



Criterion 6- Governance, Leadership and Management

6.3 Faculty Empowerment Strategies

6.3.3 - Percentage of teaching and non-teaching staff participating in Faculty development Programmes (FDP), Management Development Programmes (MDPs) professional development /administrative training programs during the last five years

6.3.3.1 – Total number of of teaching and non-teaching staff participating in Faculty development Programmes (FDP), Management Development Programmes (MDPs) professional development /administrative training programs during the last five years

Sr No	DVV Findings	Institutes Claim	Link	Page No
1	DVV partner observation : Please provide annual report highlighting the programs undertaken by the teaching faculties and non-teaching staff	Annual report highlighting the programs undertaken by the teaching faculties and non-teaching staff are attached in the given link.		
		FDP on Deep Learning 9 Jan to 20 Jan 2023		1-2
		Five Days Aicte Training And Learning Online Faculty Development Programme On Internet Of Things With Industry Perspective		3-12
		Three Days State Level Faculty Development Program on Practical Approaches of Artificial Neural Network and Deep Learning.		13-22
		Faculty Orientation Programme on Processor Architecture and Programming Skill Development Lab		23-35
		Faculty Development Program on Evaluation of Deep Learning		36-52



Army Institute Of Technology (AIT), Dighi Camp, Pune - 15.

Director : 7249250115, Joint Director : 7249250117, Principal : 7249250186

Exch : 7249250183, 7249250184, 7249250185

Website : www.aitpune.com Email : ait@aitpune.edu.in

Recognised by AICTE and DTE Maharashtra and affiliated to Savitribai Phule Pune University

		Models on High Performance Computer		
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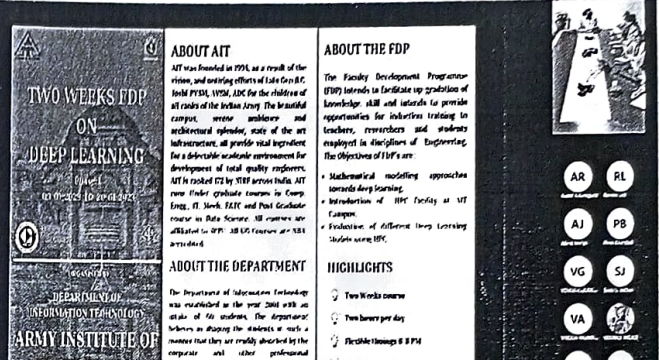
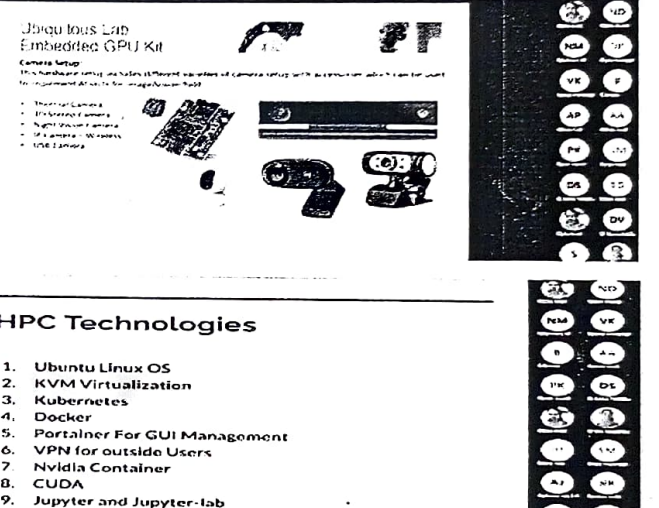



Principal
Army Institute of Technology
Dighi Hillis, Pune - 411015

Date :

Activity Report FDP on Deep Learning

Required Field	Information to be filled
Link for publicity on Social media * (Facebook//twitter/Instagram)	Publicity through mail.
Academic Year *	2022_23
Program driven by	Information Technology Department
Program/Activity/Name *	Faculty Development Program on "Deep Learning" in association with CSI & IEEE
Speakers/Resource Persons	Speaker 1: Dr. Deepak Garge Speaker 2: Mr. Rohan Datta Speaker 3: Mr. Jay Paranjape Speaker 4: Mr. Bhawin Speaker 5: Mr. Dwijay Bane Speaker 6: Ms. Smita Kulkarni Speaker 7: Ms. DhanashreePatil
Select one of the Program Type *(Workshop/Leadership Talk/Motivation Speech/Field Visit/Other)	FDP
Select one of the Program Theme *(IPR/Innovation/Entrepreneurship/Startup/Other)	Other
* Start Date	9 th Jan 2023
* End Date	20 th Jan 2023
Number of External Participants, If any	-
*Mode of Session delivery (offline/online)	Online
*Number of Student Participants	-
*Number of Faculty Participants	263 (Internal+ External)
Expenditure Amount, If any	
Remark	
*Benefit in terms of learning/Skill/Knowledge obtained (Up to 150 character)	Created awareness about Deep Learning among faculty members
*Objective (Up to 100 character)	<ul style="list-style-type: none"> • Mathematical modelling approaches towards deep learning. • Introduction of HPC facility at AIT Campus. • Evaluation of different Deep Learning Models using HPC.

*Faculty Name (Faculty involved in organizing event)	Dr. AshwiniSapkal Dr. Rahul Desai Prof. VaishaliIngle
*Student Name((student involved in organizing event)	
*Video URL	
*Photograph1 (JPEG Format max size 2 Mb which shows strength of audience with speaker)	
*Photograph2(JPEG Format max size 2 Mb which shows strength of audience with speaker)	 <p>HPC Technologies</p> <ol style="list-style-type: none"> 1. Ubuntu Linux OS 2. KVM Virtualization 3. Kubernetes 4. Docker 5. Portainer For GUI Management 6. VPN for outside Users 7. Nvidia Container 8. CUDA 9. Jupyter and Jupyter-lab
*Overall report of the activity(PDF Format only max size 2 Mb)	



S. Jadhav
(HOD, IT)

ATAL FDP on Internet of Things

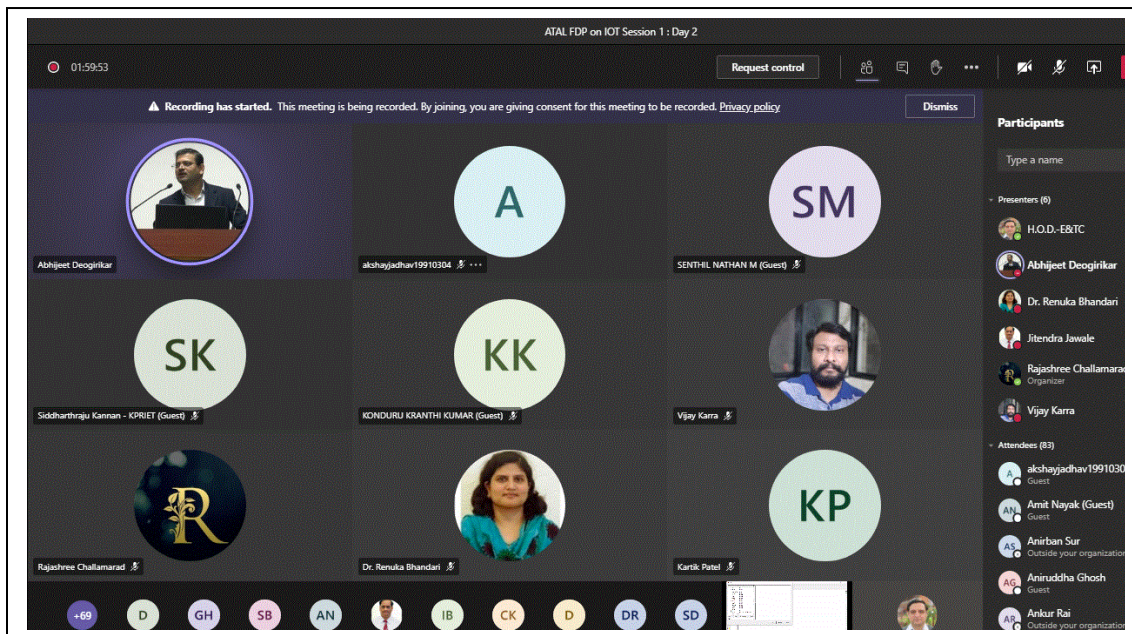
Activity Report Format

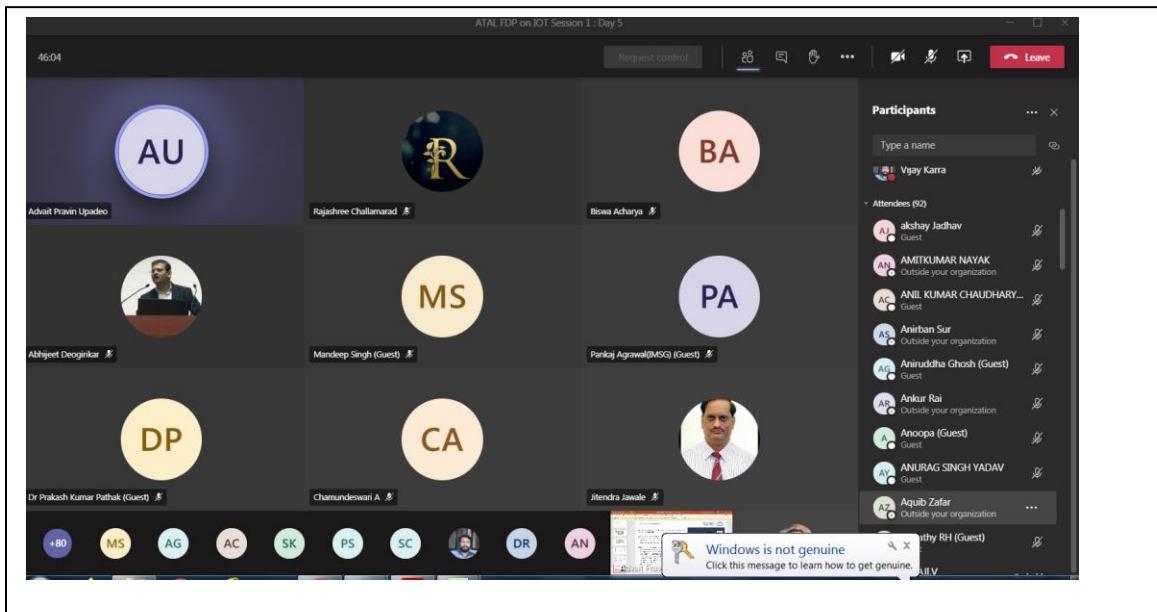
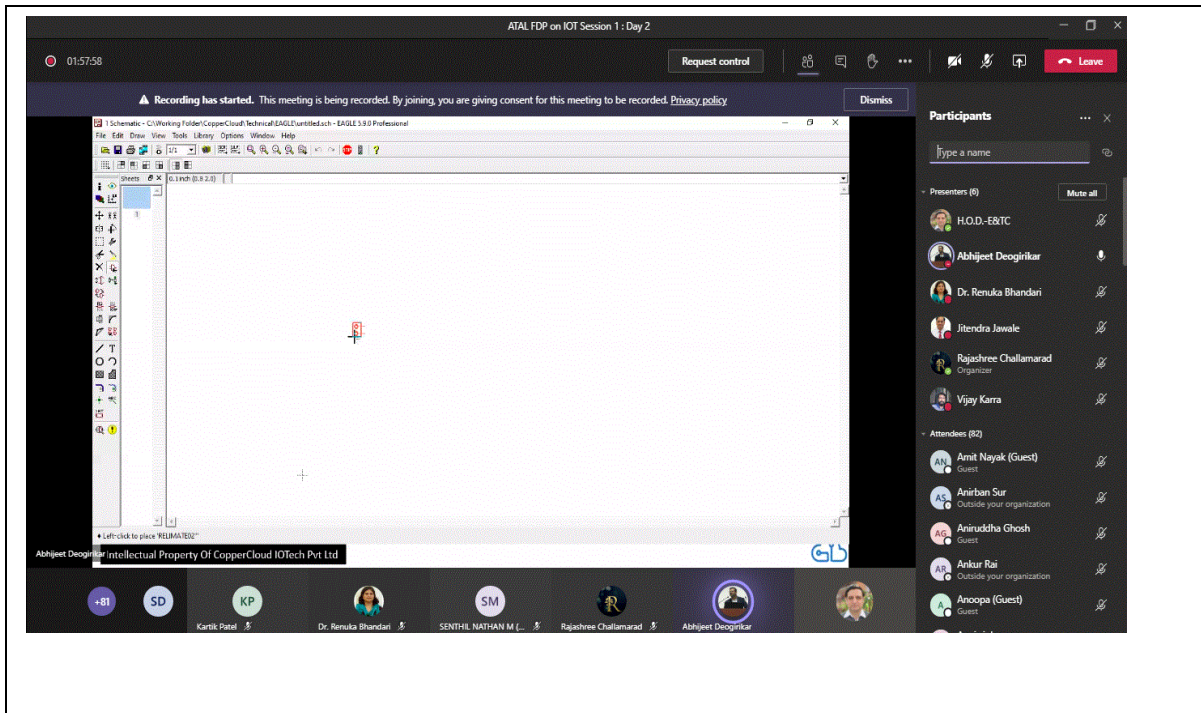
Required Field	Information to be filled
Link for publicity on Social media (Facebook//twitter/Instagram)	https://www.aicte-india.org/atal
Academic Year	2020-21
Name of coordinator	Dr G R Patil
Program/Activity/Name	ATAL FDP on Internet of Things
Select one of the Program Type (Workshop/FDP/Seminar/conference/Other)	FDP
Start Date	24/11/2020
End Date	28/11/2020
Mode of Session delivery (offline/online)	Online
Number of Student Participants	00
Number of Faculty Participants	160
Number of External Participants, If any	156
Expenditure Amount, If any	Rs. 93,000/-
Objectives of activity (min 2)	At the end of the FDP, the participants: i) Will be able to conceptualize, evaluate, design, build and deploy a small / medium scale IoT (or IIoT) solution ii) Will have a hands-on experience of the techniques and tools used to develop a professional solution iii) Will gain exposure to prevalent industry practices and tools, and will be able to converse in the language of the industry in a professional environment, which will also help their career prospects
Description of activity	The objective of ATAL Scheme of AICTE is to plan and help in imparting quality technical education in the country and to support technical institutions in fostering research, innovation and entrepreneurship through training in various emerging areas. Internet of Things is one of these emerging areas which needs due attention of academicians. Looking to the future, Cisco predicted there will be 50 billion by 2020. With this kind of

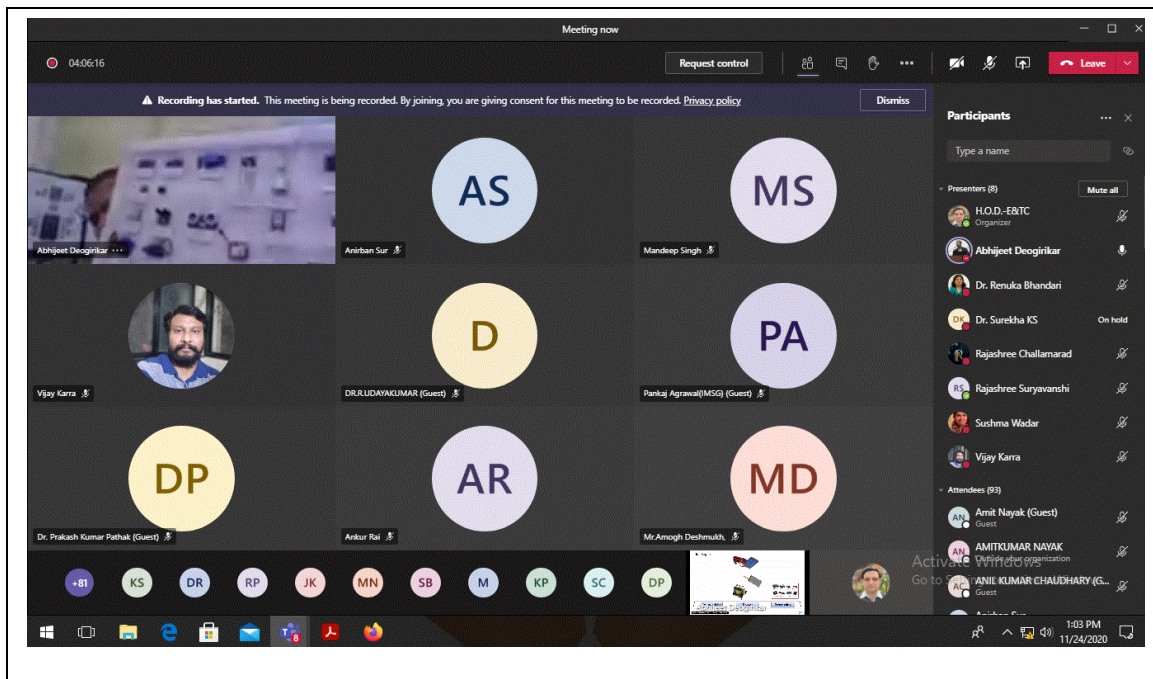
	<p>growth, there will be requirement of trained manpower. Hence we need to prepare our students for the same.</p> <p>This FDP program was aimed at providing a practical training on Internet of Things (IoT) technologies to Faculty of various colleges who would be teaching this subject. This FDP was aimed at providing a practical training on Internet of Things (IoT) technologies to Faculty of various colleges who would be teaching this subject. The scope covers principles, practices, techniques and tools required to design, build and deploy full-fledged IoT solutions. The FDP was designed to go beyond the specified academic curriculum to cover essential aspects of IoT technologies which will help the faculty to guide students to step into the industry.</p>
Faculty Name (Faculty involved in organizing event)	<p>Dr G R Patil Mr Abhijeet Deogirikar Mrs Rajashree C</p>
Student Name (student involved in organizing event)	Nil
Video URL (optional)	<p>https://youtu.be/KxAsbWGikYc</p> <p>https://youtu.be/PwDFH3mwq8U</p> <p>https://youtu.be/Wr5JWutLHI0</p> <p>https://youtu.be/i-pBNv0zbhM</p> <p>https://youtu.be/tRAW5dkKoXc</p> <p>https://youtu.be/PebiOBHsphE</p> <p>https://youtu.be/o7VrquoU7gk</p> <p>https://youtu.be/U2aQfCsf4I</p> <p>https://youtu.be/eahI5TTR-8Q</p> <p>https://youtu.be/MLEDzcyjNNo</p> <p>https://youtu.be/Z4e4kcnkSlw</p> <p>https://youtu.be/zZTk4bb9rhY</p> <p>Part A : https://youtu.be/z1ZSWn8c8uk, Part B : https://youtu.be/-isW7p9FNM4</p> <p>https://youtu.be/wNMOQ-ueFDY</p> <p>https://forms.office.com/Pages/ResponsePage.aspx?id=--QobXSQC0qluJqJ9jLMYBPBoQ0V_ZhHu1CsuXucpPhUMzIYQJJaQjUxNEM0VjFYTVBJV0tQWFNWUS4u</p> <p>https://forms.office.com/Pages/ResponsePage.aspx?id=--QobXSQC0qluJqJ9jLMYBPBoQ0V_ZhHu1CsuXucpPhUMTVFRIVBUIBGSUFaWVIVTFICSUNHU1haNi4u</p> <p>https://forms.office.com/Pages/ResponsePage.aspx?id=--QobXSQC0qluJqJ9jLMYBPBoQ0V_ZhHu1CsuXucpPhUOTI5Rkk0VEU2UDFZOEowR0NYUEhQRIRQUC4u</p> <p>https://forms.office.com/Pages/ResponsePage.aspx?id=--QobXSQC0qluJqJ9jLMYBPBoQ0V_ZhHu1CsuXucpPhUM0hYR0hXVzBZU1owTlpOSE5CNFJQM0FKSi4u</p> <p>https://forms.office.com/Pages/ResponsePage.aspx?id=--QobXSQC0qluJqJ9jLMYBPBoQ0V_ZhHu1CsuXucpPhURUNIOUw2SE</p>

	wxTIJIRE5TQ1ZENktHNVdFM4u
Photograph1 (JPEG Format max size 2 Mb which shows strength of audience with speaker)	Attached Below
Photograph2 (JPEG Format max size 2 Mb which shows strength of audience with speaker)	Attached Below
Session plan/Brochure/Document/over all report of the activity (JPEG or PDF Format max size 2 Mb)	Attached Below

. Photographs/Snaps of Online Sessions







FIVE DAYS AICTE TRAINING AND LEARNING ONLINE FACULTY DEVELOPMENT PROGRAMME
ON
INTERNET OF THINGS WITH INDUSTRY PERSPECTIVE
(From 24 Nov 2020 to 28 Nov 2020)

SPONSORED BY
Ministry of Education, Government of India
All India Council for Technical Education

UNDER
AICTE Training & Learning (ATAL) Academy

ORGANISED BY
Department of Electronics & Telecommunication Engineering
Army Institute of Technology, Pune

PATRON-in-CHIEF
Brig Abhay A Bhat
Director, AIT

PATRON
Dr. B. P. Paul,
Principal, AIT

COORDINATOR
Dr. Gajanan R. Patil, HOD E&TC

ORGANIZING COMMITTEE
Dr. (Mrs) K. S. Surekha
Dr. P. B. Khandekar
Mr. J. B. Jankhale
Mr. Vijay Kumar Karva
Mrs. Sneha Patil
Mr. Anand Patil
Dr. (Mrs.) Renuka Bhandari
Mrs. Ekvoti Bhandari
Mr. Girish Kapse
Mrs. Rajeshree Suryawanshi
Mrs. Shilpa Purohit
Mrs. Sushel Harsale
Mrs. Shashikesh Patil
Mrs. Pragati Rana
Dr. (Ms) Shradha Desai

IMPORTANT DATES:
Last date for Registration: 1.10.2020
Intimation of admission: 06.10.2020
Confirmation by Participants: 16.10.2020

REGISTRATION LINK
<http://www.aicte.edu/atal/>

ABOUT COLLEGE
Army Institute of Technology, Pune (AIT) is founded in 1994, as a result of vision and untiring efforts of Late Gen. B. C. Doshi, PVSM, AVSM, ADC, for the children of all ranks of the Indian Army. Functions under the aegis of the Army Welfare Education Society (AWES) and is affiliated to Savitribai Phule Pune University (SPU). AIT is ranked as No. 109 by NIRF in 2020 survey. AIT has been awarded the best professional college in 2016-17 by SPQI. AIT runs UG courses in Comp. IT, E&TC and Mech and PG course in Machine Design.

ABOUT DEPARTMENT
The Department of Electronic & Telecommunication Engineering was established in 1994. The department strives hard to provide a very good learning experience to its students. The department has developed state-of-art infrastructure, well equipped laboratories, departmental library, and classrooms with modern teaching aids. The Department has Quality Intake, Experienced & Dedicated Faculty and Staff, Excellent Academic Results & Placements. Vision of the department is to become Centre of Excellence in

state of art areas such as Embedded, Robotics & IoT.

ABOUT WORKSHOP
Introduction:
This program is aimed at providing a practical training on Internet of Things (IoT) technologies to Faculty of various colleges who would be teaching this subject. The scope covers principles, practices, techniques and tools required to design, build and deploy full-fledged IoT solutions. The course is designed to go beyond the specified academic curriculum to cover essential aspects of IoT technologies which will help the faculty to prepare their students to step into the industry.

Expected outcome:
At the end of the FDP, the participants will be able to:
i) Conceptualize, evaluate, design, build and deploy a small / medium scale IoT (or IIoT) solution
ii) Have a hands-on experience of the techniques and tools used to develop a professional solution
iii) Gain exposure to prevalent industry practices and tools, and will be able to converse in the language of the industry in a professional environment, which will also help their career prospects

Industry practices:
The training sessions are punctuated with numerous demos, hands-on practice and mini-projects that the students will do in the classroom itself.

Topics for special focus

- IoT-specific architecture - how to design scalable IoT solution
- Cloud services (through Amazon Web Services - AWS)
- IoT Middleware - MQTT & Node Red
- Designing databases for IoT
- Programme "basic" approach to build complex systems
- Applications of IoT

RESOURCE PERSONS
The sessions will be handled by experts from academia, research organizations and industry in the subject area.

ELIGIBILITY
Faculty and Research Scholars from AICTE Recognized Institutions are only eligible to apply.

GUIDELINES

- No registration fee will be collected.
- Faculty/Research Scholars from Universities/AICTE Recognized Institutions are only eligible.
- Sessions will be conducted online between 10 AM to 5:00 PM.
- Eligible participants will be selected based on first come first serve basis and will be intimated by e-mail only.
- Coordinator's decision will be final regarding the selection of participants.

FOR DETAILS CONTACT
Dr. Gajanan R. Patil,
The Co-ordinator,
ATAL Faculty Development Programme on Internet of Things with Industry Perspective,
Mail ID: hodeg@aitpune.edu.in
Contact No: 9422510862, 9850720617

REPROT ON
FIVE DAYS AICTE TRAINING AND LEARNING
ONLINE FACULTY DEVELOPMENT
PROGRAMME
ON
INTERNET OF THINGS WITH INDUSTRY
PERSPECTIVE

(From 24 NOV 2020 to 28 NOV 2020)

SPONSORED BY
AICTE, NEW DELHI
UNDER
AICTE Training & Learning (ATAL) Academy

ORGANIZED BY
Department of Electronics & Telecommunication
Engineering
Army Institute of Technology Pune

Application No.: 1582515321

Workshop ID: 149

COORDINATOR
Dr Gajanan Rangarao Patil,
Professor & Head
Dept of Electronics & Telecommunication Engineering,
AIT Pune

1. Preamble

The objective of ATAL Scheme of AICTE is to plan and help in imparting quality technical education in the country and to support technical institutions in fostering research, innovation and entrepreneurship through training in various emerging areas.

Internet of Things is one of these emerging areas which needs due attention of academicians. Looking to the future, Cisco predicted there will be 50 billion by 2020. With this kind of growth, there will be requirement of trained manpower. Hence we need to prepare our students for the same.

This FDP program was aimed at providing a practical training on Internet of Things (IoT) technologies to Faculty of various colleges who would be teaching this subject. This FDP was aimed at providing a practical training on Internet of Things (IoT) technologies to Faculty of various colleges who would be teaching this subject. The scope covers principles, practices, techniques and tools required to design, build and deploy full-fledged IoT solutions. The FDP was designed to go beyond the specified academic curriculum to cover essential aspects of IoT technologies which will help the faculty to guide students to step into the industry.

2. Expected Outcome of FDP

At the end of the FDP, the participants:

- i) Will be able to conceptualize, evaluate, design, build and deploy a small / medium scale IoT (or IIoT) solution
- ii) Will have a hands-on experience of the techniques and tools used to develop a professional solution
- iii) Will gain exposure to prevalent industry practices and tools, and will be able to converse in the language of the industry in a professional environment, which will also help their career prospects

3. Training Schedule

Following was training Schedule for the FDP

S#	Time	Topic	Speaker
Day1 : Tuesday, 24 Nov. 2020			
1	10.00 am - 11:30 am	Inauguration & Keynote Address: Topic 'Principles, Practices & Practical Applications of IoT Solutions'.	Brig. Abhay A Bhat Director AIT Pune Dr B P Patil Principal, AIT Pune Dr G R Patil Coordinator Mr. Atul Bengiri Director Acumen Today Mr. Abhijeet Deogirikar Founder & CEO CopperCloud IoTech Pune
2	11.45 am - 01:15 pm	Introduction & Technical Overview of IoT	Mr. Abhijeet Deogirikar Founder & CEO CopperCloud IoTech Pune

S#	Time	Topic	Speaker
Day1 : Tuesday, 24 Nov. 2020			
3	02.15 pm - 03:45 pm	Introduction - Embedded Programming for IoT	Abhijeet Deogirikar Founder & CEO CopperCloud IoTech Pune
Day2 : Wednesday, 25 Nov. 2020			
4	10.00 am - 11:30 am	IoT Device - Design & Production	Mr. Yogesh Yewale Lead Engineer CopperCloud IoTech Pune
5	11.45 am - 01:15 pm	Communication Architecture of IoT Solutions	Mr. Abhijeet Deogirikar Founder & CEO CopperCloud IoTech Pune
6	02.15 pm - 03:45 pm	Protocols (MQTT) & Industry Tools used for IoT Communication	Mr. Abhijeet Deogirikar Founder & CEO CopperCloud IoTech Pune
Day3 : Thursday, 26 Nov. 2020			
7	10.00 am - 11:30 am	IIoT Middleware - Industry Tools	Mr. Abhijeet Deogirikar Founder & CEO CopperCloud IoTech Pune
8	11.45 am - 01:15 pm	Databases & Data Science - Introduction	Mrs. Poorva Wandalkar
9	02.15 pm - 03:45 pm	Visualizing IoT Data using Industry Tools - Grafana	Mrs. Poorva Wandalkar
Day4 : Friday, 27 Nov. 2020			
10	10.00 am - 11:30 am	Agile Methodology	Mr. Madhusudan Mishra Data Architect HSBC, Pune
11	11.45 am - 01:15 pm	IoT from Consumers' Perspective - Use Cases & Pricing Models	Mr. Abhijeet Deogirikar Founder & CEO CopperCloud IoTech Pune
12	02.15 pm - 03:45 pm	How to be a catalyst in Driving Your Organization towards Industry 4.0	Mr. Abhijeet Deogirikar Founder & CEO CopperCloud IoTech Pune
Day5 : Saturday, 28 Nov. 2020			
13	10.00 am - 11:30 am	IoT Applications & Cloud Computing	Mr. Advait Upadeo TCS
14	11.45 am - 01:15 pm	Big Picture - 7 Emerging technologies changing the world	Mr. Abhijeet Deogirikar Founder & CEO CopperCloud IoTech

S#	Time	Topic	Speaker
Day1 : Tuesday, 24 Nov. 2020			
			Pune
15	01.15 pm - 02.15 pm	Closing Remarks	Dr. GR Patil

The sessions were conducted in online mode using Microsoft Team platform. All the 15 sessions were conducted as per the schedule.

4. Participation Details

Total 274 Participants had applied for the FDP, Out of which 160 participants attended the FDP. The response of the participants was very good. All the sessions were interactive and fruitful. Both participants and speakers enjoyed the sessions. Mock MCQ tests were conducted at the end of each day. Feedback of participants was also collected at the end of each day. The feedback was very encouraging. On day 5 participants were asked to give online feedback on the ATAL website. The MCQ based test on final day was conducted and the test marks are uploaded on ATAL website along with attendance of participants. Out of 160 participants 141 participants passed the test with more than 60% marks.

All the sessions were recorded and uploaded on YouTube. The links of all the recorded sessions is submitted to the ATAL office.

5. Grant utilization Details

An amount of Rs. 93,000.00 is received as grant from AICTE to conduct the FDP. The details of expenditure is as below:

S#	Name of Person/ Vendor	Amount (Rs)	Remark
1	Brig. Abhay A Bhat	10,000.00	Para 1(b) S#1 of Sanction letter ATAL
2	Dr G R Patil	10,000.00	Para 1(b) S#2 of Sanction letter ATAL
3	Mr. Abhijeet Deogirikar	24,000.00	(8 sessions X Rs. 3000) Para 1(b) S#3 of Sanction letter ATAL
4	Mrs. Poorva Wandalkar	6,000.00	(2 sessions X Rs. 3000) Para 1(b) S#3 of Sanction letter ATAL
5	Mr. Yogesh Arun Yewale	3,000.00	(1 sessions X Rs. 3000) Para 1(b) S#3 of Sanction letter ATAL
6	Madhusudan Mishra	3,000.00	(1 sessions X Rs. 3000) Para 1(b) S#3 of Sanction letter ATAL
7	Mr. Atul Bengeri	3,000.00	(1 sessions X Rs. 3000) Para 1(b) S#3 of Sanction letter ATAL
8	Mr. Advait Pravin Upadeo	3,000.00	(1 sessions X Rs. 3000) Para 1(b) S#3 of Sanction letter ATAL
9	Mrs Rajashree C	1,000.00	Para 1(b) S#4 of Sanction letter ATAL
10	Institutional Charges	15,000.00	Para 1(b) S#5 of Sanction letter ATAL
12	Copper Cloud IoTech	9,300.00	Consumables for Hands on Invoice No.: INV2020/0030 Para 1(b) S#6 of Sanction letter ATAL
13	Future Communications	5546.00	Camera & Headphone Tax Invoice No:FC/20-21/081

S#	Name of Person/ Vendor	Amount (Rs)	Remark
			Para 1(b) S#6 of Sanction letter ATAL
14	Stationary & Xerox	155.00	Para 1(b) S#6 of Sanction letter ATAL
	Total	93,000.00	

Dr. G R Patil
Coordinator

REGISTRATION DETAILS

Academician & Research Scholar - Rs. 1000 /-
Participants from Industry - Rs. 1500 /-

Registration link : <http://tinyurl.com/aitfdp2019>

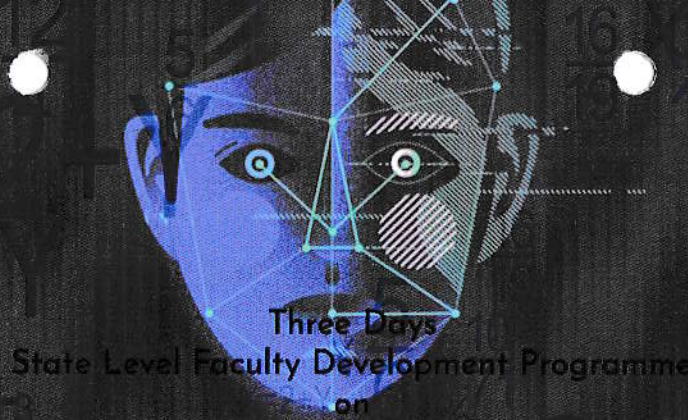
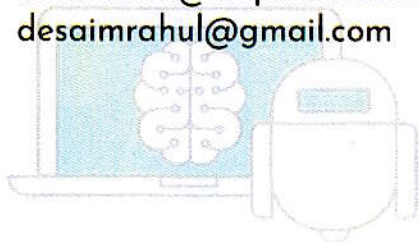
Last Date of Registration : 1st December 2019

ACCOMODATION

Accommodation will be provided for limited number of outstation participants with reasonable charges.

CONTACT DETAILS

Dr. Rahul Desai,
Information Technology
Mobile No. - 9403357088, 9284234918
Email - rahuldesai@aitpune.edu.in
desaimrahul@gmail.com



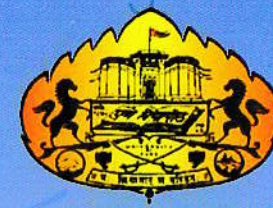
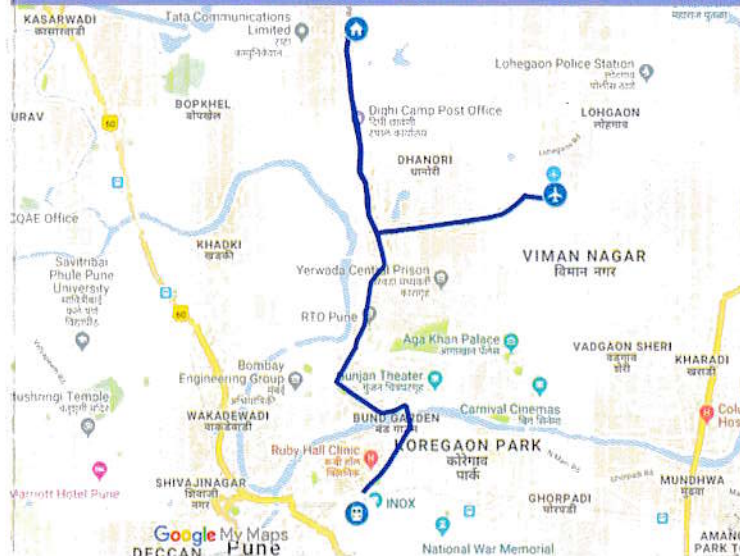
Three Days
State Level Faculty Development Programme
on

Mathematical Modelling
Approach towards
Data Science

In Association with



How to Reach?



Sponsored

Three Days
State Level Faculty Development Programme
on

Mathematical Modelling
Approach towards
Data Science

Under QIP of
Savitribai Phule Pune University

11th-13th December 2019



Organized by

ARMY INSTITUTE OF TECHNOLOGY
25 YEARS OF EXCELLENCE



Department of
Information Technology
Army Institute of Technology
Dighi Hills, Pune - 411015
(NAAC 'A' Grade & NBA Accredited)

THE PROGRAMME

In this FDP, Data science opportunities & techniques will be discussed along with mathematical approach. Data science actually uses mathematical model to model the business circumstance, environment etc. Therefore a solid understanding of Mathematical machinery behind cool algorithm will give you an edge among your peers.

ABOUT AWES

Army Welfare Education Society is an Indian Army governed organisation which manages and ensures good quality and affordable education facilities to Indian Army wards. Established in 1983, AWES has grown and now running over 128 Army Public Schools and 239 Army Pre-primary schools and 11 Institutions of higher education across India.

ABOUT AIT

AIT was founded in 1994, as a result of the vision, and untiring efforts of Late Gen B.C. Joshi PVSM, AVSM, ADC for the children of all ranks of the Indian Army. AIT has completed 25 years of excellence and is celebrating this year as its Silver Jubilee year. The beautiful campus, serene ambience and architectural splendor, state of the art infrastructure, all provide vital ingredient for delectable academic environment for development of total quality engineers. AIT is ranked at No. 91 by NIRF in 2019 survey. AIT has won the best college award in technical category for year 2016-17 by SPPU. AIT runs UG courses in Comp. Engg.IT, Mech, E&TC and PG course in Machine Design, All courses are affiliated to SPPU.

ABOUT DEPARTMENT

The Department of Information Technology was established in the year 2001 with an intake of 60 students. The vision of department is to become a center of excellence and to produce high quality, creative and ethical engineers and technologists, contributing effectively to modern information society. The department is pioneer in establishing CSI and NPTEL students chapter as well as IEEE student branch.

WHO CAN ATTEND

Research scholars, industry personnel and faculty members from various Engineering Colleges from all departments are eligible to attend the programme.

SESSIONS

- 1.Data Science and its opportunities
- 2.Basics of Machine Learning.
- 3.Hand on session using python.
- 4.Neural Networks & Deep Learning Frameworks.
- 5.Application of Deep Neural Network in NLP.
- 6.Concept and application of CNN.
- 7.Recurrent Neural Networks (RNNs), LSTMs and Language models.
- 8.Case Studies
- 9.Unboxing the Black box Rise of Explainable AI.

RESOURCE PERSONS

- 1.Dr. Bhushan Garware,
Data Scientist, Persistent Systems Ltd.
- 2.Mr. Sagar Sabale,
Data Scientist, Fractal Analytics

CHIEF PATRON

Brig Abhay A Bhat (Retd), Director, AIT

PATRON

Dr. B P Patil, Principal, AIT

CONVENER

Dr. Sangeeta Jadhav, HOD(IT)

COORDINATORS

Prof. Rupali Amit Bagate
Prof. Aparna Shashikant Joshi

EXECUTIVE COMMITTEE MEMBERS

Dr. Ashwini Sapkal
Prof. Geeta Patil
Prof. Vaishali Ingale
Prof. Gajanan M Walunjkar
Prof. Yuvraj Gholap
Prof. Nilima Walde
Prof. Sandeep Samleti

Three Days State Level Faculty Development Program on “Mathematical Modeling Approach towards Data Science”

14th Dec 2019

Information Technology department of Army Institute of Technology is organizing the Three Days State level Faculty Development Program on “Mathematical Modeling Approach towards Data Science” at its campus in Pune from 11th Dec 2019 -13th Dec 2019 under Quality Improvement Program of SPPU.

In this FDP, Data science opportunities and Techniques will be discussed along with mathematical approach. Data science usually mathematical model to model business circumstance, environment etc. Research Scholars, Industry personnel and Faculty members from various engineering colleges from all departments are invited to attend.

The resource persons for the various sessions were as follows:

- 1) Mr. Rakesh Nakod
- 2) Mr. Dwijay Bane
- 3) Dr. Swati Shinde

The various Sessions conducted in FDP are as follows:

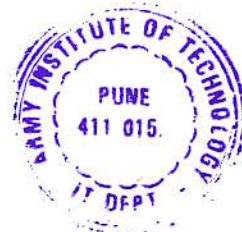
- 1) Data Science and its opportunities
- 2) Basics of Machine learning
- 3) Hand on session using python
- 4) Neural networks & deep learning frameworks
- 5) Application of deep neural network in NLP
- 6) Concepts and application of CNN
- 7) Recurrent neural networks (RNNS), LSTMs and language models
- 8) Case studies
- 9) Unboxing the black box rise of explainable AI

Army Institute of Technology
Participants' Attendance List (Within Maharashtra)

Sr. No.	Name of the Participant	Address (College & University Name)	Contact No. / Mobile No. & E-mail	Signature	
				1 st Day	2 nd Day
1	Smita Kulkarni	MAE Pune	9423582133 sskulkarni@entc.maepune.ac.in	<i>Smita</i>	<i>Smita</i>
2	Dipti Pandit	VIIT Pune	9850586097 dppandit@gmail.com	<i>Dipti Pandit</i>	<i>Dipti Pandit</i>
3	Prerna Rawat	Genba Sopanrao Moze COE	7447480828 omperna28@gmail.com	<i>Prerna Rawat</i>	<i>Prerna Rawat</i>
4	Dhanshree Kulkarni	DIT	9860196499 Dhanshreek2016@gmail.com	<i>Dhanshree</i>	<i>Dhanshree</i>
5	Savita S Jadhav	Dr. D Y Patil Pimpri Pune	9860450966 Savitasjadhav28@gmail.com	<i>S.J.</i>	<i>S.J.</i>
6	Dhanshree Patil	AIT Pune	9403565462 dhanshreepatil@aitpune.edu.in	<i>Dpatil</i>	<i>Dpatil</i>
7	Asha Sathe	AIT Pune	7888034146 apsathe@yahoo.com	<i>Asathe</i>	<i>Asathe</i>
8	Dr. Rahul Desai	AIT Pune	9884234918 desaimrahul@gmail.com	<i>RDesai</i>	<i>RDesai</i>
9	Dr. Sangeeta Jadhav	AIT Pune	9923911211 hodit@aitpune.edu.in	<i>Ssadhya</i>	<i>Ssadhya</i>
10	Dr. Ashwini Sapkal	AIT Pune	7021077014 asapkal@aitpune.edu.in	<i>Ashwini</i>	<i>Ashwini</i>
11	Vaishali Ingale	AIT Pune	9371165218 vingale@aitpune.edu.in	<i>V.ingale</i>	<i>V.ingale</i>
12	Yuvraj Gholap	AIT Pune	9404751535 ygholap@aitpune.edu.in	<i>Y.gholap</i>	<i>Y.gholap</i>

S. Jadhav
Dr. Sangeeta Jadhav
Name & Sign. of Co-ordinator

HOD
Department of Information Technology
Army Institute of Technology
Dighi Hills, Pune - 411015.



Name, Signature & Seal of Principal/Director

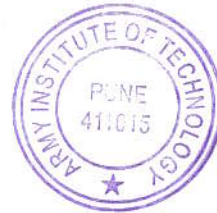
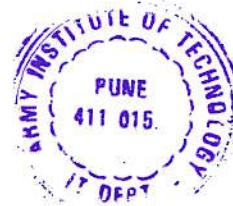
[Signature]
Principal
Army Institute of Technology
Dighi Hills, Pune - 411015

Army Institute of Technology
Participants' Attendance List (Within Maharashtra)

Sr. No.	Name of the Participant	Address (College & University Name)	Contact No. / Mobile No. & E-mail	Signature	
				1 st Day	2 nd Day
13	Kopal Gangrade	Genba Sopanrao Moze COE	8269947432 Kopal.gangrade@yahoo.com	<i>Gangrade</i>	<i>Gangrade</i>
14	Nilakshi Rajule	Dr. D Y institute of technology	8390413138 Nilakshi.bagdure@gmail.com	<i>NRajule</i>	<i>NRajule</i>
15	A K Singh	AIT Pune	8805157906 aksingh@aitpune.edu.in	<i>A.K. Singh</i>	<i>A.K. Singh</i>
16	Pragati Rana	AIT Pune	8878636261 pragatirana@aitpune.edu.in	<i>Rana</i>	<i>Rana</i>
17	B B Deshmukh	AIT Pune	9850205734 Baliramdeshmukh87@gmail.com	<i>BDesm</i>	<i>BDesm</i>
18	Pranita Bhosale	DYP COE Pimpri	9960599324 Pranita.bhosale29@gmail.com	<i>Bhosale</i>	<i>Bhosale</i>

S. Jadhav
Dr. Sangeta Jadhav
Name & Sign. of Co-ordinator

HOD
Department of Information Technology
Army Institute of Technology
Dighi Hills, Pune - 411015.



Name, Signature & Seal of Principal/Director

Principal *[Signature]*
Army Institute of Technology
Dighi Hillis, Pune - 411015

Army Institute of Technology

Participants' Attendance List (Outside Maharashtra / International)

Sr. No.	Name of the Participant	Address (College & University Name)	Contact No. / Mobile No. & E-mail	Signature	
				1 st Day	2 nd Day
1	Mr. Jigar Trivedi	CME, Pune	9954389100 jigar38@gmail.com	<i>J Trivedi</i>	<i>J Trivedi</i>
2	Mr. N. V. Vigil	CME, Pune	7907256400 vigilnaie@gmail.com	<i>NV</i>	<i>NV</i>
3	Capt. Rajprasad	CME, Pune	9600032011 rajprasads@gmail.com	<i>Rajprasad</i>	<i>Rajprasad</i>
4	Col. Joshil Raj	CME, Pune	7578001351 joshilion@gmail.com	<i>Raj</i>	<i>Raj</i>
5	Mr. G. M. Walunjkar	Veltech Chennai	9822148115 gmgaju@yahoo.co.in	<i>G M</i>	<i>G M</i>
6	Mr. M. B. Lonare	Veltech Chennai	8411971197 mblonare@gmail.com	<i>M B</i>	<i>M B</i>
7	Ms. Rupali Amit Bagate	Veltech Chennai	9552936611 Rupali.bagate@gmail.com	<i>Rupali</i>	<i>Rupali</i>
8	Ms. Aparna Shashikant Joshi	Veltech Chennai	9763853569 Aparna.joshi82@gmail.com	<i>Aparna</i>	<i>Aparna</i>
9	Mr. Sandeep Samleti	Veltech Chennai	8007000879 sandeepsamleti@gmail.com	<i>Sandeep</i>	<i>Sandeep</i>
10	Ms. Yogita Hambir	VIT University	8411971193 Yogita.bhavsar@gmail.com	<i>Yogita</i>	<i>Yogita</i>

S. Jadhav
Dr. Sangeeta Jadhav.
Name & Sign. of Co-ordinator

HOD
Department of Information Technology
Army Institute of Technology
Dighi Hills, Pune - 411015.



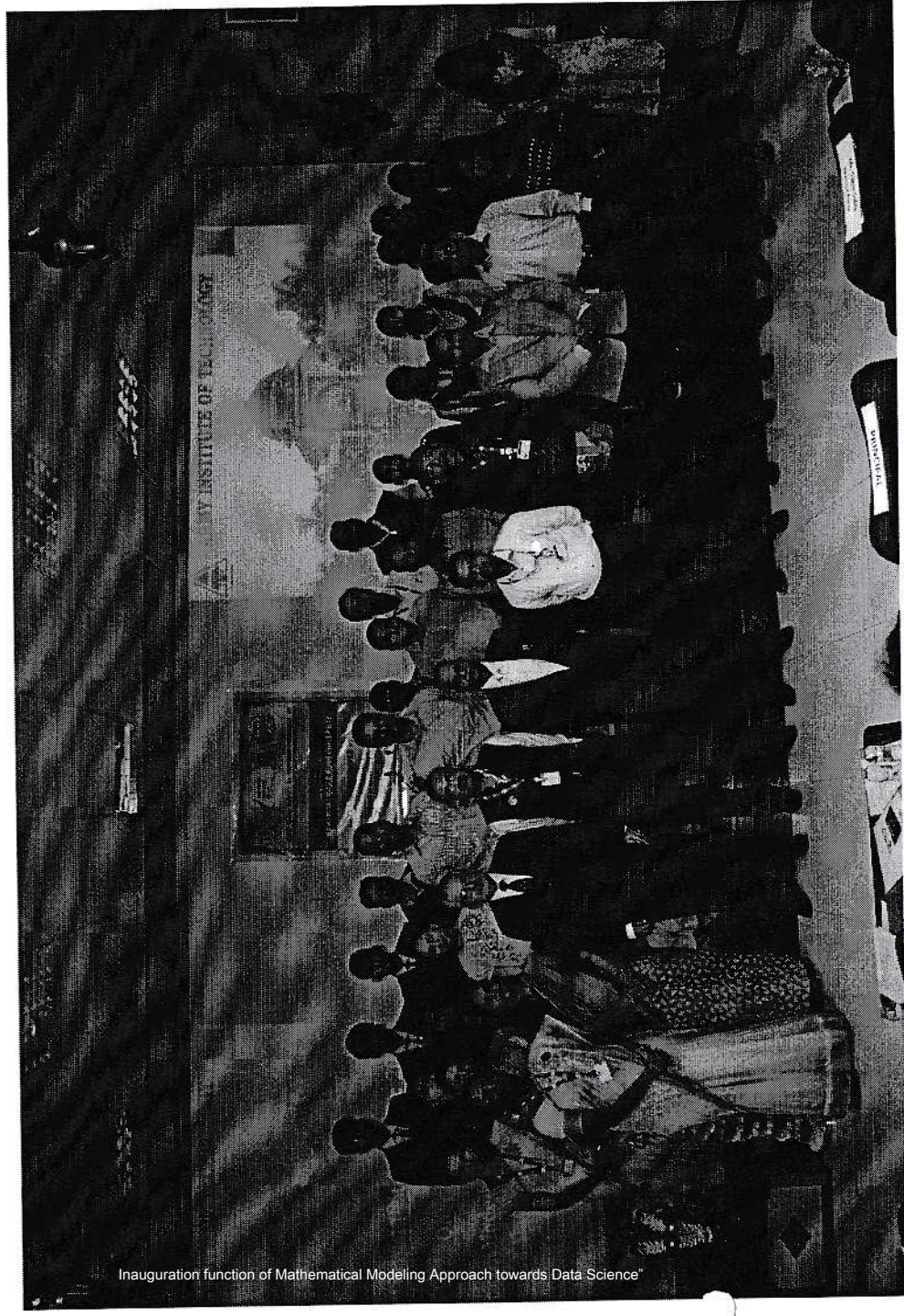
Name, Signature & Seal of Principal/Director

[Signature]
Principal
Army Institute of Technology
Dighi Hillis, Pune - 411015

Principal
Army Institute of Technology
Dighi Hills, Pune - 411 015

STATE SOCIETY DEVELOPMENT PROGRAMME ON
"MATHEMATICAL MODELING APPROACH TOWARDS DATA SCIENCE"
UNDER THE
IMPROVEMENT PROGRAMME
SAVITRI PHULE PUNJIV

Validatory Function of 3 days STTP on Mathematical Modeling Approach towards Data Science



Inauguration function of Mathematical Modeling Approach towards Data Science*

MINUTE SHEET
Department of Information Technology

Case No. AIT/2019-20/ IT/1353/Purchase

Sheet No: 1

1. Department of Information Technology has organized 3 days Faculty Development program on "Mathematical Modelling Approach towards Data Science" from 11th December 2019 to 13th December 2019.
2. Previously sanction Proposed Expenditure sheet is attached in Flag 'A'
- 3 The Resource person's final remuneration charges are attached in Flag 'B'
4. It is requested to issue NEFT of the following amount
 - 1) Rs 30,000/- in favor of Dr. Bhushan Garware
 - 2) Rs 17,962/- in favor of Mr. Sagar Sable
5. Please find NEFT Details of Dr. Bhushan Garware and Mr. Sagar Sable in Flag 'C'
6. It is requested to released the above said total amount of Rs. 47.962 / - from Sr.No b of R&D budget of IT, year 2019-20, attached in Flag 'D'
7. Put up for your perusal and approval please.

Boys
Ass
Prof. Rupali Bagate
Prof. Aparna Joshi
FDP Coordinator

Soladkar
17/12/19.
Dr. Sangeeta Jadhav
HOD-IT

22
The Principal: *17/12/19*

Jt Director:

Director: *[Signature]*

[Signature]
20/12/19.

Dissem plan of engaging Bhushan Garware for student workshops + comp hr adv.

[Signature]
20/12/19

Principal Office	
S No.	693
Dt	17/12
Sign	<i>[Signature]</i>

PRINCIPAL OFFICE	
9187	
Dt.	17/12
Sign	DH

Accounts

2. It is requested to issue 1 big and 4 small crystal AIT mementos and 5 AIT frame (25th Years) for the dignitaries, present in the inauguration ceremony.
3. Approximately six participant might need accommodation, hence two guest houses in AIT are required from 11th to 13th December 2019, so kindly issue them for the said period.
4. It is requested to issue cheque of amount of Rs. 20000/- in ^{favour} favor of Mrs. Aparna Joshi, which is required for the preparation of the inauguration ceremony and FDP Banner printing from R&D budget of IT department Yr. 2019-20 (Ref. flag 'A'). The proposed expenditure of the FDP is attached (Ref. flag 'B').
5. It is requested to allocate two peons for the arrangement of the FDP, So kindly allocate them for the FDP work.
6. It is also requested to provide the generator backup from 11th to 13th December 2019 to conduct this event successfully.
7. Put up for your perusal and approval please.

[Signature]
 Mrs. Aparna Joshi
 FDP Coordinator

'R'
[Signature]
 20/11/19
 Dr. Sangeeta Jadhav
 HOD - IT

[Signature]
 20/11/19
 The Principal:

'R'
[Signature]
 21/11/19
 Jt Director:

[Signature]
 21/11/19
 Director:

[Signature]
 21/11/19

PLS issue available
 is checked & available
 1. Mementos. Check available
 & spk on 22/11/19
 E.O. *[Signature]*
 2. Accom. Two guest
 House/Rooms allotted.
 P.D. draft letter of
 allotment.
 Ms Siby informed
 3. 2x Peons. Debar
 OS
 4. Gen Back Up.
 Ensure
 Mr. Mahapatra

MAIN OFFICE	
SR No	903
Dt	20/11/19
Sign	DN

Princ Offi
S No.
Dt
Sign

REGISTRATION DETAILS

Academician & Research Scholar - Rs. 1000 /-
Participants from Industry - Rs. 1500 /-

Registration Link - goo.gl/CvLkma

Last date of registration - 30th November 2018



Sponsored

Three Days
State Level Faculty Development Programme on

PRACTICAL APPROACHES OF ARTIFICIAL NEURAL NETWORK AND DEEP LEARNING

PRACTICAL APPROACHES OF ARTIFICIAL NEURAL NETWORK AND DEEP LEARNING

ACCOMODATION

Accommodation will be provided for limited number of outstation participants with reasonable charges.

CONTACT DETAILS

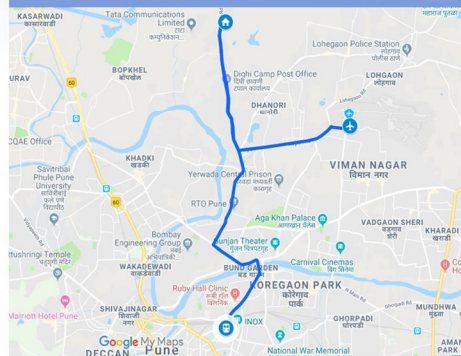
Dr. Rahul Desai,
Information Technology
Mobile No. - 9403357088, 9284234918
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desaimrahul@gmail.com



In Association with



How to Reach?



Organized by



Department of
Information Technology
Army Institute of Technology
Dighi Hills, Pune - 411015
(NAAC 'A' Grade & NBA Accredited)

THE PROGRAMME

Department of Information Technology of AIT is organizing three days Faculty Development program on "Practical Approaches of Artificial Neural Network and Deep Learning" from 17th December 2018 to 19th December 2018. In this FDP, the most effective deep learning techniques will be discussed. The participants will gain the "know-how" needed to apply these well-known techniques to new problems. The various sessions will provide a broad introduction to artificial neural network and deep learning. Application of various learning algorithms will be discussed through case studies and problem solving methods.

ABOUT AWES

Army Welfare Education Society is an Indian Army governed organisation which manages and ensures good quality and affordable education facilities to Indian Army wards. Established in 1983, AWES has grown and now running over 128 Army Public Schools and 239 Army Pre-primary schools and 11 Institutions of higher education across India.

ABOUT AIT

AIT was founded in 1994, as a result of the vision, and untiring efforts of Late Gen B.C. Joshi PVSM, AVSM, ADC for the children of all ranks of the Indian Army. AIT has completed 25 years of excellence and is celebrating this year as it's Silver Jubilee year. The beautiful campus, serene ambience and architectural splendor, state of the art infrastructure, all provide vital ingredient for a delectable academic environment for development of total quality engineers. AIT is ranked at No. 88 by NIRF in 2018 survey. AIT has won the best college award in technical category for year 2016-17 by SPPU. AIT runs UG courses in Comp. Engg., IT, Mech., E&TC and PG course in Machine Design. All courses are affiliated to SPPU.

ABOUT DEPARTMENT

The Department of Information Technology was established in the year 2001 with an intake of 60 students. The vision of department is to become a center of excellence and to produce high quality, creative and ethical engineers and technologists, contributing effectively to modern information society. The department is pioneer in establishing CSI and NPTEL students chapter as well as IEEE student branch.

WHO CAN ATTEND

Research scholars, industry personnel and faculty members from various Engineering Colleges from all departments are eligible to attend the programme.

SESSIONS

- 1) Quick Introduction to Python, Git and Github, Linux tools like tmux, Cloud setup (if required) NVIDIA Platform - Drivers, CUDA etc.
- 2) Introduction to Neural Network, Backpropagation
- 3) Hands-on Session - Neural Network using Python
- 4) Introduction to Deep Learning Ecosystem with Frameworks
- 5) Convolutional Neural Network, Pretrained models, Transfer Learning etc.
- 6) Hands-on Session - Image Classification of MNIST using DIGITS platform (CNN and optimization) and Transfer Learning
- 7) Introduction to Recurrent Neural Network
- 8) Demo video of simple RNN example
- 9) Deep Learning - Live Project Discussion

RESOURCE PERSONS

- 1) Mr. Dwijay Bane
Edutech Learning Solutions Pvt. Ltd.
- 2) Experts from Industry and Academic



CHIEF PATRON

Brig Abhay A Bhat (Retd), Director, AIT

PATRON

Dr. B P Patil, Principal, AIT

CONVENER

Dr. Sangeeta Jadhav, HOD (IT)

COORDINATORS

Ms. Ashwini Sapkal, Asst Prof, IT
Mrs. Vaishali Ingale, Asst Prof, IT

EXECUTIVE COMMITTEE MEMBERS

Mr. Yuvraj Gholap, Asst Prof, IT
Mrs. Aparna Joshi, Asst Prof, IT

Three Days State Level Faculty Development Program on “Practical Approaches of Artificial Neural Network and Deep Learning”

14th Dec 2018

Information Technology department of Army Institute of Technology is organizing the Three Days State level Faculty Development Program on “Practical Approaches of Artificial Neural Network and Deep Learning” at its campus in Pune from 17th December to 19th December 2018 under Quality Improvement Program of SPPU.

This FDP will act as a major forum for the presentation of innovative ideas, approaches, and development of research projects in the area of Neural network and Deep learning. In this FDP the most effective deep learning techniques will be discussed. The Participants will gain the “Know-How” needed to apply these well known techniques to new problems using mathematical model. The various sessions will provide a broad introduction to Artificial Neural Network and Deep learning. Application of various learning algorithms will be discussed through case studies and problem solving methods. The hands-on sessions will enhance the understanding of these techniques.

The **chief guest** of the FDP is **Honorable – VIVEK RAJHANS, VSM_AIR VICE MARSHAL**. The chief Patron of the FDP is Brig (Retd.) Abhay A Bhat, Director AIT and Dr. B P Patil, Principal, AIT as the patron.

The FDP is being convened by HOD of Information Technology Department Dr(Mrs) Sangeeta Jadhav.

It is a big platform which shall give an insight and broaden the horizons to new researches both completed and underway in Neural Network and Deep Learning.

Schedule of the FDP was as follows:

Day 1	9.30:10.15	Inaugural Ceremony	VIVEK RAJHANS, VSM_AIR VICE MARSHAL
	9.15:10.30	Breakfast	
	10.30:11.30	Keynote Speech-“Deep Learning : Current trends and future”	Mr. Rakesh Nakod
	11.30- 12.30	Quick Intro to Python, Git and Github, linux tools like tmux, cloud setup (if required). NVIDIA Platform: Drivers, CUDA, etc	Mr Dwijay Bane
	12.30:1.30	Intro to Neural Network,	

		Backpropagation,	
	1:30:2.15	Lunch Break	
	2.15:5.15	Hands-on session on above	
Day 2	9.10: 10.30	Fundamentals of Deep Learning for Computer Vision	Dr Swati Shinde
	10.30:10.45	Breakfast	
	10.45:11.45	Intro to Deep Learning Ecosystem with Frameworks	
	11.45:1.30	CNN, Pretrained models, transfer learning, etc	
	1:30:2.15	Lunch Break	
	2.15:5.15	Hands-on: Image classification of MNIST using DIGITS platform (CNN and optimization) and Transfer learning	
Day 3	9.10: 10.30	Introduction to RNN	Mr Dwijay Bane
	10.30:10.45	Breakfast	
	10.45:1.30	Demo video of simple RNN example	
	1:30:2.15	Lunch Break	
	2.15:4.15	Deep Learning :Live project discussion	
	4.15:4.30	Valedictory	

Glimpses of FDP



Inauguration of FDP by the chief guest Honorable – VIVEK RAJHANS, VSM, AIR VICE MARSHAL.

Inauguration of FDP by the **chief guest Honorable – VIVEK RAJHANS, VSM, AIR VICE MARSHAL** along with Brig (Retd.) Abhay A Bhat, Director AIT, Dr. B P Patil, Principal, AIT and Resource person Mr Dwijay Bane .
Chief Guest_VIVEK RAJHANS, VSM, AIR VICE MARSHAL.



Keynote Speech-“Deep Learning : Current trends and future” by Mr Rakesh Nakod.

Keynote Speech-“Deep Learning : Current trends and future” by Mr Rakesh Nakod.



Lab Session conducted by Mr Dwijay Bane.

Lab Session conducted by Mr Dwijay Bane.



Participants along with resource person Dr. Swati Shinde & Mr Dwijay Bane.

Participants along with resource person Dr. Swati Shinde & Mr Dwijay Bane.



Valedictory function of FDP

Valedictory function of FDP

Army Institute of Technology

Department of Information Technology

FDP on "Practical Approches of Artificial Neural Network and Deep Learning"

Date- 17th December 2018


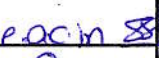


Sr. No	Name	College	University	Mobile	Email	Sign
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2.	Taware P R	S.B Patil COE	PUNE	9508103639	pradeep.taware08@gmail.com	
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5	Rucha Shinde	—	Pune	9552768250	ruchashinde14@gmail.com	
6	Lt Col Anandkumar	SIU	Pune	9770857223	andyforce01@yahoo.co.in	
7.	Dhanashri Patil	AIT	Pune	9403565462	dpdhanashripatil@gmail.com	
8.	Dipti Pandit	VIT	Pune			
9.	Namita Mane	AISC	Pune	8007598815	gholapnamita1@gmail.com	
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11	Vaishali Gangannas	AIT	Pune	9881465684	vgangannas@aitpune.edu.in	
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13.	Dr. N.K. Bansode	AIT	Pune	982266427	nkBansode@aitpune.edu.in	

Army Institute of Technology

Department of Information Technology

FDP on "Practical Approches of Artificial Neural Network and Deep Learning"

Date- 17th December 2018

Sr. No	Name	College	University	Mobile	Email	Sign
1	Sameet Wagle	MILIT	Defence Uni	7745078442	skwagle@yahoo.com	
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3	Hajrat Kaur	AIT Pune	Pune	7798777110	mail2kKaur@gmail.com	
4	Sandeep Kumar	HSBC Technology	Pune	7767985889	sandeep13101994@gmail.com	

Sr. No	Name	College	University	Mobile	Email
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2	Dipmala Salunke	JSPM, RSCOE, Tathawade, Pune	SPPU PUNE	8329622967	dipmala.salunke@gmail.com
3	NITIN M SHIVSHARAN	SSPM COLLEGE OF ENGINEERING KANKVALI	UNIVERSITY OF MUMBAI	9421267167	shivsharan.nitin@gmail.com
4	Smita Kulkarni	MIT AOE	Pune	9423582133	sskulkarni@entc.maepune.ac.in
5	kalyan Bamane	DYPCOE AKURDI	SPPU PUNE	9822116453	kalyandbamane@gmail.com
6	Dipti Pandit	VIIT, Pune	Pune	9850586097	dppandit@gmail.com
7	Ms. Jayashri Prashant Waman	Dr. D. Y. Patil School Of Engineering ,Lohegaon,Pune	SPPU	8550969911	jayashriwaman@gmail.com
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10	PRANALI G CHAVHAN	VIIT,PUNE	PUNE	9270324778	pranali.chavhan@viit.ac.in
11	Dr. Alifiya Jahagirdar	Abeda Inamdar Senior College	pune	9730073971	rosealif@gmail.com
12	Mrs. Shakila Siddavatam	Abeda Inamdar Senior College	Pune	8446451754	nacc1112@gmail.com
13	Taware Pradeep Ramdas	S.B Patil College of Engineering, Indapur	SPPU,Pune	9503103639	pradeep.taware08@gmail.com
14	Mate Gitanjali Subhash	JSPM's Rajarshi Shahu College of Engineering	Pune	9822333970	gsmate@yahoo.com



**Three Days
State Level Faculty Development Programme on
"Practical Approaches of Artificial Neural Network and Deep Learning"
17th to 19th December 2018**

MINUTE SHEET
Department of Information Technology

004

Case No. AIT/2018-19/ IT/ 1351/Staff

Sheet No:1

1. Department of Information Technology organized 3 days Faculty Development program on "Practical Approaches of Artificial Neural Network and Deep Learning" from 17th December 2018 to 19th December 2018
2. Following 5 Speakers are invited and confirmed for the FDP
 - 1) Dr Anju Kulkarni – Professor, DYPIT, Pimpri
 - 2) Dr Swati Shinde – Professor, PCCOE, Pune
 - 3) Dr Shailaja Patil – Professor, RSCOE, Tathawade, Pune
 - 4) Mr Nitin Paranjape – Director Edutech Learning Solutions Pvt. Ltd
 - 5) Mr Dwijay Bane – Edutech Learning Solutions Pvt. Ltd
3. The total estimated budget for the FDP is Rs. 95000/- (Refer flag 'A')
4. The resource person remuneration is approximately Rs 35000/- and Cloud infrastructure charges are Rs 20000/-.

Hence it is requested to issue cheques as follows

- a) Rs 30000/- in favor of Mr Dwijay Bane
- b) Rs 20000/- in favor of Dr Sangeeta Jadhav (Will be paid by her credit card) for Google cloud space-HPC
- c) Rs 15000/- in favor of Prof Vaishali Ingale.

Bifurcation of Rs 15000/- is as follows

- 1) Remuneration of Dr Swati Shinde Rs 2000/-
- 2) Remuneration of Dr Anju Kulkarni Rs 2000/-
- 3) Remuneration of Dr. shailaja Patil Rs 1000/-
- 4) Registration Kit and Inaugural preparation- Rs 10000/-

The said amount may be deducted from IT budget 2018-19 R&D Sr No – 2a (Refer flag 'B')

5. It is kind request to issue 5 small AIT Memento and 1 big AIT Memento for the guest.
6. It is requested to sanction one guest room for the resource person and four other guest rooms for the participants (The details will be provided once the participants confirmed).
6. It is also requested to provide transport facility to pick up and drop the resource persons (Minimum 2 vehicles per day) during the above mentioned dates.
7. Please provide generator backup during the period of FDP(17th to 19th DEC 18)
8. Put up for your perusal and approval please

S. Jadhav
8/12/18
Dr. Sangeeta Jadhav
HOD-IT

The Principal: *P. S.* 08/12/18
Jt Director: *[Signature]* 11/12/18
Director: *[Signature]* 11/12/18

Principal Office	
S No.	704
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Sign	<i>[Signature]</i>

IN	
CE	
922	
8/12	
<i>[Signature]</i>	35

Faculty Orientation Programme on "Processor Architecture and Programming Skill Development Lab"



Army Institute of Technology

Department of Information Technology
Organizes

Faculty Orientation Programme
On

**"Processor Architecture and
Programming Skill Development Lab"
(SE 2019 Course)**

2nd to 4th February 2021

In Association with
Board of Studies- Information
Technology, SPPU, Pune

REGISTRATION DETAILS

No Registration Fee

Link for Registration: [Click here](#)

Join Whatsapp Group After Registration: [Click here](#)

For queries: Prof. Geeta Patil (+91 9158368567)
Prof. Aparna Joshi (+91 9763853569)

ABOUT AIT

AIT was founded in 1994, as a result of the vision, and untiring efforts of Late Gen B.C. Joshi PVSM, AVSM, ADC for the children of all ranks of the Indian Army. The beautiful campus, serene ambience and architectural splendor, state of the art infrastructure, all provide vital ingredient for a delectable academic environment for development of total quality engineers. AIT is ranked at No. 109 by NIRF across India. AIT has won best college award in technical category for year 2016-17 by SPPU. AIT runs BE courses in Comp. Engg., IT, Mech., E&TC and PG course in Machine Design. All courses are affiliated to SPPU.

ABOUT THE DEPARTMENT

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OBJECTIVE OF THE FOP

The objective of the workshop is to orient faculty members for the newly-introduced subject "Processor Architecture and Programming skill development Lab" in the Second Year Information Technology Syllabus.

CHIEF PATRONS

Brig.(Retd) Abhay A. Bhat, Director, AIT

PATRON

Dr. B.P. Patil, Principal, AIT

CONVENER

Dr. Sangeeta Jadhav, HOD (IT)

ADVISORY COMMITTEE

Dr. M.G. Chaskar (Dean, Faculty of Science and Technology, SPPU, Pune)

Dr. Aditya Abhyankar (Chairman, BoS-IT, SPPU, Pune)

Dr. Lalit Patil (Member, BoS-IT, SPPU, Pune)

Dr. Surendra Mahajan (Member, BoS-IT, SPPU, Pune)

Dr. Sudeep Thepade (Member, BoS-IT, SPPU, Pune)

Dr. Dipti Patil (Member, BoS-IT, SPPU, Pune)

Dr. Mandar Karyakarte (Member, BoS-IT, SPPU, Pune)

Dr. Emmanuel M (Member, BoS-IT, SPPU, Pune)

Dr. M.U. Kharat (Member, BoS-IT, SPPU, Pune)

Dr. G. V. Garje (Member, BoS-IT, SPPU, Pune)

Dr. Madhavi Pradhan (Member, BoS-IT, SPPU, Pune)

Dr. Vivek Kulkarni (Member, BoS-IT, SPPU, Pune)

Dr. Abhijat Vichare (Member, BoS-IT, SPPU, Pune)

Dr. Uday Khedkar (Member, BoS-IT, SPPU, Pune)

Dr. Sanjay Kadam (Member, BoS-IT, SPPU, Pune)

Dr. Baisa Gunjal (Member, BoS-IT, SPPU, Pune)

COORDINATOR

Prof. Geeta Patil

ORGANIZING COMMITTEE

Prof. Sandeep Samleti

Prof. Aparna Joshi



Army Institute of Technology, Pune
Department of Information Technology



Faculty Orientation Program for the subject
“Processor Architecture and Programming skill development Lab” SE-IT (2019 course)
 In association with BoS Information Technology, SPPU, Pune

Faculty Orientation Program Schedule: (2/ February/ 2021 to 4/ Feb/ 2021)

Day1: 2/Feb/2021			
Sr.No	Timing	Activity	Resource Person
1	10:00 am – 11:00 am	Inauguration	Welcome Address by Convener Address by Dignitaries
2	11:00 am to 1:00 pm	Session on unit1 and Lab assignment	Dr. D.S. Mantri Associate Professor, Sinhgad Institute of Technology, Lonavala,
3	2:00 pm to 5:00 pm	Session on unit2 and Lab assignments	Mrs. Minakshee Patil Assistant Professor, Sinhgad Academy of Engineering, Pune
Day2: 3/Feb/2021			
Sr. No.	Timing	Activity	Resource Person
1.	10:00 am to 1:00 pm	Session on unit3 Lab assignments	Dr. A. N. Paithane Professor, JSPM'S Rajarshi Shahu College of Engineering, Pune.
2.	2:00 pm to 5:00 pm	Session on unit4 and Lab assignments	Mr. Avinash Patil Assistant Professor, Army Institute of Technology, Pune.
Day3: 4/Feb/2021			
Sr. No.	Timing	Activity	Resource Person
1.	10:00 am to 1:00 pm	Session on unit5 and Lab assignments	Mrs. Sushma Patil, Assistant Professor, Army Institute of Technology, Pune.
2.	2:00 pm to 4:30 pm	Session on unit6 and Lab assignments	Ketan K. Patel Sr. Embedded Engineer, Edutech Learning Solutions Pvt. Ltd., Vadodara Bhavin R. Darji Embedded Engineer, Edutech Learning Solutions Pvt Ltd., Vadodara
3.	4:30 pm onward	Vote of Thanks and Concluding Remark	

Invitation for Inauguration Ceremony of Faculty Orientation Program on "Processor Architecture and Programming Skill Development Laboratory (Practical) on 2nd Feb 2021 at 10 AM

GEETA PATIL <gpatil@aitpune.edu.in>

Thu 28/01/2021 19:41

To: IT Faculty <itfaculty@aitpune.edu.in>

 1 attachments (135 KB)

FOA_PA Brochure.pdf;

Respected Sir/Madam

Greetings of the day !

It gives us immense pleasure to invite you for the inauguration Ceremony of the **Faculty Orientation Program (FOP) of SE-IT (2019 Course)** for the subject "**Processor Architecture(Theory) and Programming Skill Development Laboratory (Practical)**"

Date: 2/ February/2021

Time :10.00 am .

Platform: Online mode via Microsoft Team.

Microsoft Team Link to join the inauguration Ceremony : https://teams.microsoft.com/l/meetup-join/19%3ameeting_YTZhY2Y1NjctYTU3Zi00YjU1LWl4NGItNGY2NTQyYmRkNDQ5%40thread.v2/0?context=%7b%22Tid%22%3a%226d28e4fb-9074-4a0b-a5b8-9a89f632cc60%22%2c%22Oid%22%3a%2237dd3769-c2dc-4306-803a-918af952f3d4%22%7d

Programme Brochure is attached for your reference.

Thanks & Regards,

Co-ordinators:

1. Prof. Geeta Patil, Assistant Professor, IT Department, AIT, Pune (9158368567)

Convener:

Dr. Sangeeta Jadhav, HOD(IT), AIT, Pune

Timestamp	Participant Name (for Certificate)	E-mail Id (Certificate will be)	College Name	Designation	The m	Was th	Were Have	Did you fi	How
2/4/2021 15:19:01	Prof. Arati S. Pingle	arati.pingle@pvgcoenashil	PVGCOE,NA	Assistant Pro	5	5	5 Yes	Yes	5
2/4/2021 15:19:15	Dipti Varpe	dtv_it@pvgcoet.ac.in	PVG'sCOET,	Assistant Pro	5	5	5 Yes	Yes	5
2/4/2021 15:19:24	Mrs. Usha A Jogalekar	uajogalekar@pict.edu	Pune Institute	Assistant Pro	5	5	5 Yes	Yes	5
2/4/2021 15:20:03	BHUSHAN CHANDRAKAR	bhushan.ei@gmail.com	ABMSP'S Anz	Assistant Pro	5	4	4 Yes	Yes	5
2/4/2021 15:20:09	Prof. Shalu Saraswat	shalu.saraswat@gmail.com	Pdea's COE	Assistant Pro	4	4	4 Yes	Yes	5
2/4/2021 15:20:12	Swapnali G.Latake	swapnalinba@gmail.com	Jayawantrao	Asst. Profess	5	5	5 Yes	Yes	5
2/4/2021 15:20:37	Swati Sagar	swatisagarbvcoew@gmail.com	Bharati Vidya	Assistant Pro	5	5	5 Yes	Yes	5
2/4/2021 15:21:18	Keshav S Bhagwat	keshav.bhagwat@vpkbiet.	VPKBIET Bar	Asst Prof	4	4	4 Yes	Yes	4
2/4/2021 15:21:50	Mr. SANJAY DADASO TH	sanjaydthorat79@gmail.co	SVPM'S COE	Assistant Pro	5	5	5 Yes	Yes	5
2/4/2021 15:22:07	Dr. Latika Rahul desai	latikadesai@gmail.com	Dr. D. Y. Patil	Head IT and	5	5	5 Yes	Yes	5
2/4/2021 15:22:28	Namita Kale	mrsnrkale@gmail.com	MET's Institu	Associate Pro	5	5	5 Yes	Yes	5
2/4/2021 15:25:39	Mrs. Tanmayee Nikhil Kute	tanmayee.kute@moderncc	PES's Moderr	Assistant Pro	5	5	5 Yes	Yes	5
2/4/2021 15:26:38	Namita Kale	mrsnrkale@gmail.com	MET's Institut	Associate Pro	5	5	5 Yes	Yes	5
2/4/2021 15:27:21	Mrs. Hemlata Makarand J	hmjadhav.scoe@sinhgad.	Sinhgad Coll	Associate prc	5	5	5 Yes	Yes	5
2/4/2021 15:27:38	Aarti S.Gaikwad	aratig.2010@gmail.com	DYPCOE AKL	Asst.professc	5	5	5 Yes	Yes	5
2/4/2021 15:28:20	Sneha Dhananjay Deo	sneha.deo28@gmail.com	NBN Sinhgad	Asst.Prof.	5	5	4 Yes	Yes	3
2/4/2021 15:28:53	Swapnali G.Latake	swapnalinba@gmail.com	Jayawantrao	Asst.Professc	5	5	5 Yes	Yes	5
2/4/2021 15:29:39	Ms.Poonam Lalit Rakibe	poonam.rakibe@moderncc	PES's Moderr	Assistant Pro	5	5	5 Yes	Yes	5
2/4/2021 15:29:53	Pratik Bibhishan Kamble	pratikkamble@mmcoe.edu	Marathwada	Assistant Pro	5	5	5 Yes	Yes	5
2/4/2021 15:32:30	Mr.Sachin M. Kamble	sachinmkamble29@gmail.	Smt.Kashibai	Asst. Profess	5	5	5 Yes	Yes	5
2/4/2021 15:33:09	Anuradha Prasad Kulkarni	anuradhak.kulkarni@gmai	Sinhgad Instit	Assistant proi	4	4	4 Yes	Yes	4
2/4/2021 15:34:39	Smita N Chaudhari	s.n.chaudhari@kkwagh.ed	KKWIEER Na	Assistant Pro	5	5	5 Yes	Yes	5
2/4/2021 15:34:55	Mr. Pankaj S Desai	pankajdesai21@gmail.com	SNJB'S late S	Assistant proi	5	5	5 Yes	Yes	5
2/4/2021 15:37:36	Mr. Sandeep Rambhau W	srwarhade@pict.edu	Pune Institut	Assistant Pro	5	5	4 Yes	Yes	4
2/4/2021 15:38:48	Abhijit Hanumantrao Pawa	ahp.abhijit@gmail.com	SVPM Colleg	Assistant Pro	5	5	5 Yes	Yes	5
2/4/2021 15:44:36	Dr. Rakesh Bapu Dhumale	rakesh.dhumale@aissmsic	AISSMS Instit	Assistant Pro	5	5	5 Yes	Yes	5
2/4/2021 15:55:02	Ms.Sheetal Hanumantrao	sheetalbarshikar@sinhgad	Sinhgad Instit	Asst.professc	5	5	5 Yes	Yes	5
2/4/2021 15:59:05	Snehal Sharad Khartad	snehal.khartad.sknsits@si	SKN Sinhgad	Asst professc	5	4	4 Yes	Yes	4
2/4/2021 16:08:26	Yogita Sachin Narule	yogitan@isquareit.edu.in	International	Assistant Pro	5	5	5 Yes	Yes	5
2/4/2021 16:18:28	Dr Rupali Shridhar Khule	khulers@gmail.com	Matoshri colle	Associate Pro	5	5	5 Yes	Yes	5
2/4/2021 16:26:09	Muneshwar Rajesh Niranj	raj.muneshwar@gmail.com	AVCOR,Sang	Assistant Pro	5	5	5 Yes	Yes	5
2/4/2021 16:56:46	Priyanka Sunil Manke	priyanka.manke@pccoepu	Pccoe	Assistant proi	5	5	5 Yes	Yes	5

2/4/2021 17:21:16	Ms. Kalyani Tukaram Bhar bhandwalkarkt@pravaraer	Pravara Rural Assistant prof	5	5	5	Yes	Yes	5
2/5/2021 9:15:01	Mr. Prashant Babasaheb \ vikhe.prash11@gmail.com	Pravara Rural Assistant Pro	5	5	5	Yes	Yes	5
2/5/2021 9:16:56	Mr. Prashant Babasaheb \ vikhepb@pravaraengg.org	Pravara Rural Assistant Pro	5	5	5	Yes	Yes	5
2/5/2021 15:07:21	Mr. Prashant Babasaheb \ vikhe.prash11@gmail.com	Pravara Rural Assistant Pro	5	5	5	Yes	Yes	5
2/5/2021 16:26:59	Rupali Tajanpure tajanpure.rupali@kbtcoe.o	MVPS's KBT Assistant Pro	5	5	5	Yes	Yes	5
2/6/2021 7:09:47	Mr. Prashant Babasaheb \ vikhe.prash11@gmail.com	Pravara Rural Assistant Pro	5	5	5	Yes	Yes	5
2/7/2021 11:35:47	Mahendra Sudhir Sawane mssawane_it@jspmbiotr.	JSPM BSIOTI Asst Prof	5	5	4	Yes	Yes	5
2/7/2021 12:06:49	Namita Kale mrsnrkale@gmail.com	MET IOE Associate Pr	5	5	5	Yes	Yes	5
2/7/2021 14:01:38	Smita N Chaudhari s.n.chaudhari@kkwagh.ed	KKWIEER Na Assistant Pro	5	5	5	Yes	Yes	5
2/8/2021 7:16:02	Bhakti Ratnaparkhi bhakti6042@gmail.com	PCCoE, nigdi Assistant prof	4	4	3	Yes	Yes	3
2/8/2021 10:27:53	Tejaswini Ankush Bhosale tejaswini.bhosale@zealedt	Zeal institute Asst professc	4	4	5	Yes	Yes	4
2/8/2021 12:30:06	Rupali Tajanpure tajanpure.rupali@kbtcoe.o	MVPS's KBT Asst. Prof.	5	5	5	Yes	Yes	5

Any Comments

Very Nice session

Thanks for cooperation

Informative FOA. Thanks to all team

Please share all material

Through Drive share the all materials of theory and lab(Manual ,code,&PPTs)to us

No any comments

All sessions are very nicely conducted

very well organized FOA

Very informative and nicely organised all the sessions

Very informative sessions

NA

Informative FDP. Thanks to all team

No..sir pls share recordings of all days for reference

Please provide the recording for all the sessions.

Nice sessions

No

Very Informative FDP

-

Excellent

No

Nice sessions and will be very helpful for conducting lectures and practicals

Nice session and well organized

Please share session recordings and material

Nil

Nil

Nil

Nil

None

Please send material and recording

Plz upload all materials and recording of FOP to drive..

Faculty Development Program on "Evaluation of Deep Learning Models on High Performance Computer"



Onward to Glory

Department of Information Technology
organizes

Faculty Development Program
on

"Evaluation of Deep Learning Models on
High Performance Computer"

5th & 6th March 2021

in Association with



REGISTRATION DETAILS

Registration Fee- ₹100

For Queries: Prof. Rupali Bagate(9552936611)
email- rbagate@aitpune.edu.in

[Link-Click Here](#)

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OBJECTIVE OF THE FDP

- Evaluation of different Machine learning and Deep Learning Models using HPC
- Computations on GPU using Pytorch
- Introduction of AIT campus HPC facility
- Awareness about how to avail HPC facility

CHIEF PATRON

Brig.(Retd) Abhay A. Bhat, Director, AIT

PATRON

Dr. B.P. Patil, Principal, AIT

CONVENER

Dr. Sangeeta Jadhav, HOD (IT)

RESOURCE PERSON

Lt. Col. P J Anand Kumar(Retd) (Founder and CEO of Critical AI Pvt Ltd.)

Mr. Dwijay Bane (PhD Scholar at IIT Delhi and former employee at Edutech Pvt Ltd)

Mr.Bhavin (Edutech Pvt Ltd.)

COORDINATOR

Dr. Ashwini Sapkal
Prof. Vaishali Ingale

ORGANIZING TEAM

Prof. Sandeep Samleti
Prof. Rupali Bagate

Fwd: National Level Faculty Development Program on "Evaluation of Deep Learning Models on High Performance Computer"

Dr Mrs Sangeeta Jadhav, HOD IT <hodit@aitpune.edu.in>

Mon 01/03/2021 21:56

To: Principal AIT <principal@aitpune.edu.in>

Cc: HOD <hodall@aitpune.edu.in>; Jt Director AIT <jd@aitpune.edu.in>; Director AIT <director@aitpune.edu.in>

Dear Sir,

Greetings!

PFA mail for your kind information pls.

Thanks and regards

Get [Outlook for Android](#)

From: APARNA JOSHI <ajoshi@aitpune.edu.in>

Sent: Tuesday, 2 March 2021, 9:20 am

To: IT Faculty; Mechanical Faculty; ETC Faculty; Computer Faculty; ASGE Faculty

Cc: Director AIT; Principal AIT; All HOD

Subject: National Level Faculty Development Program on "Evaluation of Deep Learning Models on High Performance Computer"

Dear Sir/Madam,

We are pleased to inform you that Department of Information Technology of Army Institute of Technology, Pune, Maharashtra is organizing Online National Level Faculty Development Program on **"Evaluation of Deep Learning Models on High Performance Computer"** in association with **AIT CSI branch and Institute Innovation Cell (Ministry of HRD Initiative)** for Faculty, Students and Research Scholar from Approved colleges and Universities throughout the country.

The details are as follows:

Date: **05 Mar - 06 Mar 2021**

Register at <https://tinyurl.com/hpcfdp>

Registration Fee- ₹100.

For Queries: Prof. Rupali Bagate(9552936611)

Email- rbagate@aitpune.edu.in

After registration join either whatsapp or telegram group

WhatsApp Group:

<https://chat.whatsapp.com/G95A1QzKVjGFjgpv0uO4Sp>

Telegram Group:

<https://t.me/joinchat/TGIXoZDRfHbfoGUG>

E-certificate will be provided for the participants who fill the feedback form at the end of the workshop.

Convener

Dr. (Mrs) Sangeeta Jadhav
Professor & HOD-IT, AIT

Coordinator(s)

Dr. Ashwini Sapkal
Prof. Vaishali Ingale

Thank You

Regards,

Prof. Aparna Shashikant Joshi
Social Media Coordinator, IIC 3.0

Terminal window showing JupyterLab interface and terminal output:

```

# git clone https://github.com/deljaykane/dl_examples.git
Cloning into 'dl_examples'...
remote: Enumerating objects 20, done.
remote: Compressing objects 100% (20/20), done.
remote: Compressing objects 100% (13/13), done.
remote: Total 20 (delta 4), reused 0 (delta 4), pack-reused 0
Unpacking objects: 100% (20/20), done.
# cd dl_examples
#

```

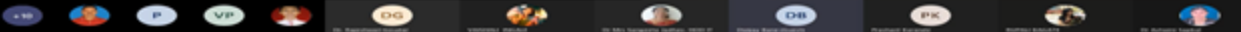
Terminal window showing system package information:

```

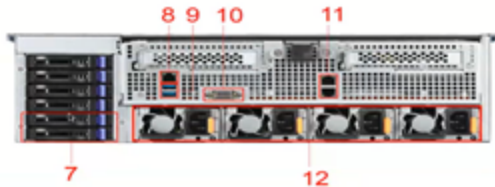
tensorflow-probability 0.7.0
tensorflow             1.1.0
terminado              0.9.2
testpath               0.4.4
test-unittests         1.3
tf-examples            1.1.0
tflearn                0.5.0
Theano                 1.0.5
threadpoolctl         2.1.0
tLFFFLe               2020.9.3
tonl                   0.10.2
torch                  1.7.1
torchsummary          1.5.1
torchtext              0.9.1
torchvision           0.9.2
torndns                0.1
tqdm                   4.50.0
traitlets              4.3.3
Typeguard              2.13.1
Typing                 3.7.4.3
Typing-extensions     3.7.4.3
Typing-Inspection     0.6.0
tutorials              2.1
urllib3                 1.0.1
urllib3                 1.26.3
visions                0.6.0
wincertificates        0.2.0
winincollaps           0.5.1
winincollaps           1.0.1
wincollaps             0.36.2
wincollaps_extensions 1.5.1
winopt                 1.12.1
winl                    1.0.3
winl                    1.4.0
winl                    4.5.0
winl                    5.2.0

```

46



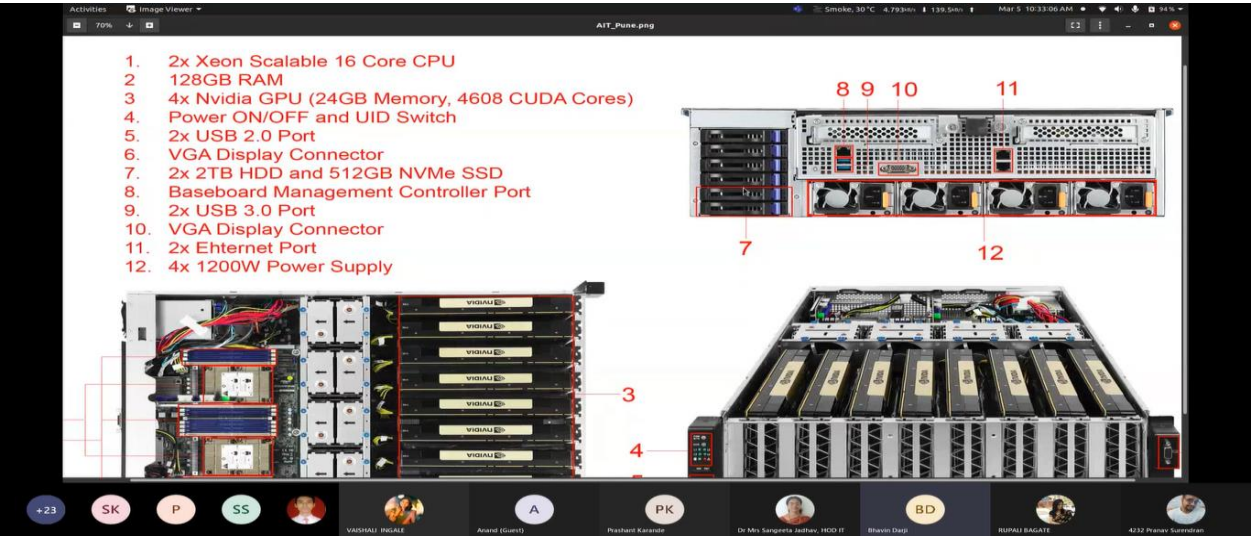
1. 2x Xeon Scalable 16 Core CPU
2. 128GB RAM
3. 4x Nvidia GPU (24GB Memory, 4608 CUDA Cores)
4. Power ON/OFF and UID Switch
5. 2x USB 2.0 Port
6. VGA Display Connector
7. 2x 2TB HDD and 512GB NVMe SSD
8. Baseboard Management Controller Port
9. 2x USB 3.0 Port
10. VGA Display Connector
11. 2x Ethernet Port
12. 4x 1200W Power Supply



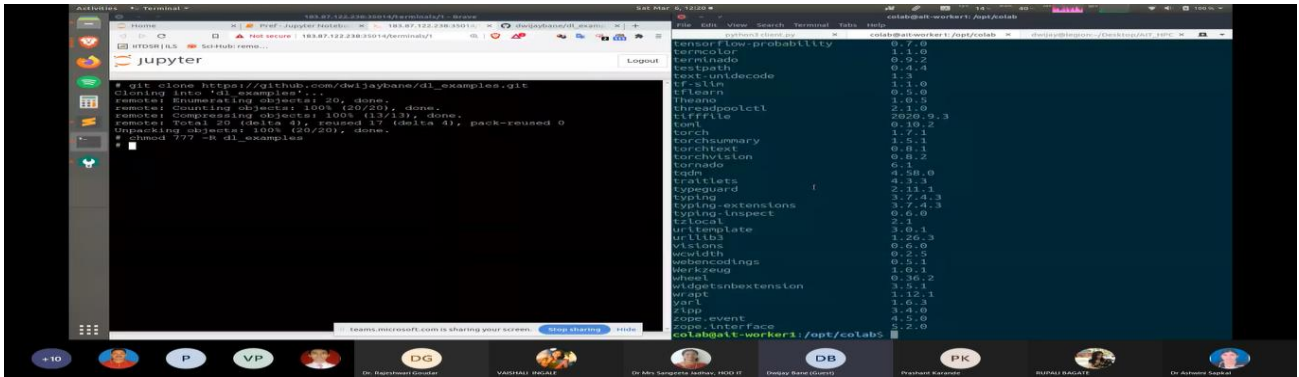
Report Format for IIC3.0

Note: *mark are compulsory fields

Required Field	Information to be filled
Link for publicity on Social media * (Facebook//twitter/Instagram)	
Academic Year *	SEM II 2020-21
Program driven by *(to be decided by social media coordinator)	Dr. Ashwini Sapkal, Prof. Vaishali Ingale, Prof. Rupali Bagate
Program/Activity/Name *	“Evaluation of Deep Learning Models on High Performance Computer”
Select one of the Program Type *(Workshop/Leadership Talk/Motivation Speech/Field Visit/Other)	Faculty Development Program
Select one of the Program Theme *(IPR/Innovation/Entrepreneurship/Startup/ Other)	Innovation
* Start Date	05 th March 2021
* End Date	06 th March 2021
Number of External Participants, If any	17
*Mode of Session delivery (offline/online)	Online
*Number of Student Participants	02
*Number of Faculty Participants	10
Expenditure Amount, If any	
Remark	

*Benefit in terms of learning/Skill/Knowledge obtained	Participant will be able to carry out their research using HPC
*Objective	a) Evaluation of different Machine Learning & Deep Learning model Using HPC. b) Computations on GPU using Pytorch. c) Introduction of AIT campus HPC Facility. d)Awareness about how to avail HPC Facility.
*Faculty Name (Faculty involved in organizing event)	Dr. Ashwini Sapkal, Prof. Vaishali Ingale
*Student Name((student involved in organizing event)	Pranav Surendran
*Video URL	https://aitpuneedu-my.sharepoint.com/personal/bapukarande_aitpune_edu_in/Documents/05th%20March%20-6th%20March%202021%20FDP/Recording
*Photograph1 (Jpeg Format max size 2 Mb) which shows strength of audience with speaker(can attach separate file)	

*Photograph2 (Jpeg Format max size 2 Mb) which shows strength of audience with speaker(can attach separate file)



*Session plan/Brochure/Document/overall report of the activity (can attach separate file)

Report

1. MOU between Army Institute of Technology and Critical AI Pvt Ltd was signed in the month of October.
2. Under this MOU Critical AI Pvt Ltd. had provided internship to 17 students (total 11 project groups).
3. Students (interns) are doing projects in various domains. For example, Machine Learning, Deep learning, Block chain, security, Chatbot.
4. Interns have to finalize their topics

Sr. No	Mob no	NAME	PROJECT
1	6377390849	Sunil Choudhary	Activity Classification
	9359748959	Shailesh	Activity Classification
2	8698187796	NeelanjanMitra	Fintech
3	6377173879	Arun	Block chain
4	9359911739	Gaurav Mishra	Intuitive Dashboard for IoT
5	7976016059	Harsh Chauhan	Offline Chatbot for KMS
	8369274720	Sachin	Offline Chatbot for KMS
6	7976421141	Payal	Sign Board Reading Algorithm
	9145271704	Sparsh Gupta	Sign Board Reading Algorithm
7	9381150617	Hussain Ali	Data Fusion

8	9997604163	Sunny Bandari	Document Recreation
	8550912046	Raj Shekar	Document Recreation
	7032781087	Sneashish	Document Recreation
9	9359235837	Depesh	Face Recognition using GAN/Scene Detection
10	7807485483	Rishav Sharma	Localization using GAN