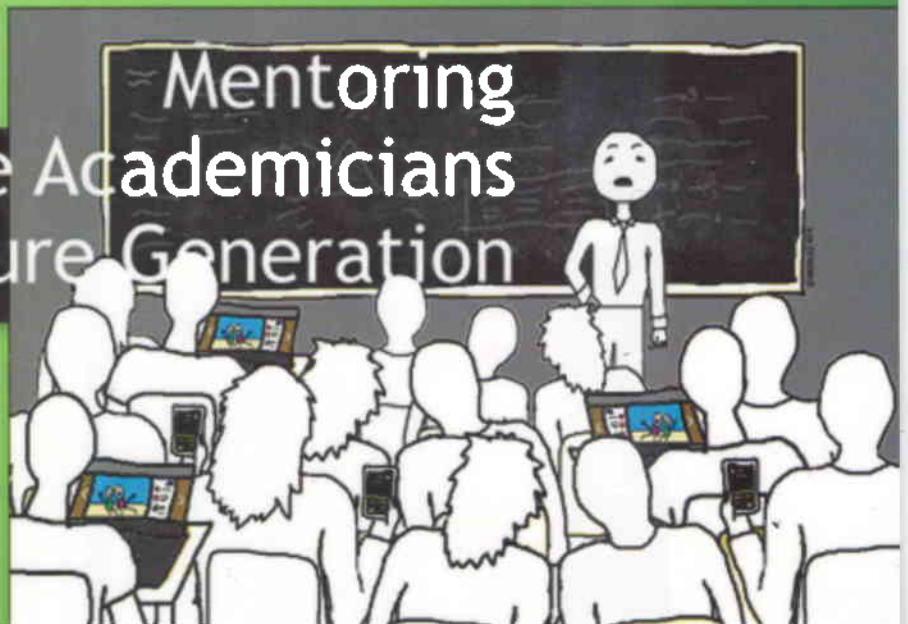




Ministry of Electronics & Information Technology

Government of India Initiative for Employability Enhancement

Mentoring Passionate Academicians for Future Generation



Faculty Training

Training and Consultancy

Services for Industry

Technical Incubation and Entrepreneurship

Continuing Education for Students & Professionals



IIT Guwahati



IIITDM Jabalpur



MNIT Jaipur



IIT Kanpur



NIT Patna



IIT Roorkee



NIT Warangal



India is fast emerging as a world power in Information, Communications Technology and Electronics (ICTE) sectors. To complement its growth and further development, there is an ever-increasing need for trained professionals with specialization in this space. This includes training of professionals not only in existing and changing technologies but also in the fields of R & D and electronics manufacturing. This will specifically be aimed at the ICTE sector to create a substantial resource pool of talent and generate ample opportunities for entrepreneurs.

Ministry of Electronics & Information Technology (MeitY) has approved a scheme and setup Electronics and ICT Academies at 07 (seven) institutions viz. IIT Guwahati, IIT Kanpur, NIT Warangal, NIT Patna and IIITDM Jabalpur (all five under Category-A); and IIT Roorkee, MNIT Jaipur (both under Category B). The Ministry had earlier setup two ICT Academies at Tamil Nadu and Kerala respectively. Estimated cost and targets for the Electronics and ICT Academy in the two categories for a period of four years are as under:

Category	Total Outlay	Internal Revenue Generation	Grants-in-Aid from Central Government	Training Target (Faculty members)
Category-A	Rs. 25 crore	Rs. 7.50 crore	Rs. 17.50 crore	16,000
Category-B	Rs. 10 crore	Rs. 3.00 crore	Rs. 7.00 crore	6,400

These Academies are aimed at faculty / mentor development and up gradation to improve the employability of the graduates, diploma holders in various streams, through collaboration of States / Union Territories. Each Academy is being provided funding support for four years and is expected to generate revenue by charging fee and taking up other activities to meet the recurring cost in gradual manner and become self-sustainable by the end of fourth year onwards. All these Academies will cater to the requirements of identified neighbouring States and UTs also. Brief information about all the Academies is available at :

<https://meit.gov.in/esdm/scheme-financial-assistance-setting-electronics-and-ict-academies>

Activities of the Academies

- Faculty Development for
 - Specialized training with hands-on on basic and advanced level topics for Engineering streams
 - Domain based training on use of ICT tools and techniques for Non-Engineering streams
- Training and Consultancy services for industry
- Curriculum Development for Industry
- Continuing Education programme for students / working professionals
- Design, Develop and Deliver specialized modules for specific research areas
- Providing advice and support for Technical Incubation and Entrepreneurial activities

About Winter Courses

Faculty Development Programmes in core areas of Electronics and Information & Communication Technology (ICT) streams have been planned by academies for delivery during Winters (i.e., Dec'19 – Jan'20). All these winter courses will be offered through National Knowledge Network (NKN) based Video Conferencing, with lectures delivered by invited experts from IITs, NITs, IIITs and other premier institutes / industries. In addition, local course coordinators at respective academies / identified remote centres will take care of sessions on design orientation / activity linked problems / assignments / case studies and quiz test(s). All seven EICT Academies will host the participants simultaneously along with some select remote centres all over our country, through NKN-VC infrastructure. Candidates could attend the training programme at Academy locations or at identified remote centres as per the convenience. For registration participants need to apply to one of the Academies, however, they can attend the training programme at that Academy or any remote centre attached to that respective Academy, please refer to respective academy websites.

How to Apply:

- * A duly filled in application form in the prescribed form signed by the Head of the Institute to which the candidate belongs (along with demand draft/CBS-Cheque) should reach by post to the local coordinator of the participating academy.
- * Government of India norms will be followed for SC / ST category participants.
- * The application form along with the DD/CBS-Cheque can also be submitted in the online mode to Local Coordinator of the respective academy.

Note: Refer offering Academies websites for complete postal address and other details of winter courses.

Following are the programmes being offered in this Winter, Dec. 2019 – Jan 2020 :

S.No.	Course Name	Principal Coordinating Academy	Co-Principal Coordinating Academy	Starting date of Programme	Last date of receiving applications
1	Python Programming with Industry perspective	MNIT Jaipur Dr. Pilli Emmanuel Shubhakar	NIT Patna Dr. Bharat Gupta	2 Dec 2019	25 Nov 2019
2	Deep Learning and Applications	IIITDM Jabalpur Prof. Aparajita Ojha	NIT Warangal Prof. R. B. V. Subramanyam	9 Dec 2019	2 Dec 2019
3	VLSI Chip Design Hands on using Open Source EDA	IIT Guwahati Dr. Gaurav Trivedi	MNIT Jaipur Prof. Vineet Sahula	16 Dec 2019	9 Dec 2019
4	AI and Machine Learning	IIT Roorkee Prof. Sanjeev Manhas	MNIT Jaipur Dr. S. J. Nanda	23 Dec 2019	16 Dec 2019
5	Natural Language Processing	NIT Patna Dr. J. P. Singh	IIITDM Jabalpur Prof. Atul Gupta	6 Jan 2020	23 Dec 2019
6	ICT Tools for Teaching, Learning Process & Institutes	MNIT Jaipur, IIITDM Jabalpur, NIT Patna, IIT Guwahati, NIT Warangal (All Academies)		13 Jan 2020	6 Jan 2020

Target Beneficiaries:

Interested Faculty of Engineering / Technical Institutions are eligible to attend these winter courses.

Availability of seats at each offering Academy:

Fifty (50) seats are available for each course to be offered at each Academy / Remote Centre. Participants will be selected based on first-cum-first-serve basis by each academy. Selected participants will be communicated through e-mail / notified in E&ICT Academy websites.

Course duration:

Each course is designed as 3 credit equivalent for 40 hours (Theory Lectures, Hands-on / Design orientation / Activity linked problems / Assignments Problem Solving / Case Studies sessions / Quiz Tests)

Accommodation & Travel

Boarding and Lodging at Hostels / Guest House will be provided at free of cost only at Identified E&ICT Academies depending upon availability and first-cum-first-serve basis. For details please refer to respective Academy websites. At identified remote centres only working lunch and snacks will be provided. No Travel Allowance will be paid to the participants.

Registration Fee for each Winter Course:

No Registration fee is charged for attending this programme planned at any designated academies / remote centres. However, candidate should submit a Demand Draft/CBS-Cheque of Rs. 1000/- along with application form and the same will be returned to the participant on the last day of the training. Certificate for participation as well as for satisfactory performance will be given to the participants subject to fulfillment of attending all sessions, submission of assignments and clearing the test(s).

Mode of Payment:

Academy Name	Payment through DD / CBS-Cheque
IIT Guwahati	Demand Draft / CBS-Cheque in favor of "Registrar, IIT Guwahati" payable at Guwahati
IIITDM Jabalpur	Demand Draft / CBS-Cheque in favor of "Electronics and ICT Academy, IIITDMJ" payable at Jabalpur
MNIT Jaipur	Demand Draft / CBS-Cheque in favor of "Electronics and ICT Academy, MNIT Jaipur" payable at Jaipur
NIT Patna	Demand Draft / CBS-Cheque in favor of "Director, NIT Patna" payable at Patna
IIT Roorkee	Demand Draft / CBS-Cheque in favor of "Dean SRIC IIT Roorkee" payable at Roorkee
NIT Warangal	Demand Draft / CBS-Cheque in favor of "Electronics and ICT Academy, NITW" payable at NIT Warangal

- Last Date for submission of Applications is Monday of earlier week from the start date of respective programme.
- The intimation of selection for participation will be posted on website on Wednesday of previous week.

The following are the details of Winter courses being offered during Dec'19 –Jan'2020

2nd – 6th Dec., 2019

Course 1: Python Programming with Industry Perspective

Prospective External Experts- (i) Dr. Mani Madhukar, Program Manager - University Relations, IBM India Pvt. Ltd (ii) Mr. Ishan Vaid, Trainer, IBM Partner

Experts from host institutes- (i) Dr. Pilli Emmanuel Shubhakar, MNITJ

Module Details of Python Programming with Industry Perspective

S.No.	Module Name	Topics
1.	Introduction & basics of Python Programming:	History of Python, Installing Python, Executing Python Programs, Internal Working of Python, Python Implementations. Python Character Set, Token, Python Core Data Type, print() function, Assigning Value to Variable, input() function, eval() function, Formatting Number and Strings, Operators and Expressions
2.	Decision Statements; Loop Control Statements; Functions, Strings	Boolean Type, Boolean Operators, Using Number and Strings with Boolean Operators, Decision Making Statements and Conditional Expressions While loop, range() Function, For Loop, Nested Loops, Break Statement, Continue Statement Syntax and Basics of a Function, Use of a function, Parameters and Arguments, Local and Global Scope Scope of a Variable, return statement and Recursive Functions. str class, Inbuilt functions for String, index[] operator, traversal of String, String operators, String Operations
3.	Lists and Dictionaries; Tuples and Sets; File Handling; Pandas	Creating Lists, Basic list operators, Slicing, Inbuilt functions for Lists, List operator, List Methods, Splitting, Need of Dictionary, Creating a Dictionary, Adding and Replacing Values, Retrieving Values; Deleting Items and Traversing Dictionaries. Tuples and Sets: Creating Tuples; Tuple () Function, Inbuilt Functions for Tuples, Indexing and Slicing; Operations on Tuples; Traverse Tuples from a List, Set operators; Set class. Object-Oriented Programming: Classes and objects, methods, Operator Overloading, inheritance, Super () and Method Overriding. File Handling: Need of File Handling, Reading/Writing Text and Numbers to/from a File; Directories on a disk. Pandas: Using pandas, the python data analysis library and data frames
4.	Data Handling and Use Cases	RE Pattern Matching, Parsing Data, Introduction to Regression, Types of Regression, Use Cases, Exploratory data analysis, Correlation Matrix, Visualization using Matplotlib and Implementing linear regression.
5.	Machine Learning	Machine Learning - Algorithm, Algorithms - Random forest, Super vector Machine, Random Forest, Build your own model in python and Comparison between random forest and decision tree.

Principal Coordinator-Academy	Co- Principal Coordinator-Academy	Participating Academies and Local Coordinator Details
Dr. Pilli Emmanuel Shubhakar espilli.cse@mnit.ac.in M:+91-9549658131 MNIT Jaipur	Dr. Bharat Gupta bharat@nitp.ac.in M: +91-9331406964 NIT Patna	IIITDM Jabalpur- Dr. Atul Gupta, atul@iiitdmj.ac.in M: +91-9425152499 L: 0761-2794223
		MNIT Jaipur - Dr. Dinesh Tyagi dktyagi.cse@mnit.ac.in M: +91-9549658130
		Dr. Mushtaq Ahmed mahmed.cse@mnit.ac.in M: +91-9549654176
		NIT Patna- Dr. Mukesh Kumar mukesh.kumar@nitp.ac.in M: +91-8984142557
		Dr. Somaraju Suvvari somaraju@nitp.ac.in M: +91-9676430356

Prospective External Experts- (i) Prof. Chakravarthy Bhagvati, University of Hyderabad (ii) Dr. Madan Dabbeeru, Rakuten India Bengaluru (iii) Experts from IBM and MATLAB.

Experts from host institutes- (i) Prof. Aparajita Ojha, IIITDMJ (ii) Dr. Santosh Vipparthi, MNITJ

Module Details of Deep Learning & Applications

S.No.	Module Name	Topics
1.	Introduction to Machine Learning and Artificial Neural Networks	Overview of machine learning, Supervised and unsupervised learning , Artificial Neural Networks, Feedforward Neural networks, Gradient Descent and the back propagation algorithms, Regularization and Optimization. Difference between typical machine learning and deep learning Practice Session: Introduction to Python Programming, Tensorflow and Keras. Making a Neural Network, training and testing. Saving the best weights and model
2.	Convolutional Neural Networks	Convolutional Neural Network (CNN), Convolution/Pooling layers, Activation maps, CNN as a feature extractor, Some Standard CNN architectures like AlexNet, VGGNet, GoogLeNet, ResNet and more recent networks Practice Session: Building a CNN model, CNN for image classification. Using GoogleColab for building and training Deep Learning Models.
3.	Autoencoders and Generative Serial Networks	Autoencoders (AEs), Undercomplete and Overcomplete AE, Convolutional AE, Regularization, Sparsely regulated AEs, Denoising and Stacked AE. Generative Adversarial Networks (GAN), Variants of GAN. Practice Session: Using pretrained models, Transfer learning, Applying GoogleNet and ResNet for specific problems. Using Autoencoders
4.	Recurrent Neural Networks	Brief Introduction to Recurrent Neural Networks, LSTM, GRU and their applications in machine translation, language modelling and sentiment classification. Practice Session: Building an AI application for sentiment classification from travel\hotel website user feedback data.
5.	CNN Application to Classification and Detection Problems	Object detection algorithms, R-CNN, Faster R-CNN, YOLO and SSD. Hands on– Object detection. Practice Session: Installing Darknet framework on your laptop, how to use YOLO for object detection.

Principal Coordinator-Academy	Co- Principal Coordinator-Academy	Participating Academies and Local Coordinator Details	
Prof. Aparajita Ojha aojha@iiitdmj.ac.in M: +91-9425800334 IIITDM Jabalpur	Prof. R. B. V. Subramanyam eict.nitw@gmail.com M: +91-9121016547 NIT Warangal	IIITDM Jabalpur- Dr. Irshad Ansari irshad@iiitdmj.ac.in M: +91-9109106995, L: 0761-2794478	
		MNIT Jaipur- Dr. Santosh Vipparthi skvipparthi@mnit.ac.in M:+91-9549658135	Dr. Ramesh Battula rbbattula.cse@mnit.ac.in M: +91-9549654395
		NIT Patna- Dr. Subodh Srivastava subodh@nitp.ac.in M: +91-7565036892	Dr. Rajib Ghosh rajib.ghosh@nitp.ac.in M: +91-8084023813
		NIT Warangal - Prof. R. B. V. Subramanyam eict.nitw@gmail.com M: +91-9121016547	

Prospective External Experts- (i) Dr. H. S. Jatana, SCL-ISRO, Chandigarh (ii) Industry support- VLSI System Design Corp.

Experts from host institutes- (i) Prof. Gaurav Trivedi, IITG, (ii) Prof. Vineet Sahula, MNITJ

The participants will additionally get exposure for integrating SCL (ISRO, Chandigarh) PDK library kit with open source CAD tools.

Module Details of VLSI Chip Design Hands on using Open Source EDA

S.No.	Module Name	Topics
1.	Study various components of RISC-V microprocessor based SoC and review all components using MAGIC Layout tool	Brief introduction RISC-V ISA Overview of RISC-V based micro-processor and its related SoC Overview of QFN48 package, pads, macros and memory in MAGIC Idea of chip-planning, aspect ratio, utilization factor, power planning, decoupling capacitor, pads/memory and macro placement
2.	Study the importance of standard cell library and design & characterize one cell using MAGIC Layout tool and ngSPICE for SPICE simulations	Pros and cons of good-bad floor plan Introduction to lab to create floor plan for small design, which will be covered in detail on Day 4) System-on-Chip (SoC) planning and design concepts overview Physical design overview Why Libraries are called the soul and heart of semi-conductor industry? Standard cells library overview
3.	Pre-layout timing analysis of SoC using OpenSTA, chip planning using MAGIC and block-level placement/routing using qflow RTL2GDS opensource EDA tool chain	Art of layout – Stick diagram + Euler’s path using MAGIC Characterization of important parameters using ngSPICE Introduction to 16-Mask CMOS process and its significance to chip design flow Logic synthesis and high fanout net synthesis interactive tutorial using Yosys open source synthesis tool
4.	Hierarchical placement/routing using pads and blocks, and perform sign-off checks viz. LVS/DRC using Magic	Introduction to static timing analysis and the related Industry standard reporting formats Pre-layout timing analysis of a design using Open STA open source STA tool, which includes setup timing analysis for reg2reg and IO Introduction to clock tree synthesis (CTS) and its related checks viz. skew, latency, pulse-width, duty cycle Placement/Routing/CTS of a design using qflow open source RTL2GDS tool Perform CTS quality and routing quality checks using OpenSTA
5.	Post-layout timing analysis using OpenSTA and engineering change order (ECO) using Tritonsizer	Full chip integration using MAGIC for a design with blocks and pads. Revise floor plan from Day 2 Populate layout from library manager in MAGIC, select digital core block and additional pads Arrange pads and create a pad-frame hierarchy Project work using SiFive E31 RISC-V design blocks

Principal Coordinator-Academy	Co- Principal Coordinator-Academy	Participating Academies and Local Coordinator Details
Dr. Gaurav Trivedi trivedi@iitg.ernet.in M: +91-9435582802 IIT Guwahati	Prof. Vineet Sahula vsahula.ece@mnit.ac.in M: +91-9549654227 MNIT Jaipur	IIT Guwahati- Dr. Gaurav Trivedi trivedi@iitg.ernet.in M: +91-9435582802, +91-8011000783
		IIITDM Jabalpur- Dr. Dip Prakash Samajdar dip.samajdar@iiitdmj.ac.in M: +91-9477137992, L: 0761-2794474
		MNIT Jaipur- Dr. Menka Yadav menka.ece@mnit.ac.in M: +91-9416794011
		NIT Patna- Dr. Bal Chand Nagar balchandnagar@nitp.ac.in M: +91-9993102487
		Mr. Pankaj Kumar pankajjha@nitp.ac.in M: +91-7004727085

Prospective External Experts: Experts from NVIDIA / IITM / IISc Bangalore / IIT Gandhinagar

Experts from host institutes- (i) Dr. R. Balasubramanian, IITR (ii) Dr. Partha Pratim Roy, IITR (iii) Dr. S. J. Nanda, MNITJ

Module Details of AI & Machine Learning

S.No.	Module Name	Topics
1.	AI Fundamentals	Fundamental Concepts of AI: Agents, environments, general model; Problem Solving techniques.
2.	Search Techniques and Knowledge Representation	Uninformed search, heuristic search, adversarial search and game trees; Solution of constraint satisfaction problems using Search. Propositional and predicate calculus, semantics for predicate calculus, inference rules.
3.	ML Fundamentals	Basic machine learning concepts and examples, Regression Analysis, Decision trees
4.	Machine Learning Algorithms	Supervised and Unsupervised Learning, Ensemble methods (Boosting, Bagging) Random Forest, Dimensionality Reduction (PCA, LDA, KPCA), SVM
5.	Neural Network and its Applications	Artificial Neural Network (Multi-Layer Perception), An Insight on Deep Learning Algorithms, Applications in Imaging & Data Analytics

Principal Coordinator-Academy	Co- Principal Coordinator-Academy	Participating Academies and Local Coordinator Details	
Prof. Sanjeev Manhas <i>samanfec@iitr.ac.in</i> M: +91-7078627392 IIT Roorkee	Dr. S. J. Nanda <i>sjnanda.ece@mnit.ac.in</i> M: +91-9549654237 MNIT Jaipur	MNIT Jaipur- Dr. Arka Prokash Mazumdar <i>apmzumdar.cse@mnit.ac.in</i> M: +91-95496548129	Dr. Rahul Chaurasia <i>rahul.ece@mnit.ac.in</i> M: +91-9165971639
		NIT Patna- Dr. M P Singh <i>mps@nitp.ac.in</i> M: +91-9431200106	Dr. Rajeev Kumar Arya <i>rajeev.arya@nitp.ac.in</i> M: +91-813033645
		IIT Roorkee- Dr. R. Balasubramanian <i>balarfma@iitr.ac.in, eict@iitr.ac.in</i> M: +91-7078627392	Dr. Partha Pratim Roy <i>proy.fcs@iitr.ac.in</i> L : 01332-286457

Prospective External Experts: (i) Prof. Pushpak Bhattacharya, IITB (ii) Dr. Asif Ekbal, IITP (iii) Dr. Sriparna Saha, IITP
 Experts from host institutes- (i) Dr. Atul Gupta, IIITDMJ (ii) Dr. J. P. Singh, NITP (iii) Dr. Namita Mittal, MNITJ

Module Details of Natural Language Processing

S.No.	Module Name	Topics
1.	Intro and Text Classification	Processing Text using Perl, Use of Regular Expressions, Elements of Morphology, Character N-gram Based Text Mining, Text Classification
2.	Language Modelling and Sequence Tagging	Texts as sequences of words. language modeling and use for suggests in search, machine translation, chat-bots, etc predict a sequence of tags for a sequence of words. part-of-speech tags, named entities or any other tags, Probabilistic Modeling, N-grams Model, HMM Model, Sum-product Algorithms
3.	Vector Space Models of Semantics	Higher abstraction for texts: vectors representing meanings traditional models of distributional semantics, cover modern tools for word and sentence embeddings, such as word2vec, Fast Text, Star Space
4.	Syntactic Processing	Phrase Structure and Natural Language Syntax, Chart Parsing and CYK Algorithm, Probabilistic Context-Free Grammars
5.	Sequence to Sequence Tasks	A sequence to sequence task: machine translation, summarization, question answering, a general encoder-decoder-attention architecture
6.	Dialog Systems	Task-oriented dialog systems like Apple Siri or Amazon Alexa. main building blocks of such systems namely Natural Language Understanding (NLU) and Dialog Manager (DM)
7.	Unification-based NLP and Semantics	First-order Predicate Logic and Resolution, Classical and Feature-structure Unification, Unification-based Grammars

Principal Coordinator-Academy	Co- Principal Coordinator-Academy	Participating Academies and Local Coordinator Details
Dr. J. P. Singh <i>jps@nitp.ac.in</i> M: +91-8521159014 NIT Patna	Prof. Atul Gupta <i>atul@iiitdmj.ac.in</i> M: +919425152499 IIITDM Jabalpur	IIITDM Jabalpur - Dr. Kusum Kumari Bharti <i>kusum@iiitdmj.ac.in</i> M: +91-9406711296 L: 0761-2794232
		MNIT Jaipur -Dr. Namita Mittal <i>nmittal.cse@mnit.ac.in</i> M: +91-9549654394
		Dr. Satyendra Singh Chouhan <i>sschouhan.cse@mnit.ac.in</i> M:+91-8954221599
		NIT Patna- Dr. M. P. Singh <i>mps@nitp.ac.in</i> M: +91-9431200106

Prospective External Experts: (i) Prof. D. B. Phatak, IITB (ii) Prof. Prabhakar, IITK (confirmation awaited)

Experts from host institutes- (i) Prof. Aparajita Ojha, IIITDMJ (ii) Dr. Pilli Emmanuel Shubhakar, MNITJ, (iii) Dr. Arka Prokash Mazumdar, MNITJ, (iv) Dr. A. M. Joshi, MNITJ, (v) Dr. R. K. Maddila, MNITJ

Module Details of ICT Tools & Techniques for Teaching, Learning process & Institutes

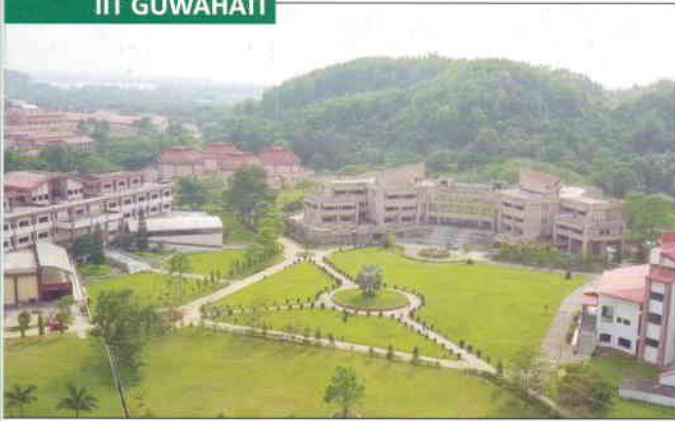
Information and Communication Technology is expected to be a game changer for developing economy like India. Digital Services would be all pervading, ensuring faster action and quick dissemination of information.

Education Institutes are expected to be first movers in this since usage here allows quick proliferation through the Society, also with the aim of increasing enrolment at Higher education level, the needs of providing quality education can only be met through ICT only.

S.No.	Module Name	Topics
1.	Use of ICT	Effective use of ICT for transforming pedagogy and empowering students; Empowerment through Communication skills
2.	Online/blended Learning	Adopting online/blended-learning in teaching learning process
3.	MooC	Use of MooC for contents management, class organization, assessment; MooC's deployment and use; Building Course Website and Google Suite
4.	Teaching Learning Tools & e-content generation	Using tools for teaching learning- interactive whiteboards/smart-screens, video-conferencing, digital content creation, design of instructional material & presentation; Content Dissemination, Management, Version Control; ICT tool for English language teaching and learning; Illustration tools and author aids Visio
5.	Computer Based Training (CBT)	CBT for letters generation, certificate preparation, report writing, Presentation and posters preparation, Spread sheets & evaluation, Research Resources & Bibliography Management etc.

Principal Coordinator-Academy	Co- Principal Coordinator-Academy	Participating Academies and Local Coordinator Details	
(All following Academies)-			
MNIT Jaipur - Prof. L. Bhargava lavab@mnit.ac.in M: +91-9549654231		IIITDM Jabalpur - Dr. Atul Gupta, atul@iiitdmj.ac.in M: +91-9425152499 L: 0761-2794223	
IIITDM Jabalpur - Dr. Prashant Jain pkjain@iiitdmj.ac.in M: +91-9425800310, L: 0761-2794415		MNIT Jaipur- Dr. Amit M. Joshi amjoshi.ece@mnit.ac.in M: +91-9549654239	Dr. Ravi Maddila rkmaddila.ece@mnit.ac.in M: +91-9549654238
NIT Patna- Dr. Bharat Gupta bharat@nitp.ac.in M:- +91-9331406964		NIT Patna- Dr. Bharat Gupta bharat@nitp.ac.in M: +919331406964	
IIT Guwahati- Prof. Gaurav Trivedi trivedi@iitg.ernet.in M: +91-9435582802			
NIT Warangal- Prof. R. B. V. Subramanyam eict.nitw@gmail.com M: +91-9121016547			

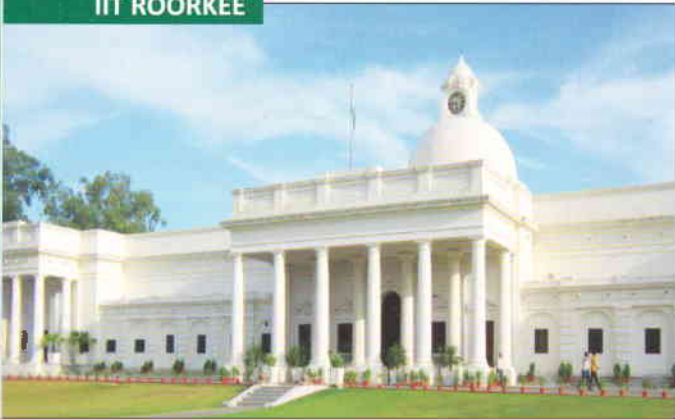
IIT GUWAHATI



IIITDM JABALPUR



IIT ROORKEE



NIT WARANGAL



NIT PATNA



IIT KANPUR



MNIT JAIPUR



APPLICATION FORM FOR Winter FDPs (Dec'19 – Jan'20) [Xerox copies are permitted]

E & ICT ACADEMY

An initiative of Ministry of Electronics & IT, Government of India

IIT Guwahati



IIITDM Jabalpur



MNIT Jaipur



IIT Kanpur



NIT Patna



IIT Roorkee



NIT Warangal



Choice matrix for Name and Academy of the Winter - Course Applying for:

S.No.	Name of the Winters-2019 Course (Tick in the blank column on right side with ✓) (Send copies of this form to all individual academies you have ticked with separate DD)	IIT Guwahati	IIITDM Jabalpur	MNIT Jaipur	NIT Patna	IIT Roorkee	NIT Warangal
1.	Python Programming with Industry perspective (2-6 Dec'19)	X				X	X
2.	Deep Learning and Applications (9-13 Dec'19)	X				X	
3.	VLSI Chip Design Hands on using open source EDA (16-20 Dec'19)					X	X
4.	AI & Machine Learning (23-27 Dec'19)	X	X				X
5.	Natural Language Processing (6-10 Jan'20)	X				X	X
6.	ICT Tools for Teaching, Learning process & Institutes (All Academies) (13-17 Jan'20)	X				X	X

Affix recent pass-port size photo of the applicant

Name of the Applicant: _____ (in Block letters)

Father's Name: _____

Designation: _____ (Faculty/Industry Professional / Other) (Tick one)

Name of the Institution / organization to which the candidate belongs: _____

Address for communication: _____

Ph.No: _____

E-mail (preferably at organization): _____ Mobile No. _____

Gender: Male / Female _____ Date of birth and Age: _____

Aadhar Card No: _____ (Attach Copy)

Do you belong to SC / ST: Yes / No (If Yes, attach photocopy of the proof)
Payment by DD / CBS-Cheque / online transfer for Rs. 1000/- (refundable):

Payment Mode	Bank Name	Demand Draft No. / Cheque No. / Transaction ID	Date
DD / CBS-Cheque/ Online			

Highest educational Qualifications with specialization: _____
 Accommodation required (only if attending at one of EICT Academy): _____ Yes / No

DECLARATION & FORWARDING

The information provided is true to the best of my knowledge and belief.

(Declaration with Signature of the Applicant)

Forwarded by Head of the Institution / Organization / Industry

(Signature & Seal)

SHAKTI



INDIA'S FIRST MICROPROCESSOR!

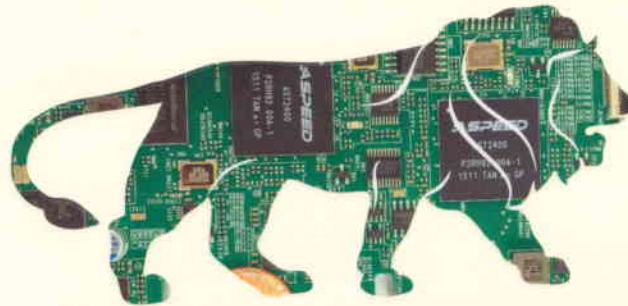


ELECTRONICS INDIA
Billion Needs Million Chips

ESDM
Make in India Initiative



Pratyush: India's fastest and first multi-peta-flops supercomputer



Academy & State Catered	Advisory Board Chairman	Chief Investigator	Contact Details at Academy For all general queries
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Electronics & ICT Academy at IIT DM Jabalpur Madhya Pradesh, Chhattisgarh, Maharashtra	Prof Sanjeev Jain director@iiitdmj.ac.in	Prof. Aparajita Ojha aojha@iiitdmj.ac.in M: +91-9425800334	Ms Neha Rawat (BM) academyiiitdmj@gmail.com M: +91-9893443284 Website: http://ict.iiitdmj.ac.in/
Electronics & ICT Academy at MNIT Jaipur Rajasthan, Gujarat, Dadra & Nagar Haveli, Daman & Diu	Prof. Udaykumar R. Y. director@mnit.ac.in	Prof. Vineet Sahula vsahula.ece@mnit.ac.in M: +91-9549654227	Dr. Shailesh Sharma (PM) Email: academy@mnit.ac.in L: +91-141-2715084 M: +91-9672472877 http://www.mnit.ac.in/eict
Electronics & ICT Academy at IIT Kanpur UP, Punjab, Haryana, Delhi	Prof. Abhay Karandikar director@iitk.ac.in	Prof. B. V. Phani bvphani@iitk.ac.in M: +91-9451423721	Email: eict@iitk.ac.in L: +91-512-6797787 https://ict.iitk.ac.in/
Electronics & ICT Academy at NIT Patna Bihar, Jharkhand, Odisha, West Bengal	Prof. Pradip Kumar Jain director@nitp.ac.in	Dr. Bharat Gupta bharat@nitp.ac.in M: +91-9331406964	Mr. Ram Gopal (TPO) Email:eictapatna@nitp.ac.in M: +91-8434305807 www.nitp.ac.in/ict
Electronics & ICT Academy at IIT Roorkee Jammu and Kashmir, Himachal Pradesh and Uttarakhand	Prof. Ajit K. Chaturvedi director@iitr.ac.in	Dr. Sanjeev Manhas samanfec@iitr.ac.in M: +91-7078627392	Mr. Prateek Sharma (PM) Email:eict@iitr.ac.in prateek2789@gmail.com, M: +91-7078627392 http://eict.iitr.ac.in/
Electronics & ICT Academy at NIT Warangal Telangana, Andhra Pradesh, Karnataka, Puducherry, Andaman and Nicobar Islands, Goa	Prof. N.V. Ramana Rao director@nitw.ac.in	Prof. R. B. V. Subramanyam rbvs66@nitw.ac.in M: +91-949 134 6969	Email:eict.nitw@gmail.com M: +91-9121016547 http://nitw.ac.in/eict/