760         | 1405536         | 5860896         |
|             | Sub-Total (B)                                                                                                  | 16035000        | 16131000        | 17561600        | 19702760        | 20455536        | 89885896        |
| C           | <b>Total Outlay (A + B)</b>                                                                                    | <b>21035000</b> | <b>16131000</b> | <b>17561600</b> | <b>19702760</b> | <b>20455536</b> | <b>94885896</b> |

Table-4: E&amp;ICT Academy at IIT Kanpur

| (In Rupees) |                                                                                                              |                 |                 |                 |                 |                 |                 |
|-------------|--------------------------------------------------------------------------------------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Sl.No       | Head                                                                                                         | Year-1          | Year-2          | Year-3          | Year-4          | Year-5          | Total           |
| A           | <b>Capital</b><br>(For smart classrooms, CAD tools, licenses and cloud services of softwares/services, etc.) | 5000000         |                 |                 |                 |                 | 5000000         |
| B           | <b>Recurring Expenses</b>                                                                                    |                 |                 |                 |                 |                 |                 |
| (i)         | Funding Support for FDP                                                                                      | 10000000        | 10000000        | 10000000        | 10000000        | 10000000        | 50000000        |
| (ii)        | Project-based Manpower                                                                                       | 960000          | 1056000         | 1161600         | 1277760         | 1405536         | 5860896         |
|             | Sub-Total (B)                                                                                                | 10960000        | 11056000        | 11161600        | 11277760        | 11405536        | 55860896        |
| B           | <b>Total Outlay (A+B)</b>                                                                                    | <b>15960000</b> | <b>11056000</b> | <b>11161600</b> | <b>11277760</b> | <b>11405536</b> | <b>60860896</b> |



**Table-5: Project Management Unit (PMU) - NIELIT***(In Rupees)*

| Sl.No | Category                                                  | I               | II             | III            | IV              | V              | Total           |
|-------|-----------------------------------------------------------|-----------------|----------------|----------------|-----------------|----------------|-----------------|
| 1     | Design & Development of Centralized portal & MIS          | 4000000         | 1500000        | 1500000        | 1500000         | 1500000        | 10000000        |
| 2     | Impact Assessment                                         |                 |                |                | 4000000         |                | 4000000         |
| 3     | Manpower                                                  | 4560000         | 5016000        | 5517600        | 6069360         | 6676296        | 27839256        |
| 4.    | Travel/Transport                                          | 600000          | 600000         | 600000         | 600000          | 600000         | 3000000         |
| 5.    | Office Equipment (Capital)                                | 400000          |                | 400000         |                 |                | 800000          |
| 6.    | Office Expenses/Contingencies/Miscellaneous               | 120000          | 120000         | 120000         | 120000          | 120000         | 600000          |
| 7.    | Institutional Overheads @8% (excluding Capital Equipment) | 742400          | 578880         | 619008         | 983149          | 711704         | 3635140         |
|       | <b>Total Outlay</b>                                       | <b>10422400</b> | <b>7814880</b> | <b>8756608</b> | <b>13272509</b> | <b>9608000</b> | <b>49874396</b> |

*10% annual increment has been factored in manpower remunerations on y-o-y basis*

**Table-1 – Year wise break-up of training Target**

| Target |  |  | Year-1 | Year-2 | Year-3 | Year-4 | Year-5 | Total    |
|--------|--|--|--------|--------|--------|--------|--------|----------|
|        |  |  | 25,900 | 25,900 | 26,700 | 28,200 | 28,300 | 1,35,000 |

| Category                                               |                   |                                                                                                                          | Yr. I<br>(A) | Yr. II<br>(B) | Yr. III<br>(C) | Yr. IV<br>(D) | Yr. V<br>(E) | Target<br>(per Institution)<br>(F=A+B+C+D+E) | No. of<br>Institution<br>(G) | Overall<br>Target<br>(F * G) |
|--------------------------------------------------------|-------------------|--------------------------------------------------------------------------------------------------------------------------|--------------|---------------|----------------|---------------|--------------|----------------------------------------------|------------------------------|------------------------------|
| High-End FDPs<br>in E&ICT for<br>HEIs Faculty          | Lead<br>Academies | FDPs in Classroom<br>mode/NKN (Hub)<br>Mode @ Rs. 7000/-<br>per candidate                                                | 1400         | 1400          | 1500           | 1700          | 1700         | 7700                                         | 6                            | 46200                        |
|                                                        |                   | FDPs in NKN (Spoke)<br>mode @ Rs. 4000/-<br>per candidate                                                                | 1400         | 1400          | 1400           | 1400          | 1400         | 7000                                         |                              | 42000                        |
| ICT Academy,<br>Tamil Nadu                             |                   | (@ 7700 faculties in high-end<br>FDPs in IT through classroom<br>mode @ Rs. 7000/- per<br>candidate)                     | 1400         | 1400          | 1500           | 1700          | 1700         | 7700                                         | 1                            | 11800                        |
|                                                        |                   | (@ 4100 faculties in ITI/<br>Polytechnic FDPs in<br>classroom/ blended mode/<br>VILT mode @ Rs. 6250/- per<br>candidate) | 700          | 700           | 800            | 900           | 1000         | 4100                                         |                              |                              |
| Participating<br>Academy<br>(NIELIT &<br>CDAC Centres) |                   | (@ 2500 faculties in ITI/<br>Polytechnic FDPs in<br>classroom/ blended mode/<br>VILT mode @ Rs. 6250/- per<br>candidate) | 500          | 500           | 500            | 500           | 500          | 2500                                         | 6                            | 15000                        |
| E&ICT<br>Academy (IIT,<br>Kanpur)                      |                   | To conduct FDPs in Online<br>mode (self-paced) @Rs.<br>2500/- per candidate                                              | 4000         | 4000          | 4000           | 4000          | 4000         | 20000                                        | 1                            | 20000                        |
| Total Target                                           |                   |                                                                                                                          |              |               |                |               |              |                                              |                              | 1,35,000                     |

**Table-2 – Implementing Agency wise training Target**

| Category                              | Name of Academy                | High-End FDPs            |                     | ITI/ Polytechnic<br>FDPs<br>(classroom/ blended<br>mode/ VILT mode) | Online<br>Self<br>paced | Target <sup>3</sup> |
|---------------------------------------|--------------------------------|--------------------------|---------------------|---------------------------------------------------------------------|-------------------------|---------------------|
|                                       |                                | Class Room/<br>NKN (hub) | Spokes <sup>1</sup> |                                                                     |                         |                     |
| Lead<br>Academy                       | E&ICT Academy, NIT Warangal    | 7700                     | 7000                | -                                                                   | -                       | 14,700              |
|                                       | E&ICT Academy, MNIT Jaipur     | 7700                     | 7000                | -                                                                   | -                       | 14,700              |
|                                       | E&ICT Academy, IIT Guwahati    | 7700                     | 7000                | -                                                                   | -                       | 14,700              |
|                                       | E&ICT Academy, IIITDM Jabalpur | 7700                     | 7000                | -                                                                   | -                       | 14,700              |
|                                       | E&ICT Academy, NIT Patna       | 7700                     | 7000                | -                                                                   | -                       | 14,700              |
|                                       | E&ICT Academy, IIT Roorkee     | 7700                     | 7000                | -                                                                   | -                       | 14,700              |
|                                       | ICT Academy, Tamil Nadu        | 7700                     | -                   | 4100                                                                | -                       | 11,800              |
| Participating<br>Academy <sup>2</sup> | NIELIT Aurangabad              | -                        | -                   | 2500                                                                | -                       | 2500                |
|                                       | NIELIT Calicut                 | -                        | -                   | 2500                                                                | -                       | 2500                |
|                                       | NIELIT Gorakhpur               | -                        | -                   | 2500                                                                | -                       | 2500                |
|                                       | C-DAC Mohali                   | -                        | -                   | 2500                                                                | -                       | 2500                |
|                                       | C-DAC Patna                    | -                        | -                   | 2500                                                                | -                       | 2500                |
|                                       | C-DAC Hyderabad                | -                        | -                   | 2500                                                                | -                       | 2500                |
|                                       | E&ICT Academy, IIT Kanpur      | -                        | -                   | -                                                                   | 20,000                  | 20,000              |
| Total                                 |                                | 53,900                   | 42,000              | 19,100                                                              | 20,000                  | 1,35,000            |

<sup>1</sup> "Spoke institutions" preferably from tier-2/ tier3 cities may be engaged for the rollout of Joint FDPs in NKN-Spoke mode. The spoke institutions may include HEIs, such as IITs, NITs, IIITs, Technical Universities, State Universities, other academic institutions of repute.

<sup>2</sup> NIELIT & CDAC may also leverage the services of other Centres for achievement of targets.

<sup>3</sup> Targets assigned to IAs may be further rationalised based on the Annual performance.

Box



**Table-3 – Development of New/Unique FDPs**

Besides training of 1,35,000 faculty members, the Funding Support is inclusive of **development of 350 new/ unique FDPs** as per the following detail:

| Category              | Development of High-end FDPs | Development of FDPs for ITI/Polytechnic | No. of Academy | Total      |
|-----------------------|------------------------------|-----------------------------------------|----------------|------------|
| Lead Academy          | 30                           | -                                       | 6              | 180        |
| Participating Academy | -                            | 20                                      | 6              | 120        |
| ICT Academy           | 20                           | 30                                      | 1              | 50         |
| <b>Total FDPs</b>     |                              |                                         |                | <b>350</b> |

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### Salient features of Electronics & ICT Academy Scheme-Phase-II

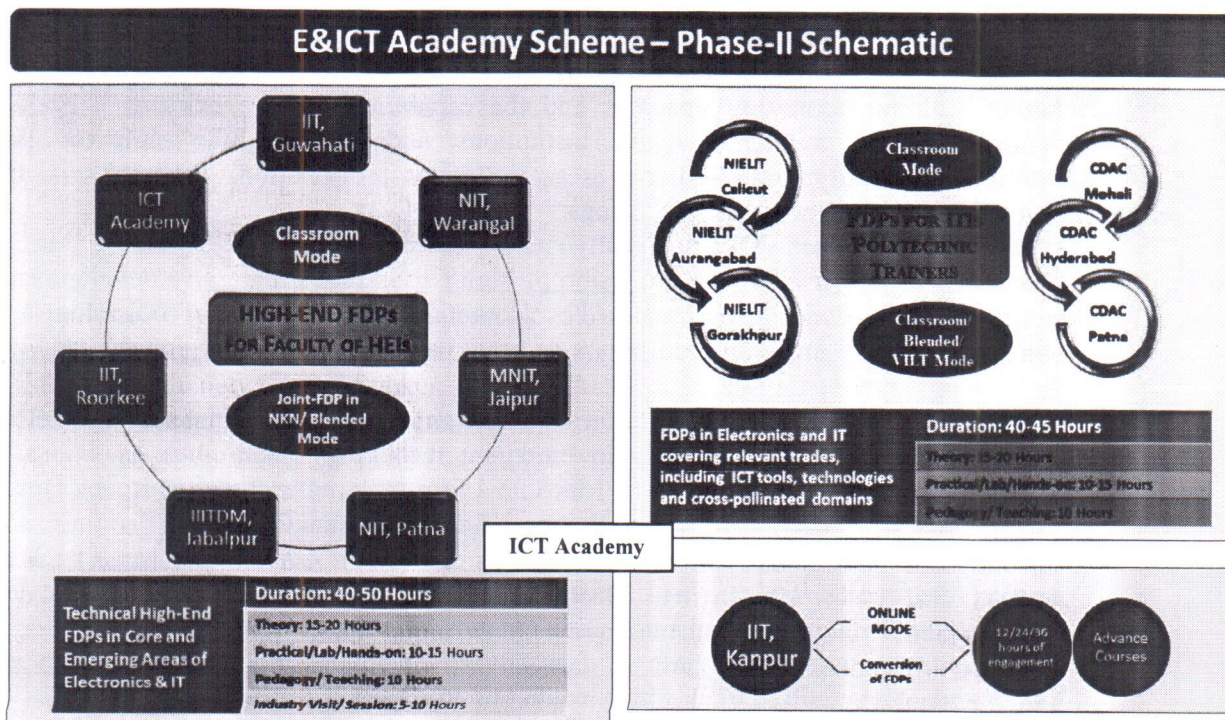
#### I.Objectives

The E&ICT Academy Scheme Phase-II would continue to focus on improving the quality of faculty of institutes, colleges States/UTs by organizing faculty training programmes by leveraging building upon the capacities and the capabilities of the existing 7 E&ICT Academies setup in premier academic institutions, and extending the same to other institutions, specifically in tier-2/tier-3 areas for wider proliferation. Towards this, the Scheme would aim to achieve the followings:

- To conduct specialized FDPs for faculty/mentor training in upcoming/emerging areas of Electronics & ICT in line with the vision of MeitY to induce progressive developments and competitive advantage across board by promoting emerging areas of technology and other high priority areas that are pillars of both, the “Make in India” and the “Digital India” programmes.
- To promote synergy and collaboration with industry, academia, universities and other institutions of learning, especially in emerging technology areas such as 5G, IoT/ Sensors, Artificial Intelligence (AI), Machine Learning, Augmented Reality (AR) and Virtual Reality (VR), Drones, Robotics, Additive Manufacturing, Gaming and Entertainment, Photonics, Nano-based devices, as well as other thrust areas such as medical electronics, defence and strategic electronics, automotive electronics, cyber security, power electronics and automation at the faculty and student levels.
- To upgrade the knowledge base of faculties by leveraging the National Policy on Electronics 2019 (NPE 2019) which envisions to position India as a global hub for ESDM, including MeitY Schemes/policies that aims to bring the benefits of electronics to every walk of life, such as Programme for Semiconductors and Display Fab Ecosystem[India Semiconductor Mission (ISM), Semiconductor Fabs and Display Fabs, Semi-conductor Laboratory (SCL)]; Production Linked Incentive Scheme for IT Hardware& Large-Scale Electronics Manufacturing; EMC; SPECS; Chips to System (C2S); etc.
- To promote standardization of FDPs including assessment/ certification across the network of E&ICT Academies, including a wider network of institutions through a hub-and-spoke model. Standardization would also be promoted through Joint Faculty Development Programs through syllabus design of FDPs by experts from the reputed/premier institutes and sharing of resources over a common platform.
- To support the vision of the National Education Policy (NEP 2020), which mandates that Indian educators go through at least 50 hours in professional development programmes per year. Considering that technology has become a critical tool in education, and after the COVID-19 pandemic, its necessity has increased manifolds, therefore, through educator conferences; self-motivated research; teacher workshops; teacher-to-teacher mentorship programs, etc., the E&ICT Academy Scheme – Phase-II would also aim to undertake professional development for better instruction for improved pedagogy and student learning, including providing advice and support for technical incubation and entrepreneurial activities.
- To design, develop and deliver specialised FDPs on emerging technologies/ niche areas/ specialised modules for specific research areas for Faculty/ Teachers/ Mentors/ Professor of Practice/ Research Scholars in Higher Education Institutions (HEI), besides FDPs on multi-disciplinary areas connected with ICT tools and technologies and other digital hybrid domains, covering a wider spectrum of engineering and non-engineering colleges, ITIs, polytechnics, and PGT educators.



## II.Phase-II – Schematic



**Target:** 1,35,000 beneficiaries (Faculty/Trainers – HEIs, ITIs, Polytechnic, etc.)

**FDPs:** 350 (new/ unique)

**Duration:** 5 years

The E&ICT Academy Phase-II Schematic takes into account a hub-and-spoke framework for wider proliferations, wherein the existing Academies would act as a “hub” and provide support to a network of Spokes of Lead Academy, besides, ICT Academy Tamil Nadu, E&ICT Academy IIT Kanpur and Participating Academies viz. NIELIT/C-DAC Centre. In this context, the hub-and-spoke framework would function as an overarching mechanism as per details hereunder:

- The Electronics & ICT Academies set up at premier and leading academic institutions, namely (i) NIT Warangal (ii) IIITDM Jabalpur (iii) IIT Guwahati (iv) NIT Patna (v) IIT Roorkee and (vi) MNIT Jaipur would serve the role of a “Lead Academy” and focus on high-end FDPs especially for Engineering faculty. Based on the direction of Academic Council, the Lead Academies would play a vital role in design/development of curriculum for the targeted faculty. Lead Academies would be responsible for overall scheme implementation and ensure the achievements of targets and outcomes of high-end FDPs through both their own institutional framework as well as the network of Spokes.
- Each Lead Academy would identify Spokes (in prominent institutions, preferably in tier-2/tier-3 cities) for the delivery of Joint FDPs through NKN mode for wider reach and proliferation. This in essence would enhance the reach of a high-end FDP designed and developed by the Lead Academies. It is also envisaged that in addition to the existing FDPs, the Lead Academies would also design and develop 180 high-end new FDPs (@30 new FDP per Academy).
- In addition to Lead Academies and Spokes for the roll-out of high-end FDPs, the capacities/capabilities of the NIELIT & CDAC ecosystem would also be leveraged. Towards this, NIELIT (Centres at Aurangabad, Calicut and Gorakhpur) and CDAC (Centres at Mohali, Patna and Hyderabad) ‘Participating Academies’ each, which would be responsible for rollout of FDPs for the faculty/trainers of Polytechnic, ITI and PGTs (post-graduate STEM teachers in schools). Towards this, it is also envisaged that NIELIT



& CDAC Centres as Participating Academies would design and develop 120 FDPs @ 20 FDP per centre.

- Besides, Lead Academy and Participating Academy, ICT Academy, Tamil Nadu, which was set up by MeitY, would also be leveraged for delivery of high-end FDPs; and, FDPs for the faculty/trainers of Polytechnic, ITI and PGTs. Towards this, it is also envisaged that ICT Academy would design and develop 60 FDPs (30 High-end FDPs & 30 FDPs for Polytechnic, ITI and PGTs).
- The E&ICT Academy at IIT, Kanpur has developed an online platform for course development and training of faculty through the i-SPED (self-paced learning mode). Thus, the delivery mechanism is through continuous engagement mode, including video, audio testing and evaluation mechanism.

### III. Focus Areas

In line with the MeitY vision areas, it is envisaged that the E&ICT Academies and ICT Academy, Tamil Nadu would focus on niche/ emerging technologies, such as AI, High-Performance Computing, IOT, Cloud Computing, Embedded Systems etc., including pedagogical approaches for teaching emerging technologies; developing new curricula for FDPs & assessment strategies; collaborating with industry on emerging technologies research, and disseminating such research for wider proliferation. Towards this, some of the indicative focus areas of the respective Academies are as under:

| E&ICT Academy   | Focus Areas                                                                                                                                                                                                                                                                                                                                                 |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NIT Warangal    | Databases, Big Data Analytics, Wireless Sensor Networks, Embedded Systems and Wireless Communication                                                                                                                                                                                                                                                        |
| IIT Roorkee     | VLSI design and Technology, FPGA-based VLSI design, Microelectronics Devices, RF Circuits, Communication and Signal Processing, AI, Big data, Cloud, Software Engineering, Cloud Computing and Cyber Security, Android programming, Data Mining, Information Security, Bio-Informatics                                                                      |
| MNIT Jaipur     | Embedded Systems Design & Security, Computer Networking & Security, Nano-Electronic Devices & Circuits, Soft-Computing & Data Mining                                                                                                                                                                                                                        |
| IIITDM Jabalpur | IT-enabled Design and Manufacturing                                                                                                                                                                                                                                                                                                                         |
| NIT Patna       | Security, VLSI Design, Embedded System and Antenna                                                                                                                                                                                                                                                                                                          |
| IIT Guwahati    | VLSI, Signal Processing, Communication, HPC, Security, Embedded Systems, RF and Microwave, Programming Languages, Big Data Analytics, Computational Fluid Dynamics, Computational Biology, Computational Physics, Finite Element Method, Solar Photovoltaics and Renewable Energy, Technologies for Smart City, IoT, AI, ML, ICT, Mentoring Pedagogy, OOPS. |
| IIT Kanpur      | Software Programming, Big Data and Analytics, Cloud Computing and Cyber Security, Industry focused IT and Management Certification Courses, MOOCS & Innovative Delivery Mechanisms                                                                                                                                                                          |

It may also be important to assist faculty members to develop the skills and knowledge they need to teach and conduct research in interdisciplinary areas, design of new FDPs that incorporate multiple disciplines; effective teaching, learning and assessment strategies for interdisciplinary learning; inclusive learning environments to teach students about diversity and inclusion, etc.

Considering that the Participating Academies i.e NIELIT and CDAC Centres and ICT Academy, Tamil Nadu would focus on the roll out of FDPs, specifically for the faculty/ trainers of ITIs /



polytechnics and PGTs, some focus areas connected with the existing trades would include the followings:

| Focus Areas                             | Topics                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Electrical Engineering                  | <ul style="list-style-type: none"> <li>• Analog Electronics,</li> <li>• Electrical and Electronics Engineering Materials</li> <li>• Installation and Maintenance of Electrical Equipment</li> <li>• Digital Electronics and Microprocessors</li> <li>• Electrical Machines</li> <li>• Electrical Engineering Design and Drawing</li> </ul>                                                                                            |
| Electronics & Communication Engineering | <ul style="list-style-type: none"> <li>• Electronic Instrument and Measurements</li> <li>• Principles of Communication Engineering</li> <li>• Advanced Communication</li> <li>• Electronic Design and Fabrication Techniques</li> <li>• Network Filters Transmission Lines</li> <li>• Mobile Communication</li> <li>• Microwave and Radar Engineering</li> <li>• Consumer Electronics</li> <li>• Digital Signal Processing</li> </ul> |
| Computer Science Core Subjects          | <ul style="list-style-type: none"> <li>• Operating System and Application Program</li> <li>• Computer Center Management</li> <li>• Database Management System</li> <li>• Wireless and Mobile Communication</li> <li>• System Software</li> </ul>                                                                                                                                                                                      |

#### IV. FDPs – Salient features

- The high-end FDPs would be delivered either in classroom mode or NKN mode.
- Considering that the Faculty members in addition to their academic responsibilities were also involved in other activities connected with admissions, exams, proctoring etc., FDPs may take into account that the training does not adversely affect their teaching commitments/ internal operations.
- The Academic Council under the E&ICT Academy Scheme has introduced the NKN mode of delivery during summer and winter vacations of technical/ engineering institutions, wherein NKN courses are delivered jointly by Academies by way of identifying experts of leading and premier academic institutions like IITs, NITs & IIITs etc. Industry experts were also involved as per the need of the course.
- Hands on/ Lab sessions are addressed locally through identified persons at concerned institutes. The lectures on Pedagogy and Soft Skills would also be delivered locally/ centrally for some of the courses.
- The duration of FDPs delivered through the classroom/ NKN mode would typically be 40-50 hours, with 15-20 hrs for theory/lectures; 10-15 hrs for practical/labs/ hands-on activities linked to design-oriented activity/ problem solving/ case studies sessions, etc.; 10 hrs. for pedagogy/teaching methodologies; and 5-10 hrs for industry visit/session.
- Technical talks by area experts from IITs/NITs/IIITs/CFTIs, institutions abroad (while they arrive in our country on their own for attending conferences etc.) and persons from reputed industries would also be scheduled.
- An end-of-course evaluation/ assessment would be carried out, in addition to quizzes during the training period. Certificates would be granted to only those participants who pass the evaluation and the required attendance criterion.
- For training in Online (blended learning / VILT) Mode (especially for trainers of ITIs / Polytechnic / PGT (STEM) through NIELIT and CDAC participating academies, the programme would consist of online live lectures/talks/demonstration. The duration would be



pre-decided as in case of in-person programmes i.e. 40-45 hours duration; it may also be of larger duration e.g. 80 hours depending on contents desired. It would have the essential features of conventional classroom programmes except that expert delivering talk/demonstration is at a place of her/his convenience and participants are at their own place of convenience (their own institution, home, etc.). Candidates would undertake laboratory and demonstration work with the support of CAD tools, and open source tools, which would be made accessible to them OR through electronic kits pre-supplied to the candidates. The Computer-based modelling, simulation and CAD-based assignments are very popular, especially when the original company is benevolent and at times provides support to the programme by way of temporary licenses for each participant.

- For training in Online (self-paced learning) Mode, the facility developed by IIT, Kanpur under the existing phase would be leveraged. The programme would consist of online pre-recorded lectures/talks/demonstration. The duration is flexible and a participant can complete at her/his own pace of learning. In this case, query resolution is non-synchronous and takes place through discussion board OR question-answer messaging. The duration of FDPs norms indicated under AICTE Circular F.No. AICTE/P&AP/Misc./2021 dated 20.12.2021 would also be considered.

## **V. Centralized Portal & MIS**

Design and Development of a centralized portal is intended to host pertinent information regarding E&ICT Academies, upcoming courses, beneficiary details, beneficiary testimonials, course summaries, and the Management Information System (MIS). This portal will also include links to all implementing agencies. The central portal will also serve MIS purposes, with implementing agencies responsible for uploading and updating data through their respective login credentials.

In the future, information about individual academies, such as delivered courses, testimonials, galleries, upcoming courses, participant details, and certificates, will also be retrieved from the respective academy websites. The tentative list of available information on the portal includes:

- Details of upcoming FDPs
- Registration links for FDPs
- Monthly beneficiary totals
- New and updated gallery photographs
- A platform for suggesting improvements
- Common brochures for joint Faculty Development Programs (previous and current)
- Disclaimer statements
- Testimonials

To ensure the seamless operation of the central portal, login credentials will be created for each implementing agency. These logins will grant academies the ability to update various activities, such as adding upcoming FDPs, providing registration links, updating beneficiary statistics, submitting new gallery photographs, and offering suggestions for improvement. The portal will also feature Common Brochures for joint Faculty Development Programmes, information on HRD MeitY activities, disclaimers, testimonials, and other relevant content.



## **VI. Project Management Unit (PMU)**

A Programme Management Unit (PMU) to be set up at NIELIT(HQ), New Delhi to professionally manage and support the Ministry in the implementation and monitoring of the scheme at a National scale. The PMU activities majorly comprise of technical as well as administrative-cum-financial coordination amongst the various implementing agencies for delivery of joint FDPs, conducting day-to-day central level monitoring, providing support to MeitY for various review committees, finalization/circulation of common brochure to all States/UTs, Coordination with AICTE, UGC and other state technical directorates, preparation/ consolidation of various inputs w.r.t scheme for further submission to PMO, RTI, Parliament, NITI Aayog (DMEQ) etc, Publicity/awareness of the project, logistic arrangements, Secretarial support and Fund management of GIA allocated under the project (release of GIA & UC liquidation) to the various implementing agencies, facilitate third-party impact assessment of the project, etc. In addition, the PMU would also facilitate the design and development of a centralized portal, including capturing of data and management of MIS.

## **VII. Outcome/ Deliverables envisaged under E&ICT Academy Scheme – Phase-II:**

1. Training of 1,35,000 Faculty Members/Trainers in Engineering and non-engineering colleges, Polytechnic, ITI and PGT educators
2. Besides training of faculty members, at least 350 new/ unique FDPs would be developed in niche/ state-of-the art technological areas, considering future-of-work and integration of industry specific requirement
3. Capable faculty in Higher Educational Institutions (long term) by enhancing their teaching abilities
4. Increased knowledge and understanding of specific engineering topics or areas of research, allowing faculty to better serve as experts and mentors for students
5. Faculty members stay updated with the latest developments and advancements in their respective disciplines.
6. Enhanced use of technology and other resources in the classroom, which can improve student learning and engagement
7. Increased professional recognition and career advancement for participating faculty members.

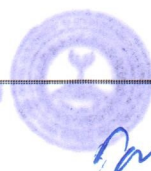
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**Terms & Conditions Governing the Grant-In-Aid**

- i. The grant is for the specific project as approved by Ministry of Electronics and Information Technology (MeitY) and shall be subject to the following conditions:
  - o The grant amount shall be spent for the project within the specified time,
  - o Any portion of the grant which is not ultimately required for expenditure for the approved purposes shall be duly surrendered to MeitY.
- ii. The grantee institution shall maintain an audited record in the form of a register in the prescribed proforma for permanent, semi-permanent assets acquired solely or mainly out of MeitY grant;
- iii. The assets referred to in (ii) above will be property of MeitY and should not, without prior sanction of MeitY, be disposed off or encumbered or utilised for the purposes other than those for which the grant has been sanctioned. An undertaking shall be given by the grantee institution that they agree to be governed by these conditions;
- iv. At the conclusion of the project, MeitY will be free to sell or otherwise dispose of the assets which are the property of MeitY and grantee institution shall render to MeitY the necessary facilities for facilitating the sale of these assets;
- v. The grantee institution shall send to the Ministry of Electronics and Information Technology at the end of each financial year as well as at the time of seeking further instalments of the grant a list of assets referred to in (ii) above;
- vi. Should at any time grantee institution cease to exist, such assets etc., shall revert to MeitY;
- vii. The grantee institution shall render progress-cum-achievement reports at interval of not exceeding six months on the progress made on all aspects of the project including expenditure incurred on various approved items during the period.
- viii. The grantee institution shall render an audited statement of accounts to MeitY.
- ix. The audited statement of accounts relating to grants given during financial year together with the comments of the auditor regarding the observance of the conditions governing the grant should be forwarded to the Ministry of Electronics and Information Technology within six months following the end of the relevant financial year;
- x. The utilisation of grant for the intended purposes will be looked into by the Auditor of grantee institution according to the directives issued by the Government of India at the instance of the Comptroller and Auditor General and the specific mention about it will be made in the audit report;
- xi. MeitY or its nominee/s will have the right of access to the books and accounts of the grantee institution for which a reasonable prior notice would be given;
- xii. The grantee institution should maintain separate audited account for the project. If it is found expedient to keep a part or whole of the grant in a bank account earning interest, the interest, thus earned should be returned to this Ministry.
- xiii. Sale proceeds of components, prototype, pilot project etc. fabricated as a result of the development of the project arising directly from funds granted by Ministry of Electronics and Information Technology shall be remitted back to MeitY;
- xiv. For know-how generated by the project, guidelines for TOT/know-how transfer as given in Chapter VI of the "Guidelines for funding R&D Projects by MeitY" will be applicable;
- xv. MeitY will have the right to call for drawings, specifications and other data necessary to enable the transfer of know-how to other parties and the grantee shall supply all the needed data at the request of MeitY;
- xvi. Application by grantee institution for any other financial assistance or receipt of grant/loan from any other Agency/Ministry/Department for this project should have the prior approval of Ministry of Electronics and Information Technology.
- xvii. The Grantee institution is not allowed to entrust the implementation of this project for which grant-in-aid is received to another institution and to divert the grant-in-aid received from Ministry of Electronics and Information Technology as assistance to the later institution

Chief Investigator  
Ministry of Electronics & Information Technology  
Government of India  
New Delhi - 110055

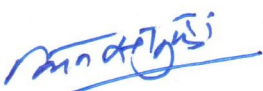


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- xviii. MeitY shall appoint a Project Review and Steering Group (PRSG) comprising of representatives from MeitY and other experts. PRSG will periodically monitor the project in all respects including technical and financial.
- xix. Grantee institution will examine IPR protection issues in consultation with IPR Cell, MeitY to file patents, register the copyrights etc. before making it public by publishing in the technical journals and books, presenting findings in Conferences etc.
- xx. Institutions shall be encouraged to seek protection of Intellectual Property Rights (IPR) to the results of research through R&D Projects. While the patent may be taken in the name(s) of investor(s), the institution shall ensure that the patent is assigned to it. The institution shall get its name entered in the Register of Patents as the proprietor of the patent. The Institution shall take necessary steps for commercial exploitation of the patent on exclusive/non-exclusive basis. The institution is permitted to retain the benefits and earnings arising out of the IPR. MeitY has a cell to guide and promote patent related matters (IPR cell).
- xxi. In case of any dispute on any matter, related to the project during the course of its implementation, the decision of Secretary, MeitY shall be final and binding on the institute.
- xxii. In case the grantee institution is in receipt of more than fifty per cent of their recurring expenditure in the form of grants-in-aid, then the grantee institution should ordinarily formulate terms and conditions of service of their employees which are, by and large, not higher than those applicable to similar categories of employees in Central Government and where it is not in accordance with the above, the relaxation of Ministry of Finance have been obtained as required under GFR 209(6)(iv)(a).
- xxiii. The grantee institution agrees to make reservations for Scheduled Castes and Scheduled Tribes or OBC in the posts or services under its control on the lines indicated by Government of India.
- xxiv. The accounts of the Grantee institution shall be audited by C&AG or by any person authorized by him on his behalf in accordance with the provisions laid down in Section 14 of the C&AG (DPC) Act, 1971 as amended from time to time.
- xxv. The accounts of the grantee institution shall be open for inspection by the sanctioning authority and audit, both by the Comptroller & Auditor General of India under the provision of C&AG (DPC) Act, 1971 and internal audit party by the Principal Accounts Office of the Ministry or Department whenever it is called upon to do so.
- xxvi. The grantee institution shall furnish certificate along with its request for release of Grants-in-Aid certifying that the fund released to them for which Utilization Certificate has not been issued, has been utilized exclusively in pursuance of object envisaged in their Rules/Memorandum and that the grant has been spent with the extent instruction/rules and with the approval of competent authority in each case.
- xxvii. The grantee institution shall furnish a performance-cum-achievement report to the Sanctioning Authority before the release of the next instalment of Grants-in-Aid.
- xxviii. The grantee institution will spend Grants-in-Aid exclusively in pursuance of the objectives envisaged in their rules/memorandum and for the purpose it is being sanctioned.
- xxix. Grants-in-Aid to the grantee institution is subject to the Economy Instructions issued from time to time by the M/o Finance or by the Competent Authority.
- xxx. Grants-in-Aid shall be utilized before the end of the financial year and unspent balance, if any will be refunded by the grantee institution to the Govt. of India.
- xxxi. Central Autonomous Organisations will maintain and present their annual accounts in the standard format, as required under GFR 209(6)(xiii).

**A certificate of acceptance of terms and conditions as mentioned above may be given by the Chief Investigator/ Head of the Institution (sign/stamp).**



**(Prof. Vineet Sahula)**  
Chief Investigator, MNIT Jaipur



**Chief Investigator**  
**Electronics & ICT Academy**  
Malaviya National Institute of Technology  
JLN Marg, Jaipur - 302017