



University Grants Commission (शिक्षा मंत्रालय, भारत सरकार)

विश्वविद्यालय अनुदान आयोग

(शिक्षा मंत्रालय, भारत सरकार) (Ministry of Education, Govt. of India)

बहादुरशाह जफ़र मार्ग, नई दिल्ली-110002 Bahadur Shah Zafar Marg, New Delhi-110002

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प्रो. रजनीश जैन सचिव Prof. Rajnish Jain

Secretary

D.O.No. 1-8/2021 (CPP-II)

0 3 MAR 202 March, 2021

Subject: Faculty Development Programmes being conducted by Electronics & ICT Academies during February- April, 2021

Respected Madam / Sir,

Ministry of Electronics and Information Technology (MeitY) in November 2014 had approved a Scheme for setting up of seven Electronics and ICT Academies in the country to address the requirement of training the faculty in the latest as well as upcoming/emerging areas of Electronics and ICT for Engineering and other streams. Accordingly, Electronics and ICT academies have been set up and are operational at premier and leading academic institutions viz (i) NIT Warangal (ii) IIITDM Jabalpur (iii) IIT Guwahati (iv) NIT Patna (v) IIT Kanpur (vi) IIT Roorkee and (vii) MNIT Jaipur. So far, academies have conducted/delivered 1282 FDPs imparting training to several beneficiaries, including around 70 thousand faculty members and one lakh of students/others. The training of faculty is expected to improve their teaching effectiveness and thus in-turn enhance the employability of the students.

During February to April, 2021 these academics are going to deliver 10 Faculty Development Programmes (FDPs) in emerging technologies as per the enclosed Brochure. Out of these, 7-FDPs would be delivered in the online Live web-conferencing mode and the remaining 3 FDPs would be available in the Intelligent Self-Paced Education (iSPED) mode. The training of faculty in a State/UT is being addressed by a particular Electronics and ICT Academy as indicated in the brochure. However, for registration the candidate needs to apply to any participating Academy online through its website as mentioned under details of the respective programme.

All the universities are requested to derive benefit from the scheme and give wide publicity on your university website. The brochure is also attached with the letter.

With kind regards,

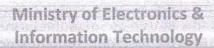
Yours sincerely,

(Rajnish Jain)

To the Vice Chancellors of all universities









Government of India Initiative for Employability Enhancement

Mentoring Academicians & Professionals for Future Generation

- Faculty Training
- Training and Consultancy
- Services for Industry
- Technical Incubation and Entrepreneurship
- Continuing Education for Students & Professionals

IIITDM Jabalpur MNIT Jaipur

IIT Roorkee

NIT Warangal















Programme brochure for 2021

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) premier and leading 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. Subsequent to internal reviews in Ministry, revised cost and targets for the Electronics and ICT Academies in both the Categories for a period of seven years 4 months are as follows.

Category	Total Outlay	Internal Revenue	Grants-in-Aid from	Training Target Total
Category-A & B: 7- Academies	Rs. 87.7 crore	Rs. 10.4 crore	Rs. 77.3 crore	92,800

These Academies are aimed at faculty/mentor development and upgradation to improve the employability of the graduates, diploma holders in various streams, through collaboration of States/Union Territories. Each Academy would be provided funding support upto financial year 2021-22, and is expected to generate revenue by charging fee and taking up other activities to meet the recurring cost in a gradual manner and become self-sustainable by March 2022. All these Academies will cater to the requirements of identified neighboring States and UTs also. Brief information about all the Academies is available at:

https://meity.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 and
  - 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 Spring/Summer Courses

Online Training Programmes in core areas of Electronics and Information & Communication Technology (ICT) streams have been planned by academies for delivery during Spring & Summers (i.e., Feb – Aug 2021). All these Spring & Summer-courses will be offered through online live web-conferencing, with instructor led talks delivered by eminent experts from IITs, NITs, IIITs and other premier institutes/industries, even from abroad. In addition, online proctoring coordinators designated by respective academies centres will take care of sessions on design orientation/activity linked problems/ assignments/ case studies and quiz test(s). Participants would be able to join online to web-conferencing platform using video/audio. For registration participants need to apply to any participating academy online through its website, as mentioned in details of respective programme,

### How to apply:

- \* For a particular programme, a participant is encouraged to apply to Academy level coordinator ONLY, belonging to any participating academy in that programme.
- Government of India norms will be followed for SC/ST/EWS category participants.
- \* The application form is to be submitted in the online mode to the Academy level coordinator of the respective academy.

Note: Refer, programme offering Academies websites for complete contact address and other details of Summer courses.

Following programmes are being offered online, these Spring & Summer, Feb - Aug 2021, each of 10/12 days duration.

Names of courses in Spring 2021	Starting date	Completion date	Names of courses in Summers 2021	Starting date	Completion date
Machine Learning for Computer Vision	01 Feb 2021	12 Feb 2021	Deep Learning & Applications (Parallel Architectures)	10 May 2021	21 May 2021
Advanced Communication & Antennae	15 Feb 2021	26 Feb 2021	Digital Tools for Writing, Authoring and reviewing manuscripts	24 May 2021	4 Jun 2021
5G Design: Journey from Devices to Circuits	01 Mar 2021	12 Mar 2021	SuperX- Operating Systems- Linux	7 Jun 2021	18 Jun 2021
ICT Tools for Teaching, Learning process & Institutes	15 Mar 2021	26 Mar 2021	Social Robotics & Al	7 Jun 2021	18 Jun 2021
RISC-V VLSI Implementation Flow: RTL2GDS	27 Mar 2021	10 Apr 2021	Numerical Analysis & optimization for Scientists & Engineers (SCILAB)	21 Jun 2021	2 Jul 2021
Data Science for All	12 Apr 2021	23 Apr 2021	Programming in Python	5 Jul 2021	16 Jul 2021
Designing With FPGAs (Intel)	19 Apr 2021	30 Apr 2021	Blockchain Technology & Applications	19 Jul 2021	30 Jul 2021
			Advanced Optimization Techniques and Hands-on with MATLAB/SCILAB	2 Aug 2021	13 Aug 2021
			Quantum Computing	16 Aug 2021	27 Aug 2021

Following are the programmes being offered as Self-Paced in this Spring/Summer, Feb - Aug 2021, by IIT Kanpur Academy.

Python Programming - A Practical Approach	https://ict.iitk.ac.in	Smart Grid Technology	https://ict.iitk.ac.in
Computer System Security	https://ict.iitk.ac.in		

Target Beneficiaries:

Interested Faculty/students of engineering/other institutions & professionals from our country as well as from outside India, are eligible to attend these Spring/Summer courses. Additionally, faculty of non-engineering background are also invited to attend FDP on ICT Tools and techniques for Teaching Learning Process & Institutes. Industry persons and student participants are also invited to attend the aforesaid programmes to upgrade their skills. Availability of seats at each offering Academy:

Participants will be selected based on first-cum-first-serve basis by organizing academy. Selected participants will be communicated through e-mail / notified in E&ICT Academy websites. There is no limit on number of participants, however, only first 1000 participants would enjoy duplex both way video/audio. Rest of the participants would enjoy receiving video/audio but may not raise queries in real-time.

Course duration:

Each course is designed as 3 credit equivalent for 35-40 hours (Theory Lectures, Hands-on/Design orientation/Activity linked problems/Assignments Problem Solving/Case Studies sessions/Quiz Tests). The contact hours are to be spread over 10 days, implying NOT more than 3½ hours per day. Accommodation & Travel

There is no provision as well as scope for Boarding and Lodging, as all the programmes are being offered ONLINE.

Registration Fee for each Summer Course:

No Registration fee is charged for attending these programme. However, candidates from India/SAARC/African countries are required to pay a mandatory examination fee of Rs. 500/- (faculty/PhD-scholars/students) OR Rs. 1000/- (others), and US\$ 60 from other countries, if they desire a certificate of completion of programme. This 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) by all the paying participants.

Mode of Payment: Preferred mode is ONLINE payment at respective Academy site.

Academy Name	Link for payment
IIT Guwahati	Online registration at web site of Academy, IIT Guwahati- http://www.iitg.ernet.in/eictacad/
IIITDM Jabalpur	Online registration at web site of Academy, IIITDM Jabalpur- http://ict.iiitdmj.ac.in/
MNIT Jaipur	Online registration at web site of Academy, MNIT Jaipur- http://www.mnit.ac.in/eict
NIT Patna	Online registration at web site of Academy of NIT Patna- http://www.nitp.ac.in/ict
IIT Roorkee	Online registration at web site of Academy of IIT Roorkee- http://eict.iitr.ac.in/
NIT Warangal	Online registration at web site of Academy NIT Warangal- http://nitw.ac.in/eict/

- 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 details of Online-Spring courses being offered during Feb - Apr 2021 is as follows.

### Machine Learning for Computer Vision

1 Feb - 12 Feb 2021

EXPERTS/SPEAKERS-

Prof. Shantanu Chaudhury, Director IIT Jodhpur; Dr. Suresh Sundaram, IITG; Prof. H. Fujiyoshi, Chubu Univ. Japan; Prof. Barbara Zitova, Acad Sci. Czech Repulic; Dr. Amit Sethi, IITB; Prof. Sumantra Dutta Roy, IITD; Prof. P. Guha, , Prof. Aparajita Ojha, IIITDM Jabalpur, Dr. Santosh Viparthi, MNIT Jaipur

### **Principal Coordinator**

Prof. Aparajita Ojha, IIITDM Jabalpur aojha@iiitdmj.ac.in M:94258 00334

### Joint- Principal Coordinators

Dr Prthwijit Guha IIT Guwahati,

### pguha@iitg.ac.in

#### **MODULES TOPICS-**

- Introduction to Image Processing and Computer Vision (CV) Digital Image and Computer Vision, Main Goals and challenges of the CV, Structure of Human Eye and Vision, Color Models, Image Processing Goals and Tasks.
- Traditional approaches in CV Feature Extraction using local patterns and their applications to Image Processing and CV: SIFT, HOG, LBP, Natural Image Classification, Image Enhancement, edge Detection, Segmentation. Image denoising
- Introduction to Artificial Intelligence (AI) and Machine Learning (ML) AI and ML, Supervised and Unsupervised Learning, Traditional ML approaches,

### Joint- Principal Coordinators

Dr. Santosh Vipparthi, MNIT Jaipur skvipparthi@mnit.ac.in M: 954 9658 135

Dr. Mukesh Kumar NIT Patna <u>mukesh.kumar@nitp.ac.in</u> M:8984142557

- Neural Network as a learning machine, Machine learning, applications in computer vision. Image classification, Image segmentation etc
- Applications of ML in Medical Images
   Challenges in Medical image
   processing, ML for Medical Image
   processing, Medical image segmentation,
   classification and survival prediction,
   Medical image denoising, Medical image
   retrieval
- Introduction to Deep Learning (DL)
  Basic differences between
  Conventional ML and DL approaches, Feed
  forward Neural Networks (NN), Back
  propagation, Stochastics gradient method
  and variants, regularization,

Prof. Amey Karkare, IIT Kanpur, karkare@iitk.ac.in M: 953 268 9131

Dr Somraju NIT Patna somaraju@nitp.ac.in M:9676430356

- and optimization, Vanishing /exploding gradient problem.
- Introduction to Convolutional Neural Network The Convolution
   Operation, Basic architecture of a Convolution Neural Network, Pooling and Batch Normalization layers, CNNs as feature extractors, Image classification using CNN, Image Enhancement and Segmentation.
- CNN architectures for CV State of the Art CNN Architectures, CNN for Image Enhancement and Segmentation.
- Applications of CNN in face recognition Face Detection and Recognition using CNN, Siamese Network and Triplet Loss.

### Advanced Communication and Antennas

15 Feb - 26 Feb 2021

EXPERTS/SPEAKERS- Prof. P. K. Jain, NITP; Prof. Ratnajit Bhattacharjee, IITG; Dr. Ravi Gangwar, IIT(ISM) Dhanbad; Dr. Veer Singh Gangwar, LRDE Bangalore; Dr. Ribhu, IITG; Dr. Kalpana Dhaka, IITG; Dr. Mahima Arrawatia, IITG; Dr. Sudarshan Mukherjee, IITG; Dr. Salil Kashyap, IITG; Dr. Gaurav Varshney, NIT Patna; Dr. Rakesh Ranjan, NITI

### **Principal Coordinator**

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Dr. Sarthak Singhal sarthak.ece@mnit.ac.in 7376157421(M) Dr. R. Mitharwal, rajendra.ece@mnit.ac.in 8239633089(M)

### **Academy Level Coordinator**

Dr. Richa Agrawal, NIT Patna richa.ec@nitp.ac.in
M: 9559090527

Dr. Gaurav Varshney, NIT Patna, gaurav.ec@nitp.ac.in
M:8076114006

- 1: Digital Communication System
- 2: Channel coding: block and convolutional codes
- 3: Multicarrier modulation and OFDM
- 4: Spread spectrum and DSSS
- .

- 5: Diversity techniques for wireless communication
- 6: MIMO and Massive MIMO for wireless communication
- 7: 5G and Emerging millimetre wave communication systems
- 8: Optical communication
- 9: Antenna Basics
- 10. Antennas for WiFi, cellular communication, portable devices and 5G
- communication systems
- 11. Antenna Array

### 5G Design: Journey from Devices to Circuits

l Mar – 12 Mar 2021

EXPERTS/SPEAKERS- Shri Surinder Singh (Director, SCL Chandigarh); (ii) Other Speakers- Shri H. S Jatana (Senior Head, SCL Chandigarh), Prof. Anand Bulusu (IIT Roorkee), Dr. Salil Kashyap, Dr. Ribhu Dr. Sudarshan Mukherjee, Dr. Gaurav Trivedi, IITG (iii) Industry- Dr. Aditya Dalakoti, Mr. Ashish Jindal (DRDO), Puneet Mittal

### **Principal Coordinator**

Dr. Gaurav Trivedi, IITGuwahati, trivedi@iitg.ernet.in M: 9435582802

### Joint- Principal Coordinators

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Dr Pankaj Sharma, IIITDMJ, IIITDMJ pankaj.sharma@iiitdmj.ac.in M: 9893805618

- Introduction and Tools Overview: Introduction: Basics of RF Communication; Setup of Scikit-RF,
- RF ASIC Concepts 1: Two port Networks, Stability, Equivalent Device Models, Impedance Matching, Biasing
- Device: Semiconductor general basics and requirements, Exploration in Si MOSFET, GaN HEMT
- Modelling: Basic of Device Modelling, Passive and Active Model, Hands on Modelling of passive component using Scikit-RF
- RF Simulations: Hands of tutorial for Doing Impedance Matching using Scikit-RF
- RF ASIC Concepts 2: PDK Development, Layout Issues, Packaging Issues and package selection, Testing
- Power Amplifier Design: Basics of PA, different classes, performance matrix, design of one topology for 5G, Flow of MMIC design using ADS
- Measurement: Loadpull measurement, DC-IV, S parameter and power measurement

### 7 System Design Methodologies for Embedded, IoT, AI, & HPC using Intel FPGA (Industry supported-Intel India) 19 Apr – 30 Apr 202

EXPERTS/S: KERS-

### **Principal Coordinator**

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### MODULES TOPICS- To be Announced (IIT Guwahati)

Joint- Principal Coordinators

Dr Satish Maheswaram, NIT Warangal satishm@nitw.ac.in Mobile: 97600 18986

Dr. Bharat Gupta, NIT Patna bharat@nitp.ac.in Mobile:93314 06964 Prof. P N Kondekar, 11ITDM Jabalpur, pnkondekar@iiitdmj.ac.in M:9425805445

### **Academy Level Coordinator**

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Dr. Pushpa Giri, NIT Patna pushpa.ec@nitp.ac.in
M:8076304396

Various courses from IIT Kanpur in Intelligent Self Paced Education (iSPED) mode are being offered in this pandemic period till September 2021. The courses are made available to faculty for free for a limited duration under FDP. Participants may please ignore the price mentioned on the URL for the courses, and join the courses of their choice.

### 8 Computer System Security (https://ict.iitk.ac.in/product/computer-system-security/)

#### **EXPERTS/SPEAKERS-**

Prof. Sandeep Shukla

(https://www.cse.iitk.ac.in/users/sandeeps/)

### **Principal Coordinator**

Prof. Amey Karkare, IIT Kanpur, karkare@iitk.ac.in M: 953 268 9131

- Introduction, Interview with Prof.Sandeep Shukla; Learning objectives, Sample Attacks, The Marketplace for vulnerabilities, Error 404 Hacking digital India part 1 chase
- Control Hijacking, More Control Hijacking attacks integer overflow, More Control Hijacking attacks format string vulnerabilities, Defense against Control Hijacking
- Confidentiality Policies, Confinement Principle, Detour Unix user IDs process IDs and privileges
- VM based isolation, Confinement principle, Software fault isolation, Rootkits, Intrusion Detection Systems
- Secure architecture principles isolation and leas, Access Control Concepts
- Web security landscape, Web security definitions goals and threat models, HTTP content rendering, Browser isolation, Security interface, Cookies frames and frame busting
- Major web server threats, Cross site request forgery & scripting, Finding vulnerabilities, Secure development
- Basic cryptography, Public key cryptography, RSA public key crypto, Digital signature Hash functions; Email security certificates, Transport Layer security TLS, IP security, DNS security
- Internet infrastructure, Summary of weaknesses of internet security, Link layer connectivity and TCP IP connectivity

### 9 Python Programming – A Practical Approach (https://ict.iitk.ac.in/product/python-programming-a-practical-approach)

### EXPERTS/SPEAKERS-

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Introduction	on	•	Parts of A Function	0	Abstract Data Types
The Progr	amming Cycle for Python	•	Execution of A Function	۰	Classes
Interacting	with Python Programs	۰	Keyword and Default Arguments	•	Special Methods
Elements	of Python	•	Scope Rules	•	Class Example
Type Con	version	•	Strings	0	Inheritance
Expression	ns	0	Indexing and Slicing of Strings	0	Inheritance and OOP
Assignme	nt Statement	0	More Slicing	0	Iterators
Arithmetic	Operators	•	Tuples	•	Recursion
Operator F	Precedence	•	Unpacking Sequences	•	Simple Search
Boolean E	expression	0	Lists	0	Estimating Search Time
Conditiona	als		Mutable Sequences		Binary Search
Expression	n Evaluation	•	List Comprehension	0	Estimating Binary Search Time
Float Repr	resentation	0	Sets	•	Recursive Fibonacci
Loops		0	Dictionaries	0	Tower Of Hanoi
For Loop			Higher Order Functions	0	Sorting
Nested Lo	oops	•	Sieve of Eratosthenes	0	Selection Sort
Break and	I Continue	0	File I/O	0	Merge List
Function		•	Exceptions	•	Merge Sort
		•	Assertions	0	Higher Order Sort
		•	Modules		

### 19 Smart Grid Technology (https://ict.iltk.ac.in/product/smart-grid-technology/

### EXPERTS/SPEAKERS-

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### **Principal Coordinator**

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### **MODULES TOPICS-**

Sm	art Grid Overview					
0	History of Smart Grid					
•	Conventional Grid Vs. Smart Grid					
•	Features of Smart Grid					
•	Key Characteristics of Smart Grid					
0	Smart Grid Elements					
0	Forces behind Smart Grid Evolution					
•	Smart Grid Stake Holders					
0	Smart Grid Building Blocks					
0	Smart Grid Resources					
Sm	art Grid Architecture & Design					
•	Conventional Power System Architecture					
0	IT Layer					
0	Communication Layer					
0	Distributed Architecture Design					

### **Smart Grid Measurement**

- Synchrophasor Technology
- Smart Meters and Advanced Metering Infrastructure
- Wireless Sensor Network (WSN)
- GIS/Google mapping
- .

### **Smart Grid Communication**

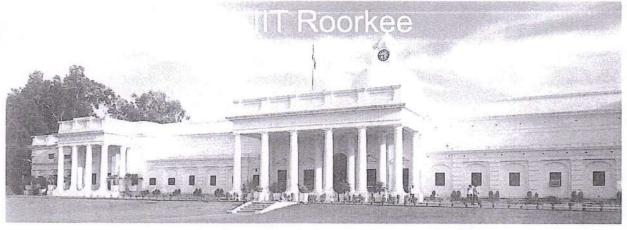
- Wired Communication (e.g. PLCC, Ethernet, Optical Fibre)
- Wireless Communication (e.g. WiFi, Zigbee, GSM/GPRS, WAN)
- Machine to Machine Communication

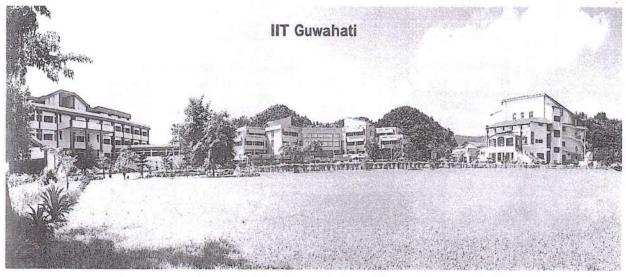
### **Smart Grid Standards and Protocols**

- IEC 61850
- IEC 60870
- IEEE C37.118
- IEEE 1588
- IEC 62351; IEC 61970/61968
- IEC 62056; DNP 3.0

### Interoperability & Associated Standard

- Interoperability issues in Smart Grid and its solutions
- Common Information Model
- Multispeak
- Green Button
- SunSpec
- SEP 2.0



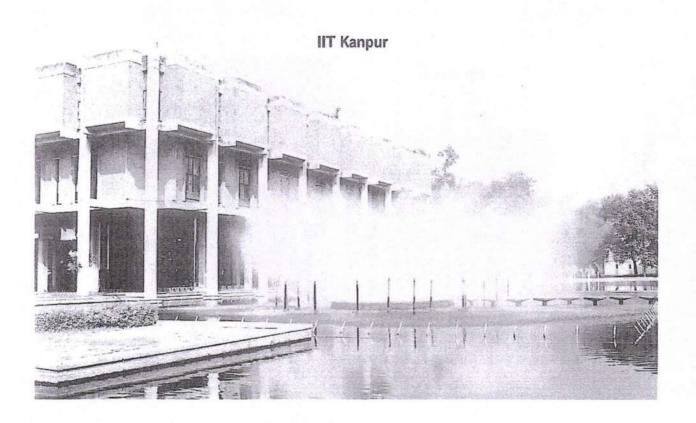












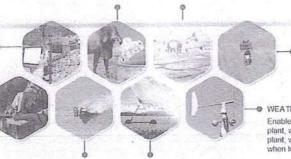
# FARMING DATA Vast farm data is stored on cloud, fed to advanced analytics engine, and used by agro-input companies to customize serving and farmers to make timely operating decisions to enhance yield and profitability CROWD SOURCING Establish agribusiness

## CONNECTED LIVESTOCK

Sensors monitor animal health and food intake; send alerts on health anomalies or reduction in food/water intake

### SMART DRONES

Survey fields, map weeds, yield and soil variations, enable application of inputs and map productivity. Drones are also used for applying pesticide and herbicide.



AUTONOMOUS TRACTOR

GPS-controlled
autonomous tractor charts
its route automatically
ploughs the land saving
fuel, and reduces soil
erosion and maintains soil quality

#### WEATHER FORECAST

Enables decisions about when to plant, what area and crop variety to plant, when to apply fertilizers and when to harvest

communities of practice to share insights or videos/pictures, also share information with other farmers in rural areas

FLEET OF AGRIBOTS Agribots tend to crops, weeding. fertilization and harvesting reduce fertilizer cost up to 90% and eliminate human labor

SOIL SENSORS

Provides information for ground-fruthing irrigation decisions and fine-funing irrigation practices, avoids under and over-irrigation saving crops from yield loss water-related diseases, nutrient losses and leach-outs

Academy & States/UTs catred	Advisory Board Chairman	Chief Investigator	Contact Details at Academy For all general queries
ectronics & ICT Academy at IIT IWahati sam, Arunachal Pradesh, Manipur, ghalaya, Mizoram, Nagaland, rura, Sikkim	Prof. T. G. Sitharam director@iitg.ac.in	Prof. Ratnajit Bhattacharjee ratnajit@iitg.ac.in M: 9954498116	Ms Feroza Haque (PM) Email: feroza.haque@iitg.ac.in M: 789 6233 561 Website: www.iitg.ernet.in/eictacad/
ectronics & ICT Academy at IIITDM balpur dhya Pradesh, Chhattisgarh, Maharashtra	Prof Sanjeev Jain director@iiitdmj.ac.in M:	Prof. Aparajita Ojha aojha@iiitdmj.ac.in M:+91 9425800334	Email: academyiiitdmj@gmail.com , M: +91 9893443284 Website: http://ict.iiitdmj.ac.in/
actronics & ICT Academy at VIT Jaipur asthan, Gujarat, Dadra & Nagar Haveli, man & Diu	Prof. Udaykumar R. Y. director@mnit.ac.in	Prof. Vineet Sahula ci.academy@mnit.ac.in M: 954 9654 227	Dr. Shailesh Sharma (PM) Email: academy@mnit.ac.in L: 0141-2715084 M: +91 96724 72877 Website: http://www.mnit.ac.in/eict
ectronics & ICT Academy at IIT inpur , 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 M: 0512 679 7787 Website: https://ict.iitk.ac.in/
ectronics & ICT Academy at NIT tna ar, Jharkhand, Odisha, West Bengal	Prof. Pradip Kumar Jain director@nitp.ac.in	Dr. Bharat Gupta bharat@nitp.ac.in M: 9331406964	Email: eictapatna@nitp.ac.in M: + 0612 - 237 1715 Website: http://www.nitp.ac.in/ict
ectronics & ICT Academy at IIT orkee nmu and Kashmir, Himachal Pradesh and arakhand	Prof. Ajit K. Chaturvedi director@iitr.ac.in	Dr. Sanjeev Manhas eict@iitr.ac.in M: +91 7078627392	Mr. Prateek Sharma (PM) Email: <a href="mailto:prateek2789@gmail.com">prateek2789@gmail.com</a> , M: +91 7078627392 Website: <a href="mailto:http://eict.iitr.ac.in/">http://eict.iitr.ac.in/</a>
ctronics & ICT Academy at NIT Irangal Jana, Andrra Pradesh, Kamataka, Ierry, ndaman and Nicobar Islands, Goa	Prof. N.V. Ramana Rao director@nitw.ac.in	Prof. R. B. V. Subramanyam rbvs66@gmail.com M: +91 949 134 6969	Email: eict.nitw@gmail.com M: 0912 101 6547 Website: http://nitw.ac.in/eict/