



POORNIMA

INSTITUTE OF ENGINEERING & TECHNOLOGY

Affiliated to RTU, Kota • Approved by AICTE & UGC under 2(f) • Accredited by NAAC and NBA

Five Days AICTE Training And Learning (ATAL) Faculty Development Program Session (2021-2022)



**Submitted By: -
Dr. Anil Kumar
Coordinator
Department of Computer Engineering
PIET**

**Submitted To:-
Dr. Dinesh Goyal
Director
PIET**



Report
on
Five Days AICTE Training And Learning (ATAL) Faculty
Development Program
on
“Recent Trends in Digital Image Processing”
07th - 11th, June 2021

Organized By-
Department of Computer Engineering
Poornima Institute of Engineering & Technology
ISI-2. RIICO INSTITUTIONAL AREA, SITAPURA, JAIPUR – 302022
RAJASTHAN, INDIA



ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

(A Statutory body under Ministry of HRD, Govt. of India) Nelson Mandela Marg, Vasant Kunj, New Delhi-110070 Website: www.aicte-india.org



AICTE TRAINING AND LEARNING (ATAL) ACADEMY, (ONLINE FDP)

F. No. 01/AICTE/ATAL-HQ/2021-22/1614760016 Date: 13-05-2021

To,
Dr./ Prof. /Sh./Smt. Anil Kumar
(Coordinator Online ATAL FDP)
Poornima Institute Of Engineering & Technology
ISI-2, RIICO Institutional
Area, Sitapura, Jaipur State - RAJASTHAN
Email - anil.kumar@poornima.ac.in

Sub: Release of a sum of Rs. 93,000/- for AICTE Training and Learning (ATAL) Academy Online FDP

Sir/Madam,

This is to convey the sanction of the Council for payment of **Rs. 93,000/- (Rupees Ninety Three Thousand Only)** for conduct of online AICTE Training And Learning (ATAL) Academy Programme “Recent Trends In Digital Image Processing” to **Poornima Institute Of Engineering & Technology, RAJASTHAN** under AICTE Training And Learning (ATAL) Academy.

This fund is being released in conformity with the terms & conditions as well as norms of the scheme as already communicated, and also being communicated in this letter.

The instructions/guidelines to be followed by University/Institution: -

- I. **Release of funds and maintenance of accounts**
- The University/College/Institute shall maintain proper accounts of the expenditure out of the grants, which shall be utilized only on approved items of expenditure.
 - The cost for conducting per programme will be Rs. 93,000/- as per detail given as under:

S. No.	Particulars	Amount (In Rupees)
1.	Honorarium to Co-ordinator	10000
2.	Honorarium for computer operator	2000

3.	Honorarium for experts (Rs.5000 per session for total 14 session)	70000
4.	Provision for payment to Lab Attendant engaged during lab practices	1000
5.	Miscellaneous charges (petty expenses not covered above)	10000
	TOTAL	93000

Programmes having permission to change amounts under different heads with overall ceiling of Rs 0.93lakh being intact.

- c. The grant is subject to the adjustment on the basis of Utilization Certificate in the prescribed proforma to be submitted by the University/College/Institution. Further, the accounts of the institute will be open for test check by the Council or Controller & Auditor General of India or any other officer designated by them

II. Disbursement of funds to institutions

The full amount of the grant sanctioned will be released as an advance to the University/Institute through electronic transfer on the account of the University/Institute after submission of mandate form.

Conduct of test and issuance of certificate

- A test shall be conducted by coordinator at the end of the program.
- The certificates shall be issued to those participants who have attended the program with minimum 80% of attendance and scored minimum 60% marks in the test.

II. Submission of documents by university/institution

- a. The following mandatory relevant documents are required to be submitted by the university/institution within one month of the completion of the program: -
- List of candidates who have successfully completed the program on the basis of the test conducted by Program Coordinator.
 - A program completion report along with photographs, videos, media report is to send after the completion of workshop along with the list of participants and Utilization Certificate, Expenditure Statement and feedback form etc. within one month of conduct of **AICTE Training and Learning (ATAL) Academy programme.**
- b. The amount of the grant shall be adjusted on submission of utilization certificate & detailed expenditure statement by University/Institution. On receipt of these documents, the total amount of financial assistance, admissible as per the norms, shall be worked out and grant-in-aid shall to adjust.

III. General Instructions

- Maximum 200 participants** may be allowed to attend online FDP. Coordinators are free to admit less number of participants depending on the feasibility.
- A test has to be conducted (may be online) on the last day and those who score more than 60% will be termed as successful candidates. Those who have **attendance 80% or more** and also **score more than 60% in the test** will be issued a **digital certificate.**
- These **online sessions are to be recorded** as the facility is available on the software which is being used for online delivery of FDP. You are also requested to share recording of sessions with AICTE.
- Eligibility for Participants:**
 - The faculty members of the AICTE approved institutions, research scholars, PG, Scholars, participants from Government, Industry (Bureaucrats/ Technicians/ Participants from Industry

- etc.) and staff of host institutions.
- ii. Not more than 30% from Host Institution
 - e. If programme is not conducted in the FY 2021-22 only, the released amount, has to be returned back to AICTE.
 - f. Any extra money required to complete the programme must be borne by the institute from their own resources but the quality of the activities should not be compromised.
 - g. FDP title name, name of coordinator, institute name is not allowed to change without permission however schedule dates may be changed with information ATAL Academy cell and Regional Office.

This Sanction Order may be treated as Offer Letter for all purposes.

Yours sincerely,



Director & Regional Officer

Copy forwarded for information and necessary action to -

1. Coordinator ATAL Programme
- 2. ATAL Academy Cell AICTE HQ**
3. Guard File

Five Days AICTE Training And Learning (ATAL) Faculty Development Programme on RECENT TRENDS IN DIGITAL IMAGE PROCESSING (Online)

June 07-11, 2021



Sponsored by



Organized by
Department of
Computer Engineering



POORNIMA
INSTITUTE OF ENGINEERING & TECHNOLOGY

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ABOUT INSTITUTE

Poornima Institute of Engineering & Technology was established in 2007 with the aim of imparting pragmatic technical education. In its magnificent journey of 14 years, PIET has set benchmarks and reached at new pinnacles in Engineering Education with dedication, perseverance and devotion. PIET is spearheading its outstanding voyage with the motto 'Success is not a destination, it's a journey'.

- State of Art of Infrastructure for innovative Teaching Pedagogy and ICT based learning.
- Ranked 3rd by Rajasthan Technical University under Quality Index Value Framework.
- Accredited with NBA for B. Tech CSE 2020.
- Accredited with NBA for B. Tech Civil in 2019.
- NAAC Accredited institute from 2019.
- Notable funding received from various Government and Private bodies (AICTE, RTU, IIHT, IMPACT, ZEETRON NETWORKS)

ABOUT DEPARTMENT

The Department of Computer Engineering is one of the finest and most diverse departments in the Poornima Foundation as well as in the Rajasthan Technological University, Kota. We offer the B. Tech in Computer Engineering since year 2007. I am glad to inform that Department has been accredited by National Board of Accreditation (NBA) and it is now in elite list of departments in India which has got this accreditation. The department of Computer Engineering offers B. Tech degree course with an approved intake of 180 students per year. Department makes the student industry ready with all practical experience by introducing new technology Machine learning, Data Science, Salesforce. Department has Huge Alumni base of more than 900 Alumni currently working with MNC's and Government Institutions.

ABOUT: AICTE TRAINING AND LEARNING (ATAL) FDP

The Online FDP is intended to imparting knowledge and training on the fundamentals of interdisciplinary field of Digital Image Processing using Biomedical Imaging, Computer Vision, Evolutionary Deep Intelligence, Image Segmentation and Classification and Remote Sensing. Machine Learning and Deep Learning is also playing a vital role in the field of Image Processing. Deep Learning will naturally have more efficient, more varied architectures than their ancestor deep neural networks.

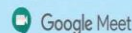
Digital Image Processing has become important as many organizations both public and private have been collecting massive amounts of domain-specific information. A key benefit of Digital Image Processing is the analysis and learning of massive amounts of Images, making it a valuable tool for medical field, automated identification of Satellite Images.

TOPICS TO BE COVERED

- Introduction to Digital Image Processing and Intelligent System
- Image Steganography and Implementation of Steganography
- Computer Vision: Interpret images and video as well as a typical human
- Image enhancement, Restoration and Segmentation
- Usage of Python in Image Processing
- Image Classification using Artificial Neural Network
- Machine Learning in Image Processing
- Image Segmentation and Classification using CNN
- Image Classification Using Artificial Neural Networks
- Stress Management Session
- Applications in Remote Sensing
- Image Captioning using Recurrent Neural Network
- Medical Image Analysis
- Moving Object Detection using Deep Learning

INSTRUCTIONS:

- Faculty/Research Scholars from Universities/AICTE recognized Institutions
- No Registration Fees
- Last Date of Registration: 01/06/21
- E-Certificates will be provided after successful completion of FDP
- Registration through ATAL portal



PATRON

Dr. Dinesh Goyal

(Principal, Poornima Institute of Engineering & Technology)

PROGRAM CHAIR

Mr. Deepak Moud

(Assistant. Professor, Computer Engineering, PIET)

COORDINATOR

Dr. Anil Kumar

(Associate Professor, Computer Engineering, PIET)

ATAL FDP SCHEDULE

Day 1 (07/06/2021)		Day 2 (08/06/2021)		Day 3 (09/06/2021)		Day 4 (10/06/2021)		Day 5 (11/06/2021)	
9.00 AM-11.00 AM	Session 1	9.00 AM-11.00 AM	Session 1	9.00 AM-11.00 AM	Session 1	9.00 AM-11.00 AM	Session 1	9.00 AM-11.00 AM	Session 1
11.10 AM-01.10 PM	Session 2	11.10 AM-01.10 PM	Session 2	11.10 AM-01.10 PM	Session 2	11.10 AM-01.10 PM	Session 2	11.10 AM-01.10 PM	Session 2
02.00 PM-04.00 PM	Session 3	02.00 PM-04.00 PM	Session 3	02.00 PM-04.00 PM	Session 3	02.00 PM-04.00 PM	Session 3	02.00 PM-04.00 PM	Session 3
& valedictory									

RESOURCE PERSONS

Dr. Rajesh Kumar	Professor, MNIT Jaipur
Dr. Mehak Khurana	Assistant Prof., The North Cap University, Gurugram
Dr. Deepak Ranjan Nayak	Associate Professor, MNIT Jaipur
Dr. Vivek Kumar Verma	Assistant Professor, Manipal University Jaipur
Dr. Sylvester Fermandis	Forsk Labs, Jaipur
Mr. Deepak Moud	Assistant Professor, PIET, Jaipur
Dr. Dilip Singh Sisodia	Assistant Professor, NIT, Raipur
Ms. Pooja Sharma	Assistant Professor, PIET, Jaipur
Mr. Yogendra Singh	Forsk Labs, Jaipur
Dr. Himanshu Govil	Assistant Professor, NIT, Raipur
Dr. Mahesh Jangid	Assistant Professor, Manipal University
Dr. Dheeraj Aggarwal	Associate Professor, MANIT, Bhopal
Dr. Santosh Vipparthi	Assistant Professor, MNIT, Jaipur

RSVP

Dr. Anil Kumar (Associate Professor)

✉ : anil.kumar@poornima.org

☎ : 9896017351

**Five Days AICTE Training And Learning(ATAL) Faculty
Development Programme on “Recent Trends in Digital
Image Processing ” 07th -11th , June 2021**

Date: 07-11, June 2021

**Time-9:00 AM-
11:00 AM
11:10 AM-1:10
PM
2:00 PM-4:00
PM**

Mode- Online (Google Meet & MStears)

**Participants
Registered-199**

**Resource
Persons**

1. Dr. Rajesh Kumar, professor, MNIT,Jaipur
2. Dr. Mehak Khurana, Associate Professor, North Cap University,Gurugram
3. Dr.Deepak Ranjan Nayak, Associate professor, MNIT,Jaipur
4. Dr. Sylvester Frenandes,Co-Fonder,Forsk Technologies, Jaipur
5. Mr. Deepak Moud, Assistant Professor, Poornima Institute of Engineering & Technology
6. Dr.Vivek Kumar Verma,Associate Professor,Maipal University,Jaipur
7. Dr.Deepak Singh,Bennet Univerisy,Noida
8. Ms.Pooja Sharma,Assistenat Professor, Poornima Institute of Engineering & Technology
9. Mr. Yogendra Singh. CEO, Forsk Technology, Jaipur
10. Mr. Siddharth,Art of Living Session
11. Dr. Mahesh Jangid,Assistenat Professor,Manipal University, Jaipur
12. Dr. S.J.Nanda,Associate Profesor,MNIT,Jaipur
13. Dr. Dheeraj Aggarwal, Associate Professor, MANIT, Bhopal
14. Dr.Santosh Vipprarthi,Associate Professor,MNIT,Jaipur

**Selected Participants
for FDP- 199**

Mode of FDP: Presentation and Hands Google colab using Python

Detailed Report

Department of Computer Engineering, Poornima Institute of Engineering & Technology has conducted **Five Days AICTE Training And Learning (ATAL) Faculty Development Programme on “Recent Trends in Digital Image Processing” 7-11 June 2021**

About Institute:

Poornima Institute of Engineering and Technology, Jaipur (PIET), is one of the premier institutions in engineering education in Rajasthan and is affiliated to Rajasthan Technical University and approved by AICTE. Shanti Education Society established in year 1999, initiated Poornima Group with student strength of 180 has now become best destination for Technical Education in Rajasthan. During its journey of 19 years Poornima Group has developed 4 institutions of repute and has grown to the size of 8000 students. Poornima Group institutions are known for excellent placements, consistent university results; 360-degree development of students. The society, governs three AICTE approved & RTU affiliated college and one University approved by UGC.

PIET, is one of the premier institutions in engineering education in Rajasthan, established in the academic year 2007, is affiliated to Rajasthan Technical University and approved by AICTE. PIET is accredited by National Assessment and Accreditation Council (NAAC). Two of its programs namely B.Tech in Computer Engineering and B.Tech in Civil Engineering are accredited by National Board of Accreditation (NBA), India for the quality education. PIET has been ranked 3rd among all RTU affiliated colleges in Quality Index Value (QIV) assessment in academic year 2020-21. PIET has been rated as GOLD in Survey of Industry Linked Technical Institutes conducted by AICTE-CII. The management makes sustained efforts to use education as an instrument for growth of economy and is the driving force & inspirational spirit behind the establishment of PIET.

The following details convey its journey of progress and benchmarking in quality education.

PIET Achievements & Highlights: -

State of Art of Infrastructure for innovative Teaching Pedagogy and ICT based learning.

- Ranked 3rd by Rajasthan Technical University under Quality Index Value Framework.
- Accredited with NBA for B.Tech CSE 2020. • Accredited with NBA for B.Tech Civil in 2019.
- NAAC Accredited institute from 2019.
- Notable funding received from various Government and Private bodies (AICTE, RTU, IIHT, IMPACT, ZEETRON NETWORKS)

Regular and quality placements in all Major MNC are like Infosys, Capgemini. IBM, Adani, etc. with more than 91% eligible students getting placed in house every year.

Industry oriented labs for quality education IBM, Oracle, Celebal Technologies, RapidOs, Wipro, FACE, Redhat, CESA etc., Faculty Felicitation & Reward system and similar systems for students, Concerned for Environment & sustainability, Waste Management, Rain Water Harvesting and Facilities for Sports, Gymnasium, Cultural Activities, Auditorium

About Department

The Department of Computer Engineering is one of the finest and most diverse departments in the Poornima Foundation as well as in the Rajasthan Technological University, Kota. We offer the B.Tech in Computer Engineering since year 2007. I am glad to inform that Department has been accredited by National Board of Accreditation (NBA) and it is now in elite list of departments in India which has got this accreditation. The department of Computer Engineering offers B.Tech degree course with an approved intake of 180 students per year. Department makes the student industry ready with all practical experience by introducing new technology Machine learning, Data Science, Salesforce. Department has Huge Alumni base of more than 900 Alumni currently working with MNC's and Government Institutions.

About: AICTE Training And Learning (ATAL) Faculty Development Programme

The FDP on Recent Trends in Digital Image Processing is intended to impart knowledge and training on the fundamentals of the interdisciplinary field of Digital Image Processing using Biomedical Imaging, Computer Vision, Evolutionary Deep Intelligence, Image Segmentation and Classification and Remote Sensing. In Biomedical Image Processing researchers are developing novel and exciting ways to address the issues associated with biomedical imaging to assist clinicians, radiologists, pathologists, and clinical research scientists in better visualizing, diagnosing, and understanding various diseases affecting the human body.

Machine Learning and Deep Learning is also playing a vital role in the field of Image Processing. Deep Learning will naturally have more efficient, more varied architectures than their ancestor deep neural networks. Extracting information from a digital image often depends on first identifying desired objects or breaking down the image into homogenous regions (a process called 'segmentation') and then assigning these objects to particular classes (a process called 'classification') The methodology can be used to identify tumors in medical images, crops in satellite imagery, cells in biological tissue, or human faces in standard digital images or video. Digital Image Processing has become important as many organizations both public and private have been collecting massive amounts of domain-specific information. A key benefit of Digital Image Processing is the analysis and learning of massive amounts of Images, making it a valuable tool for the medical field, automated identification of Satellite Images.

Objective of Faculty development Program.

The main objective is to make the participants familiar in the field of Recent Approach towards Digital Image Processing. This course may be beneficial to faculty members & research scholars who intend to practice/begin research in the field of processing and analysis of data using advanced techniques.

ATAL FDP On Recent Trends In Digital Image Processing 7-11 June,2021

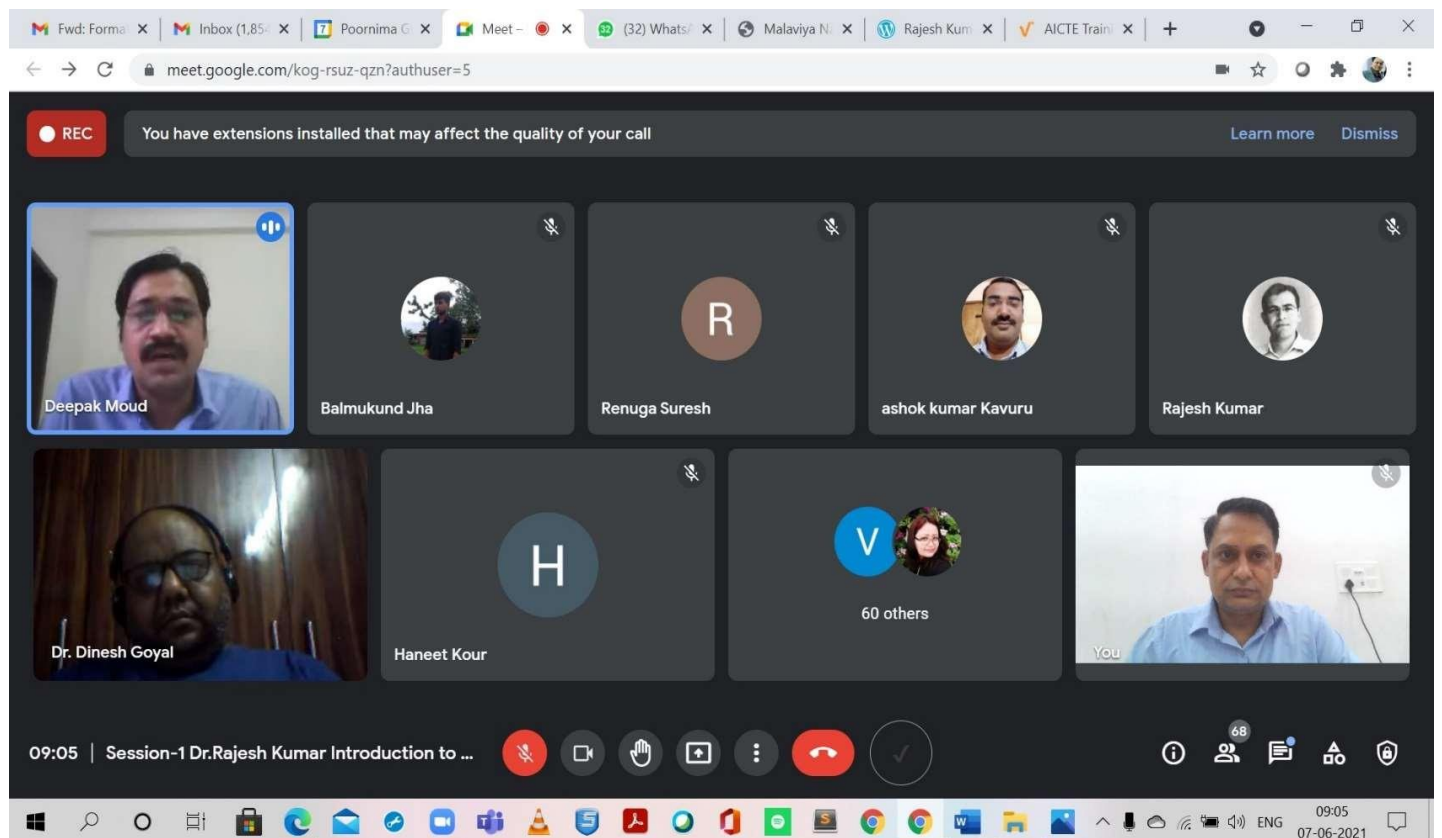
	9:00 AM -11:00 AM	11:00 - 11:10	11:10 AM - 1:10 PM	1:10 PM - 2:00 PM	2:00 PM - 4:00 PM
	Session-1		Session-2		Session-3
Monday 07.06.2021	Introduction to Digital Image Processing and Intelligent System Dr. Rajesh Kumar, Professor, MNIT Jaipur)	Break	Image Steganography and Implementation of Stegnography Dr. Mehak Khurana Assistant Professor, The North Cap University, Gurugram, Haryana	Lunch	Computer Vision: interpret images and video as well as a typical human Dr. Deepak Ranjan Nayak, Associate Professor, MNIT Jaipur
	Session-4		Session-5		Session-6
Tuesday 08.06.2021	Usage of Python in Image Processing Dr. Sylvester Fernandes, Forsk Technologies, Jaipur	Break	Image Classification using Artificial Neural Network Mr. Deepak Moud, Assistant Professor, PIET, Jaipur	Lunch	Image enhancement, Restoration and Segmentation. Dr. Vivek Kumar Verma, Assistant Professor, Manipal University Jaipur
	Session-7		Session-8		Session-9
Wednesday 09.06.2021	Machine Learning in Image Processing Dr. Deepak Singh, Bannet University, NOIDA	Break	Image Segmentation and Classification using CNN Ms. Ms.Pooja Sharma, Assitant Professor, PIET, Jaipur	Lunch	Image Classification Using Artificial Neural Networks Mr. Yogendra Singh, Forsk Technologies, Jaipur
	Session-10		Session-11		Session-12

Thursday 10.06.2021	Stress Management Session Mr. Siddhart Pandey, Art of Living	Break	Applications in Remote Sensing Dr.S.J.Nanda,MNIT, Jaipur	Lunch	Image Captioning using Recurrent Neural Network Dr.Mahesh Jangid Assistant Professor, Manipal University
	Session-13		Session-14		Session-15
Friday 11.06.2021	Medical Image Analysis Dr.Dheeraj Aggarwal, Associate Professor, MANIT, Bhopal)	Break	Moving Object Detection using Deep Learning Dr. Santosh Vipparthi Assistant Professor, MNIT	Lunch	Valedictory & Feedback

Inauguration of ATAL FDP:

The inauguration was held on 7th June 2021 online at 9:00 am. **Dr. Dinesh Goyal, Director, Mr. Deepak Moud, HOD, Department of Computer Engineering & Dr. Anil Kumar Coordinator Poornima Institute of engineering & Technology, Jaipur** addressed the participants about online ATAL FDP and various initiatives by Poornima Institute of Engineering and Technology in the field of education.

Screenshots of the inaugural function are as below.



Session Detail:

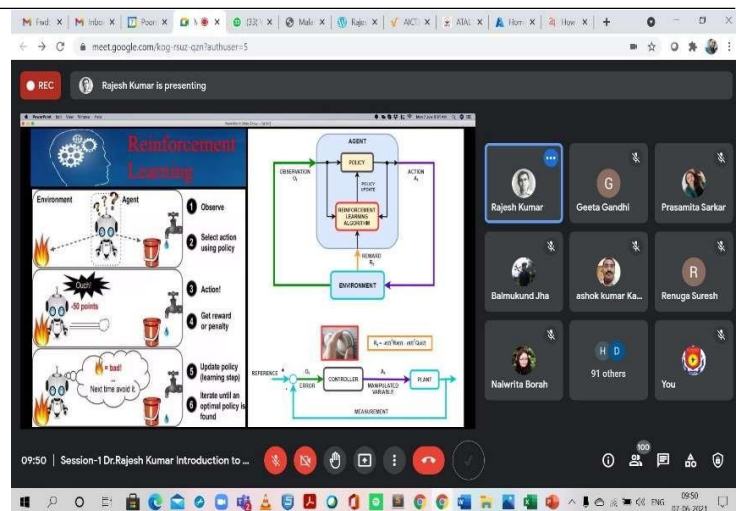
Session 1: Day: Monday, 07/06/2021

Time; 9:00 AM to 11:00 AM

Topic: Introduction to Digital Image Processing and Intelligent System.

Resource Person: Dr. Rajesh Kumar, Professor, MNIT, Jaipur

Snapshot:



Session 2

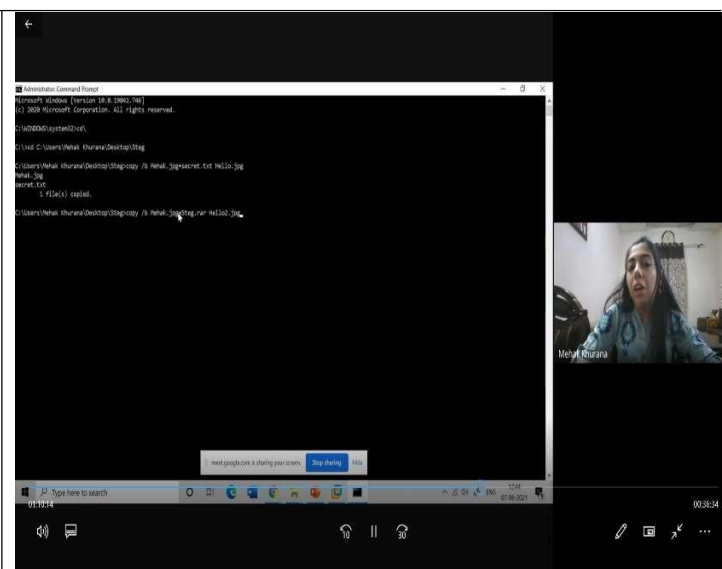
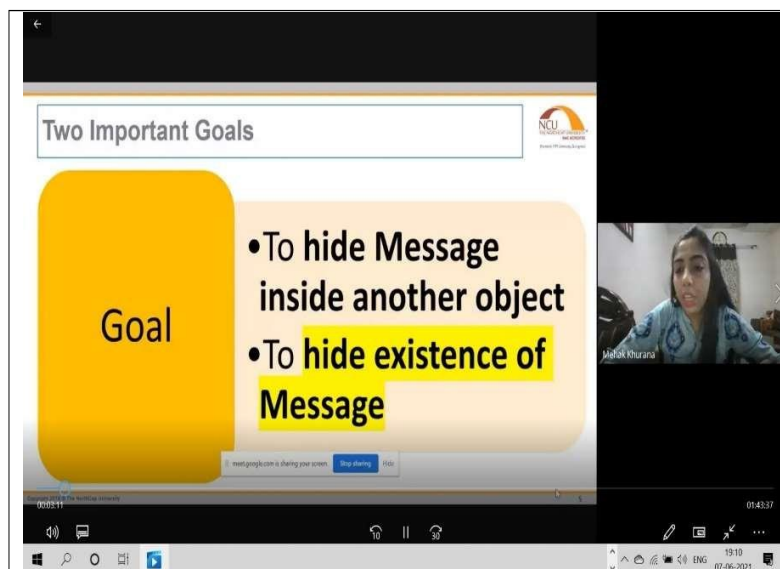
Day: Monday, 07/06/2021

Time; 11:10 AM to 1:10 PM

Topic: Image Steganography and Implementation of Steganography

Resource Person: Dr. Mehak Khurana, Assistant Professor, The North Cap University, Gurugram, Haryana

Snapshot :



Session 5

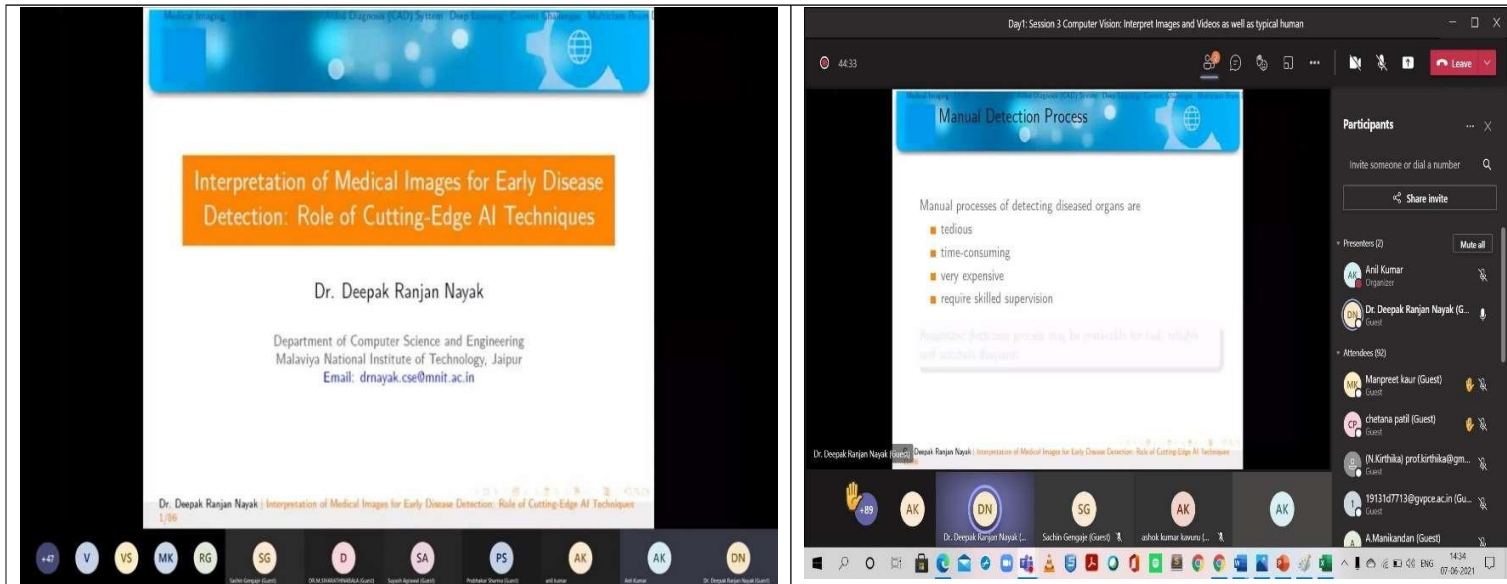
Day: Monday, 07/06/2021

Time; 2:00 PM to 4:00 PM

Topic: Computer Vision: interpret images and video as well as a typical human

Resource Person: Dr. Deepak Ranjan Nayak, Associate Professor, MNIT Jaipur

Snapshot :



Session 4:

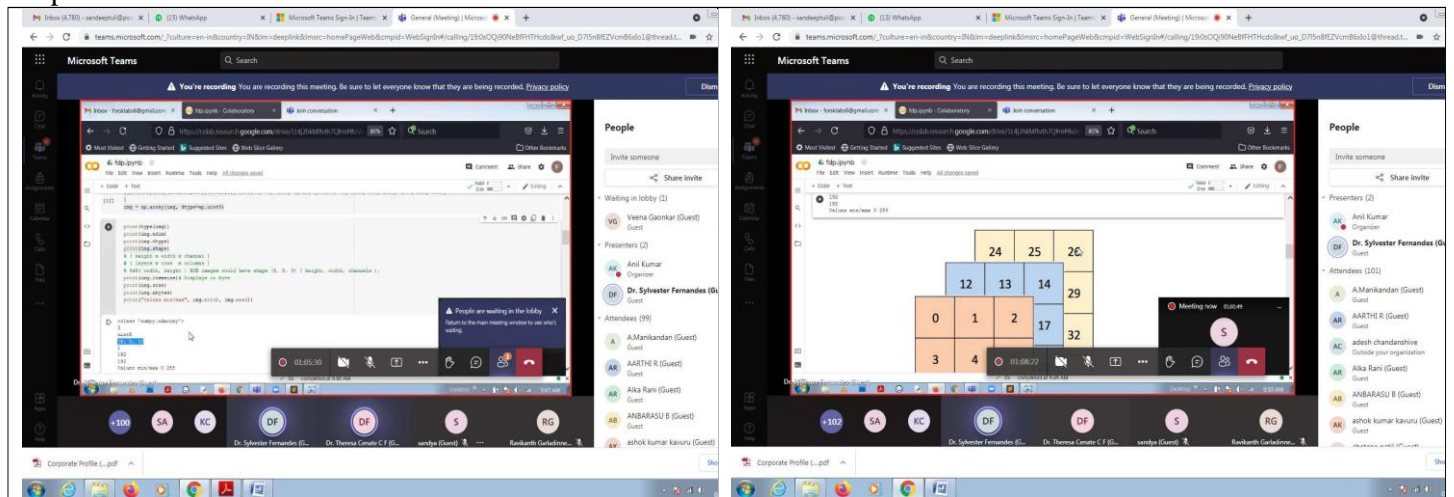
Day: Tuesday, 08/06/2021

Time; 9:00AM to 11:00 AM

Topic: Usage of Python in Image Processing

Resource Person: Dr. Sylvester Fernandes, Forsk Technologies, Jaipur

Snapshot:



Session 5

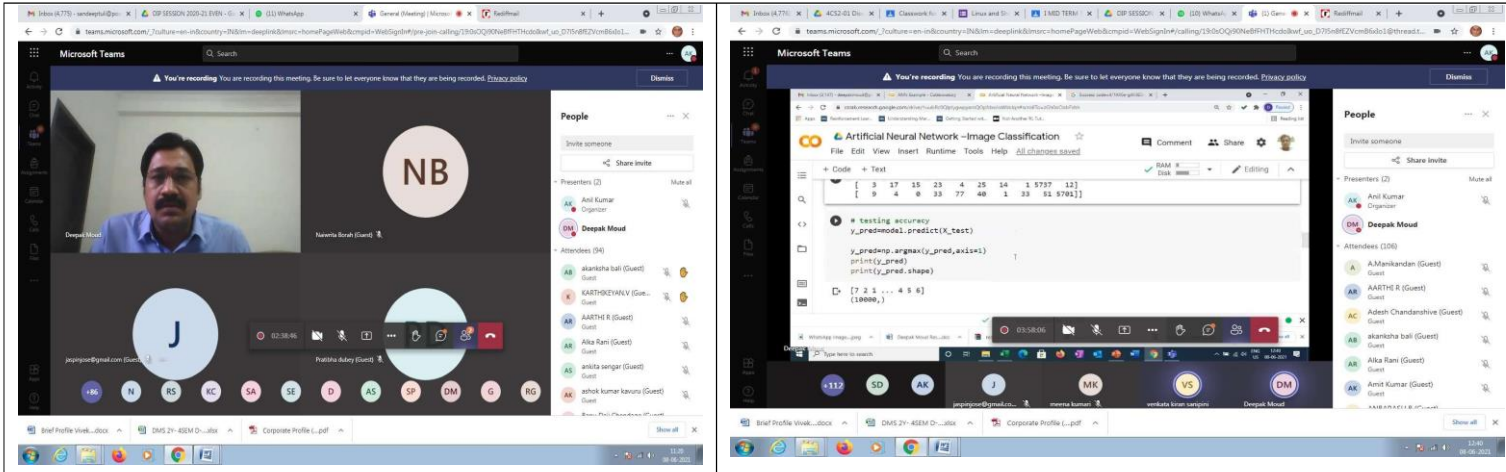
Day: Tuesday, 08/06/2021

Time; 11:10 AM to 1:10 PM

Topic: Image Classification using Artificial Neural Network

Resource Person: Mr. Deepak Moud, Assistant Professor, Poornima Institute of Engineering & Technology

Snapshot



Session 6:

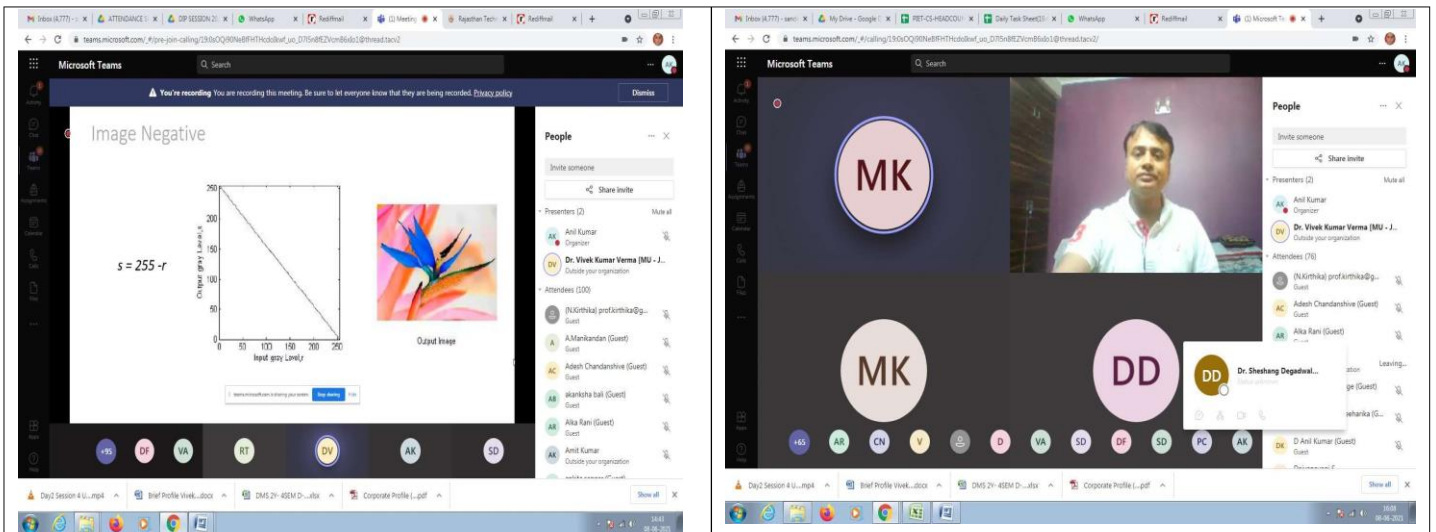
Day: Tuesday, 08/06/2021

Time; 2:00 PM to 4:00 PM

Topic: Image enhancement, Restoration and Segmentation.

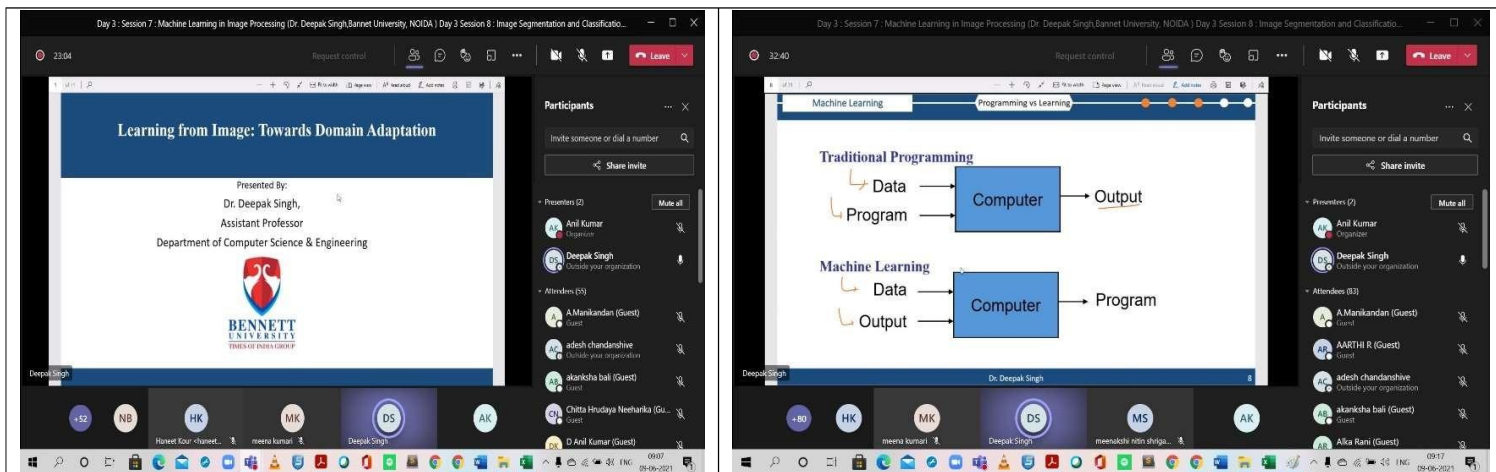
Resource Person: Dr. Vivek Kumar Verma, Assistant Professor, Manipal University Jaipur

Snapshot :

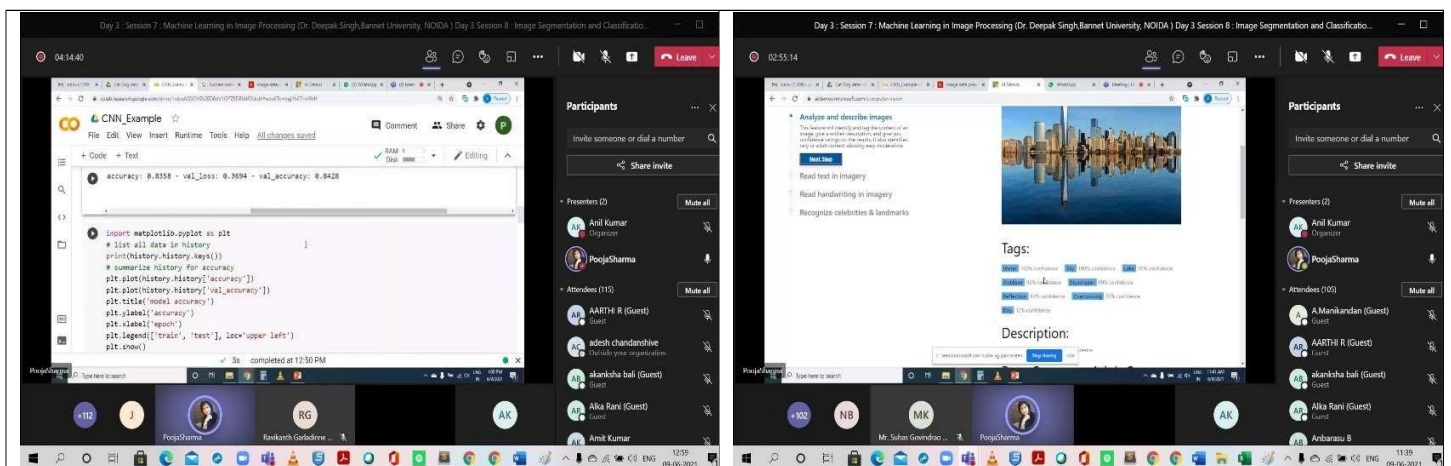


Session 7:

Day: Wednesday, 09/06/2021
Time; 10:00 AM to 11:30 AM
Topic: Machine Learning in Image Processing
Resource Person: Dr. Deepak Singh, Bennet University, NOIDA
Snapshot:



Session 8
Day: Wednesday, 09/06/2021
Time; 11:10 AM to 1:10 PM
Topic: Image Segmentation and Classification using CNN
Resource Person: Ms. Pooja Sharma, Assistant Professor, Poornima Institute of Engineering & Technology
Snapshot



Session 9

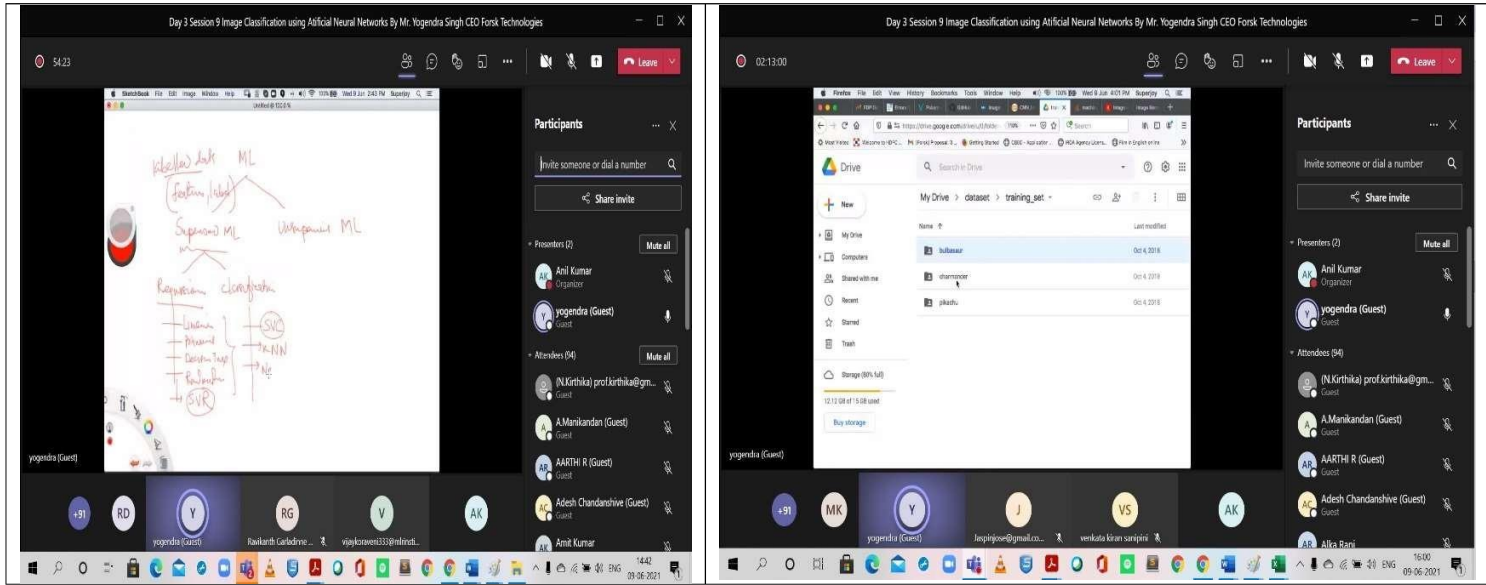
Day: Wednesday, 09/06/2021

Time; 2:00 PM to 4:00 PM

Topic: Image Classification Using Artificial Neural Networks

Resource Person: - Mr. Yogendra Singh, Forsk Technologies, Jaipur

Snapshot :



Session 10:

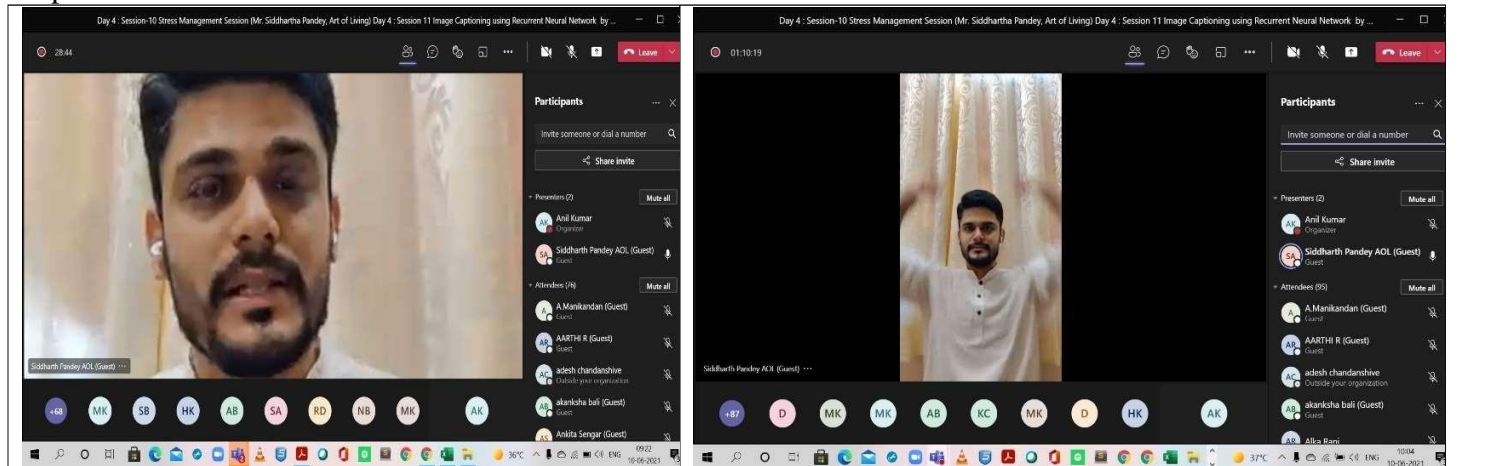
Day: Thursday, 10/06/2021

Time; 9:00 AM to 11:00 AM

Topic: Stress Management Session

Resource Person: - Mr. Siddharth Pandey, Art of Living

Snapshot :



Session 11:

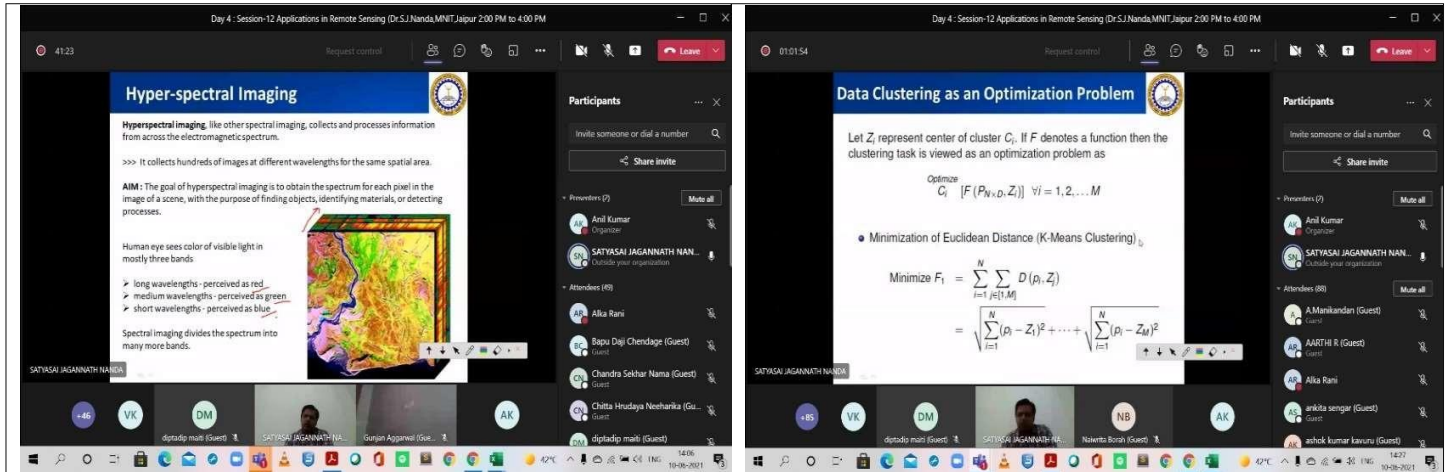
Day: Thursday, 10/06/2021

Time; 11:10 AM to 1:10 PM

Topic: Applications in Remote Sensing

Resource Person: Dr.S.J.Nanda,MNIT,Jaipur

Snapshot



Session 12:

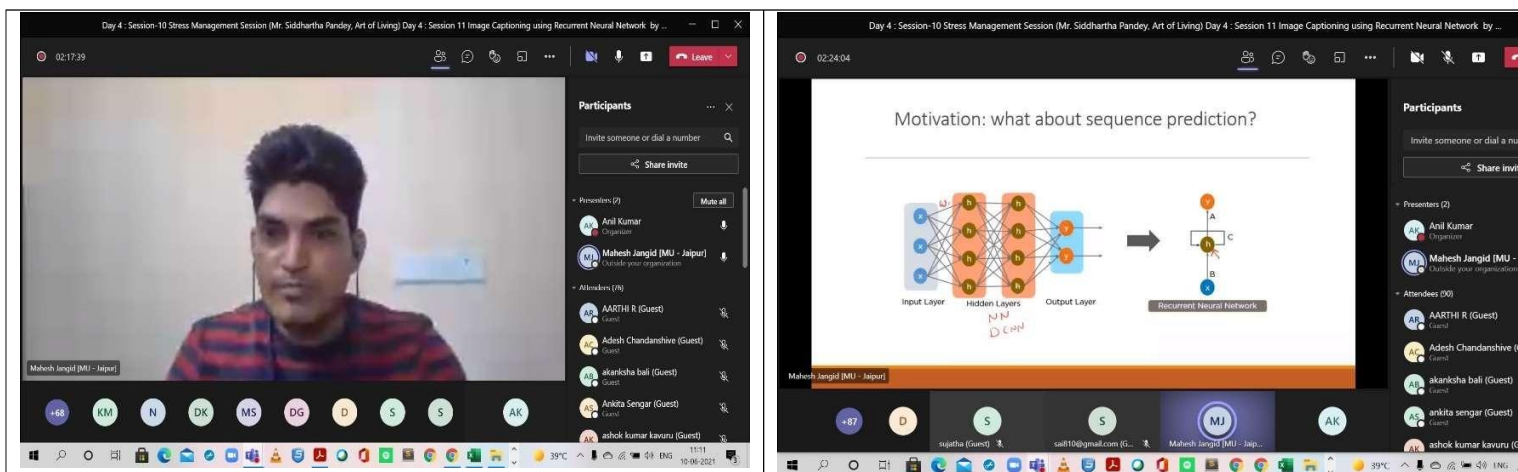
Day: Friday, 10/06/2021

Time; 2:00 PM to 4:00 PM

Topic: Image Captioning using Recurrent Neural Network

Resource Person: Dr. Mahesh Jangir, Assistant Professor, Manipal University

Snapshot :



Session 13:

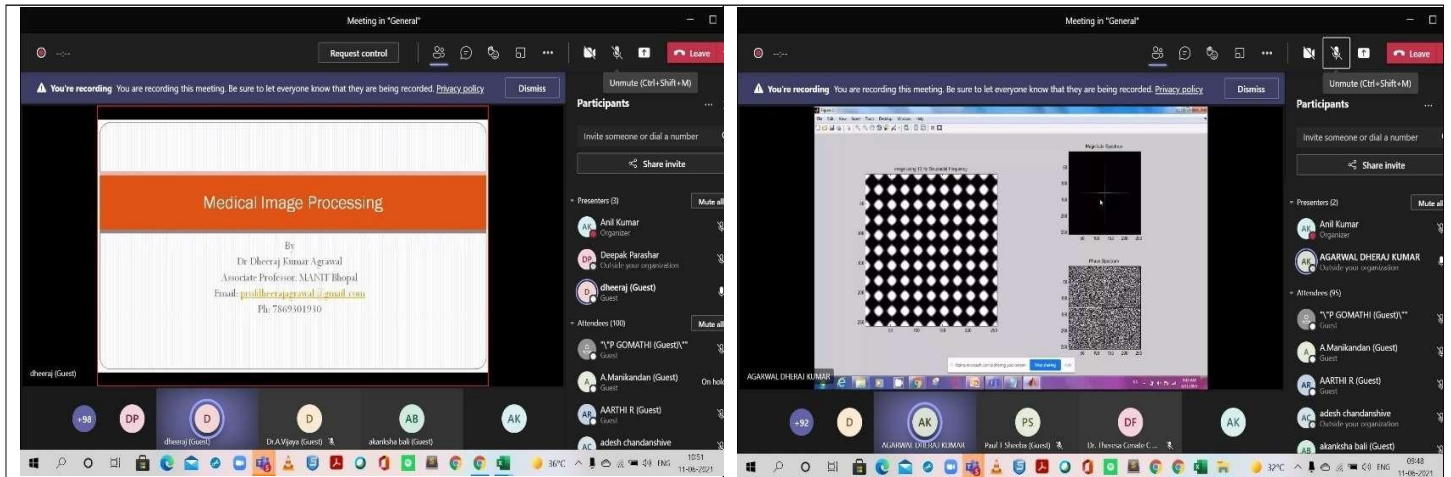
Day: Saturday, 11/06/2021

Time; 10:00 AM to 11:00 AM

Topic: Medical Image Analysis

Resource Person: - Dr. Dheeraj Aggarwal, Associate Professor, MANIT, Bhopal

Snapshot :



Session 14:

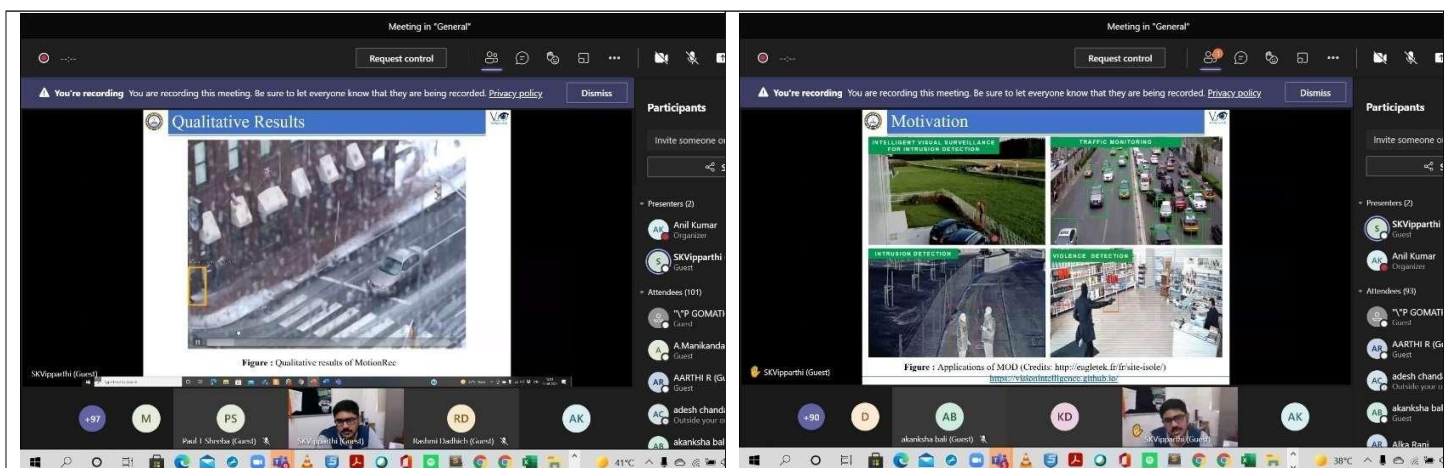
Day: Saturday, 22/08/2020

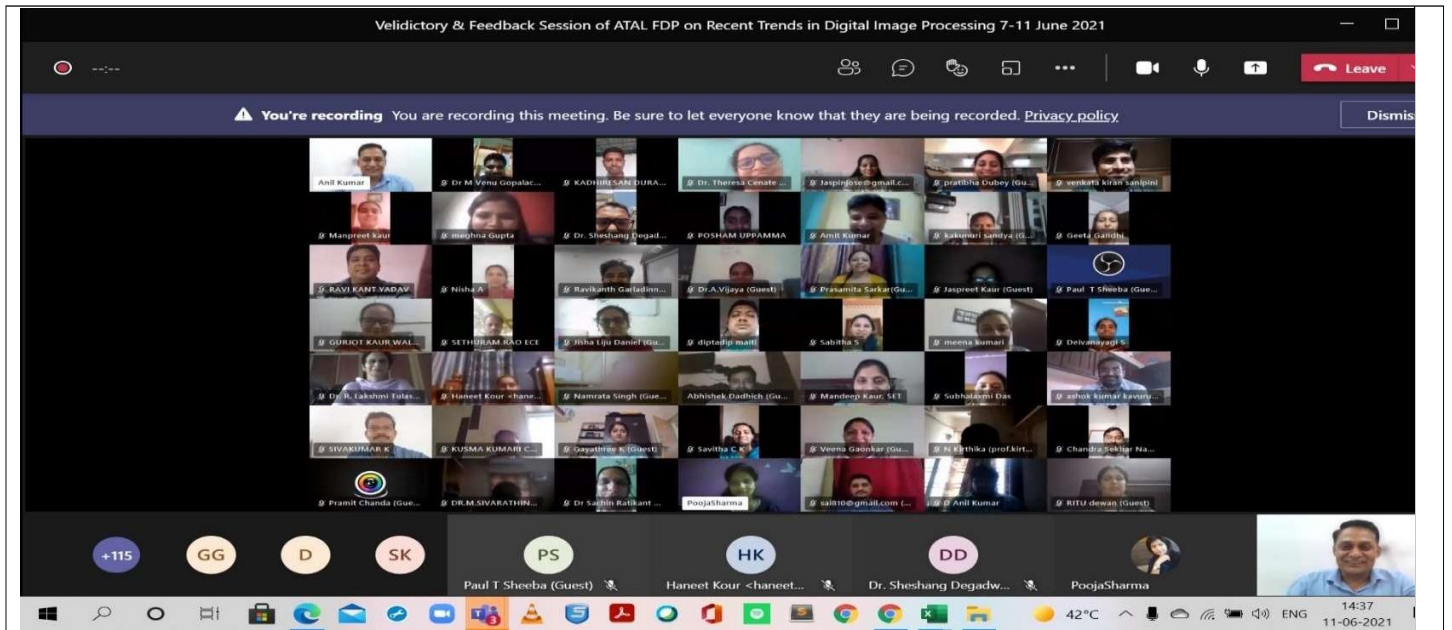
Time; 11:45 AM to 1:15 PM

Topic: Moving Object Detection using Deep Learning

Resource Person: Dr. Santosh Vipparthi, Assistant Professor, MNIT,Jaipur

Snapshot







डिजिटल इमेज प्रोसेसिंग पर फैकल्टी डवलपमेंट प्रोग्राम आयोजित

जयपुर। पूर्णिमा इंस्टीट्यूट ऑफ इंजीनियरिंग एंड टेक्नोलॉजी की ओर से तथा एआईसीटीई के सहयोग से रीसेंट ट्रेड्स इन डिजिटल इमेज प्रोसेसिंग विषय पर एआईसीटीई ट्रेनिंग एंड लर्निंग फैकल्टी डवलपमेंट प्रोग्राम आयोजित किया जा रहा है। इस वर्चुअल प्रोग्राम में देशभर के विभिन्न कॉलेजों व यूनिवर्सिटीज के करीब 200 फैकल्टी मेम्बर शामिल हुए हैं। शुरुआत में मेजबान पूर्णिमा इंस्टीट्यूट के डायरेक्टर डॉ. दिनेश गोयल ने एफडीपी के वक्ताओं व प्रतिभागियों का स्वागत किया और पूर्णिमा इंस्टीट्यूट की विभिन्न गतिविधियों व उपलब्धियों पर प्रकाश डाला। एमएनआईटी, जयपुर के प्रोफेसर डॉ. राजेश कुमार ने प्रतिभागियों को बताया कि डिजिटल इमेजेज की मदद से किस प्रकार इंसान के दिमाग को पढ़ा जा सकता है। नॉर्थ केप यूनिवर्सिटी

गुरुगाम की असिस्टेंट प्रोफेसर डॉ. महक खुराना ने बताया कि डेटा को छिपाने में इमेजेज का किस प्रकार उपयोग किया जा सकता है। एमएनआईटी, जयपुर के एसोसिएट प्रोफेसर डॉ. दीपक रंजन नायक ने अपने सेशन में मेडिकल क्षेत्र की वर्तमान चुनौतियों की चर्चा करते हुए इनके समाधान में डिजिटल इमेजेज की भूमिका की जानकारी दी। इस अवसर पर कंप्यूटर इंजीनियरिंग डिपार्टमेंट के एचओडी दीपक मोड व प्रोग्राम कॉर्डिनेटर डॉ. अनिल कुमार भी उपस्थित थे। इस पांच दिवसीय ऑनलाइन फैकल्टी डवलपमेंट प्रोग्राम में देश की प्रमुख एनआईटी, आईआईटी व यूनिवर्सिटीज के विशेषज्ञों के टेक्निकल सेशन आयोजित किए जा रहे हैं। आर्ट ऑफ लिविंग की ओर से एक स्ट्रेस लेवल मैनेजमेंट सत्र भी होगा।

देशभर के संस्थानों से शामिल हुए 200 फैकल्टी मेम्बर

डिजिटल इमेज प्रोसेसिंग पर फैकल्टी डवलपमेंट प्रोग्राम

इंडेली न्यूज, mix रिपोर्टर, जयपुर। पूर्णिमा इंस्टीट्यूट ऑफ इंजीनियरिंग एंड टेक्नोलॉजी की ओर से और एआईसीटीई के सहयोग से रीसेंट ट्रेड्स इन डिजिटल इमेज प्रोसेसिंग विषय पर एआईसीटीई ट्रेनिंग एंड लर्निंग फैकल्टी डवलपमेंट प्रोग्राम आयोजित किया जा रहा है। इस वर्चुअल प्रोग्राम में देशभर के विभिन्न कॉलेजों और यूनिवर्सिटीज के करीब 200 फैकल्टी मेम्बर शामिल हुए। शुरुआत में मेजबान पूर्णिमा इंस्टीट्यूट के डायरेक्टर डॉ. दिनेश गोयल ने पूर्णिमा इंस्टीट्यूट की विभिन्न गतिविधियों और उपलब्धियों पर प्रकाश डाला।

एमएनआईटी जयपुर के प्रो. डॉक्टर राजेश कुमार ने बताया कि डिजिटल इमेजेज की मदद से किस प्रकार इंसान के दिमाग को पढ़ा जा सकता है। नॉर्थ केप यूनिवर्सिटी, गुरुगाम की असिस्टेंट प्रोफेसर डॉ. महक खुराना ने बताया

कि डेटा को छिपाने में इमेजेज का किस प्रकार उपयोग हो सकता है। एमएनआईटी जयपुर के एसोसिएट प्रो. डॉ. दीपक रंजन नायक ने अपने सेशन में मेडिकल क्षेत्र की वर्तमान चुनौतियों की चर्चा की और उनके समाधान में डिजिटल



इमेजेज की भूमिका बताई। इस अवसर पर कंप्यूटर इंजीनियरिंग डिपार्टमेंट के एचओडी दीपक मोड और प्रोग्राम कॉर्डिनेटर डॉ. अनिल कुमार भी उपस्थित थे। इस पांच दिवसीय ऑनलाइन फैकल्टी डवलपमेंट प्रोग्राम में देश की प्रमुख एनआईटी, आईआईटी व यूनिवर्सिटीज के विशेषज्ञों के टेक्निकल सेशन आयोजित किए जा रहे हैं।

Video links:

Session Name	You Tube Links
1 Introduction to Digital Image Processing and Intelligent System (Dr. Rajesh Kumar, Professor, MNIT Jaipur)	https://www.youtube.com/watch?v=Y9mEphNd1Pk&list=PLATj_8rkvHaZFIElhtlzZDfMsgpsG2GqV&index=1
2. Image Steganography and Implementation of Steganography (Dr. Mehak Khurana, Assistant Professor, The North Cap University, Gurugram, Haryana)	https://www.youtube.com/watch?v=HCubLLOnrnM&list=PLATj_8rkvHaZFIElhtlzZDfMsgpsG2GqV&index=2
3 Computer Vision: interpret images and video as well as a typical human (Dr. Deepak Ranjan Nayak, Associate Professor, MNIT Jaipur)	https://www.youtube.com/watch?v=1yIOXhYWNOA&list=PLATj_8rkvHaZFIElhtlzZDfMsgpsG2GqV&index=3
4. Usage of Python in Image Processing (Dr. Sylvester Fernandes, Forsk Technologies, Jaipur)	https://www.youtube.com/watch?v=siBG7KUxPrQ&list=PLATj_8rkvHaZFIElhtlzZDfMsgpsG2GqV&index=4
5. Image Classification using Artificial Neural Network. (Mr. Deepak Moud, Assistant Professor, Poornima Institute of engineering & Technology, Jaipur)	https://www.youtube.com/watch?v=kyYMvaOkHo&list=PLATj_8rkvHaZFIElhtlzZDfMsgpsG2GqV&index=5
6 Image enhancement, Restoration and Segmentation. (Dr. Vivek Kumar Verma, Assistant Professor, Manipal University Jaipur)	https://www.youtube.com/watch?v=2Srz_CbxWsA&list=PLATj_8rkvHaZFIElhtlzZDfMsgpsG2GqV&index=6
7. Machine Learning in Image Processing (Dr. Deepak Singh, Bannet University, NOIDA)	https://www.youtube.com/watch?v=TUDq4_4nZ2c&list=PLATj_8rkvHaZFIElhtlzZDfMsgpsG2GqV&index=7
8. Image Segmentation and Classification using CNN Ms. (Ms. Pooja Sharma, Assistant Professor, Poornima Institute of Engineering & Technology, Jaipur)	https://www.youtube.com/watch?v=PqrB-wf1IU&list=PLATj_8rkvHaZFIElhtlzZDfMsgpsG2GqV&index=8

9. Image Classification Using Artificial Neural Networks. (Mr. Yogendra Singh, Forsk Technologies, Jaipur)	https://www.youtube.com/watch?v=GXxbHtJh3FA&list=PLATj_8rkvHaZFIElhtlzZDfMsgpsG2GqV&index=9
10. Stress Management Session (Mr. Siddharth Pandey, Art of Living)	https://www.youtube.com/watch?v=NMeiP133UD8&list=PLATj_8rkvHaZFIElhtlzZDfMsgpsG2GqV&index=14
11. Applications in Remote Sensing (Dr.S.J. Nanda, MNIT,Jaipur)	https://www.youtube.com/watch?v=bAR6WXU2R7U&list=PLATj_8rkvHaZFIElhtlzZDfMsgpsG2GqV&index=10
12. Image Captioning using Recurrent Neural Network (Dr. Mahesh Jangid, Assistant Professor, Manipal University, Jaipur)	https://www.youtube.com/watch?v=4QLsfrR3bdw&list=PLATj_8rkvHaZFIElhtlzZDfMsgpsG2GqV&index=15
13. Medical Image Analysis (Dr. Dheeraj Aggarwal, Associate Professor, MANIT, Bhopal)	https://www.youtube.com/watch?v=tNJfq3A3p70&list=PLATj_8rkvHaZFIElhtlzZDfMsgpsG2GqV&index=11
14. Moving Object Detection using Deep Learning (Dr. Santosh Vipparthi, Assistant Professor, MNIT, Jaipur)	https://www.youtube.com/watch?v=pdKxaUr-zKY&list=PLATj_8rkvHaZFIElhtlzZDfMsgpsG2GqV&index=12

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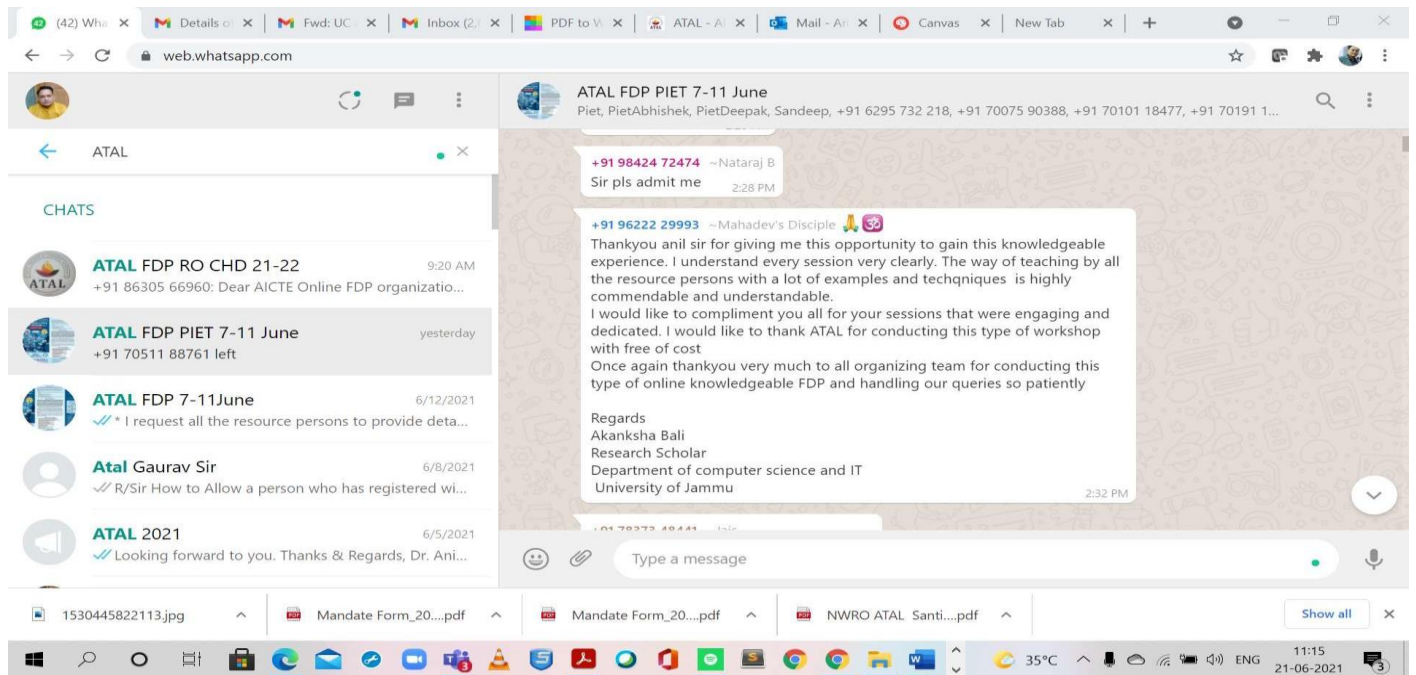
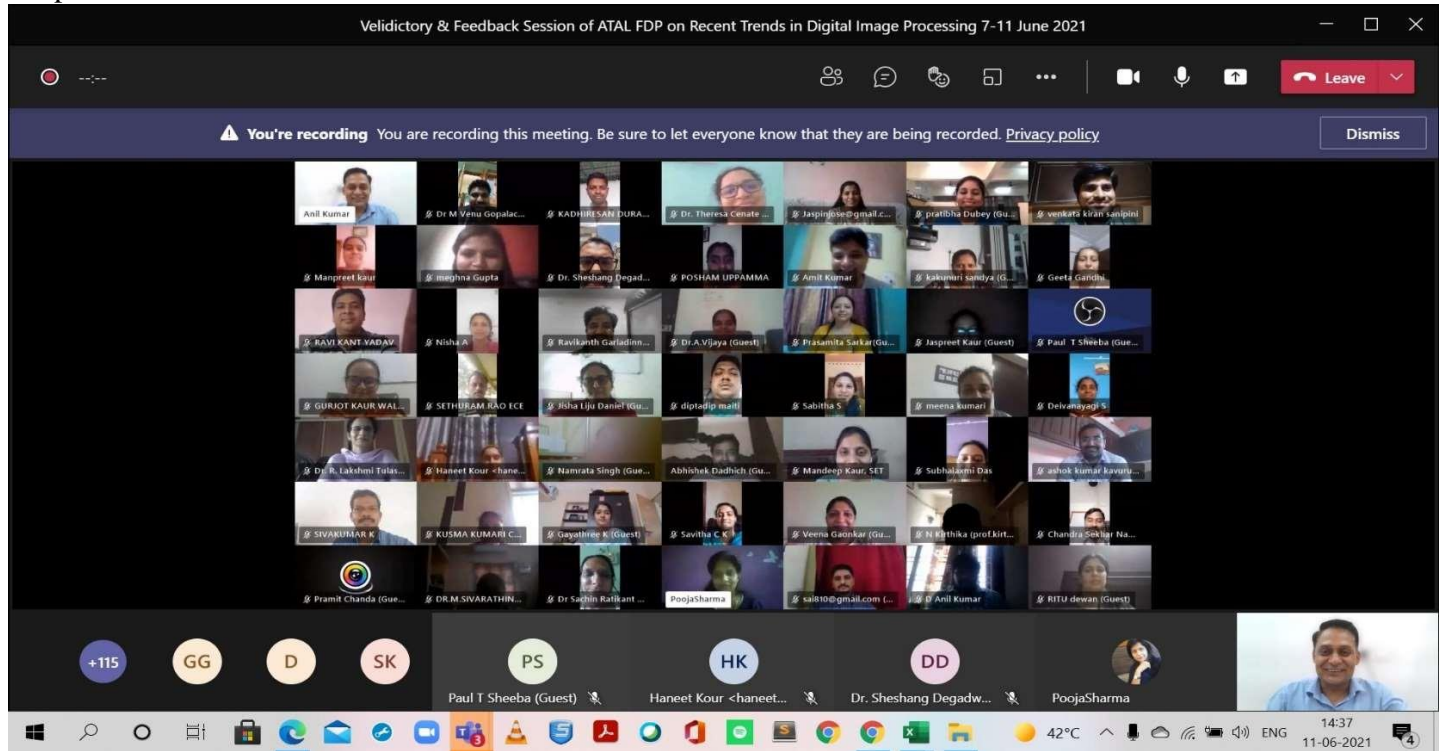
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Valedictory & Feedback

Day: Friday, 11/06/2021

Time: 2:00 PM to 4:00 PM

Snapshot :

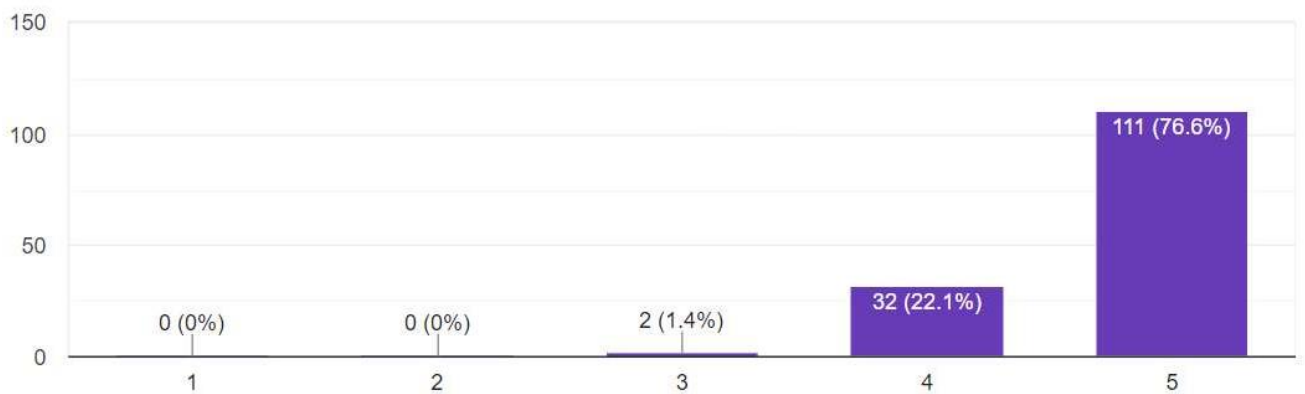


Feedback Continues:

ATAL FDP on Recent Trends In Digital Image Processing Feedback & Questions

The ATAL FDP broadened my understanding of concepts and principles in the field of Image Processing & Its Application

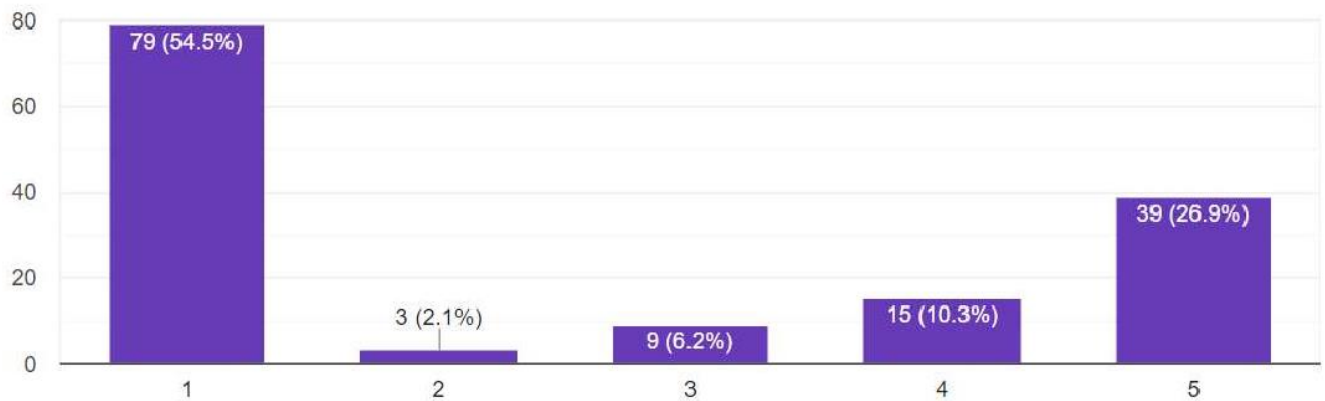
145 responses



The instructors' knowledge of the subjects was good.

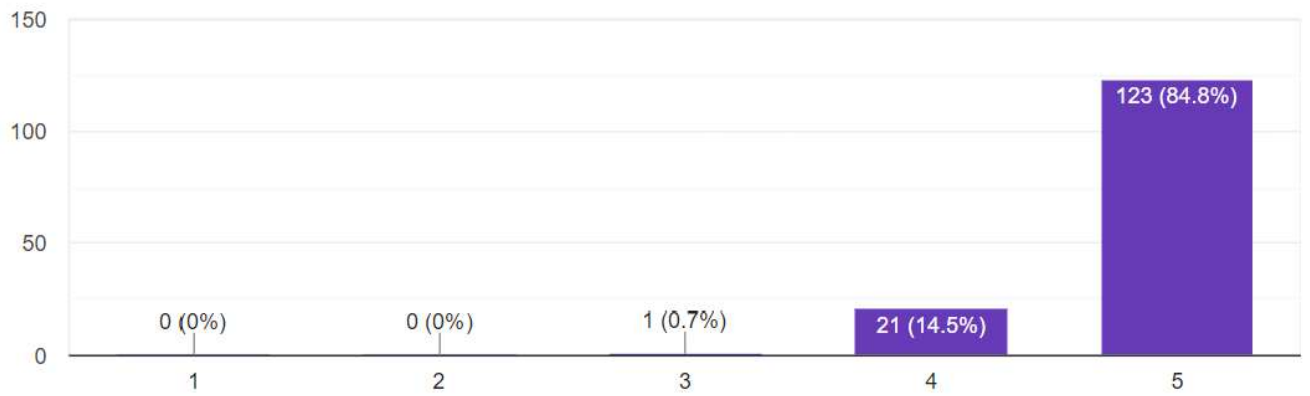


145 responses



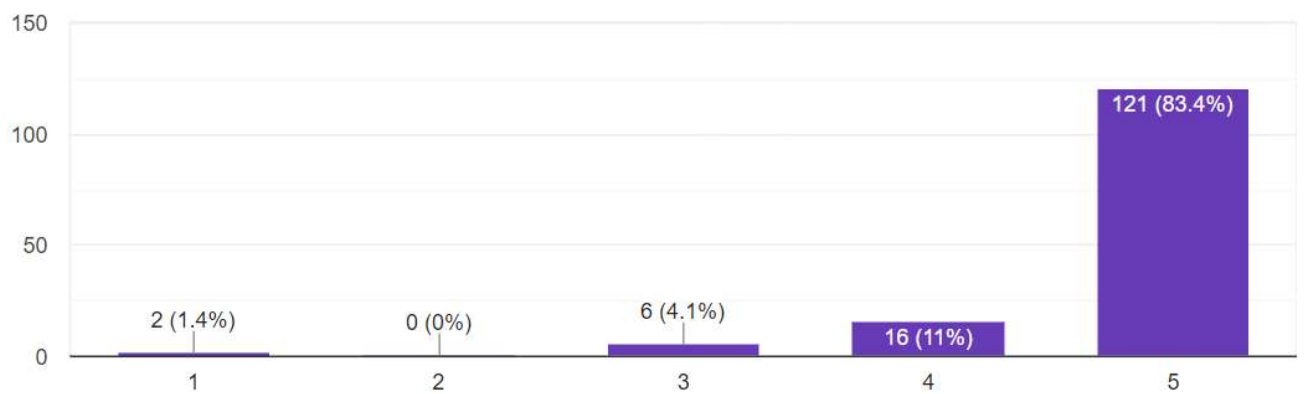
The instructors explained the material well.

145 responses



FDP handouts Were clear and well-organized.

145 responses



The balance between lectures and hands-on sessions was optimal.



145 responses



Certificate:

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AICTE Training And Learning (ATAL) Academy

Certificate

This is certified that **Abhishek Dadhich**, Assistant Professor of Poornima Institute of Engineering and Technology participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "**Recent Trends In Digital Image Processing**" from 2021-06-07 to 2021-06-11 at Poornima Institute Of Engineering & Technology.





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This is certified that **Sheshang Degadwala**, Associate Professor of Sigma Institute of Engineering participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "**Recent Trends In Digital Image Processing**" from 2021-06-07 to 2021-06-11 at Poornima Institute Of Engineering & Technology.



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