

### **Criteria 6.3.3**

**Index of professional development /administrative training programs organized by the institution for teaching and non-teaching staff**

**AY 2018 - 2019**

<b>Sr No.</b>	<b>Particular</b>	<b>Page No.</b>
1	FDP on "Practical Approaches of Artificial Neural Network & Deep Learning".	2 - 14

### REGISTRATION DETAILS

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

Registration Link - [goo.gl/CvLkma](http://goo.gl/CvLkma)

Last date of registration - 30<sup>th</sup> November 2018

### 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](mailto:rahuldesai@aitpune.edu.in)  
[desaimrahul@gmail.com](mailto:desaimrahul@gmail.com)



### 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 17<sup>th</sup> December 2018 to 19<sup>th</sup> 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 its 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.

Three Days  
State Level Faculty Development Programme

PRACTICAL APPROACHES OF  
ARTIFICIAL NEURAL NETWORK  
AND DEEP LEARNING

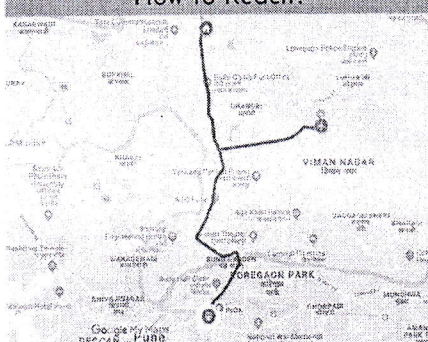
In Association with



IEEE



How to Reach?



Sponsored

Three Days  
State Level Faculty Development Programme

PRACTICAL APPROACHES OF  
ARTIFICIAL NEURAL NETWORK  
AND DEEP LEARNING

Under QIP of  
Savitribai Phule Pune University

17<sup>th</sup> - 19<sup>th</sup> December 2018



Organized by



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

### 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



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

14<sup>th</sup> 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 17<sup>th</sup> December to 19<sup>th</sup> 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.

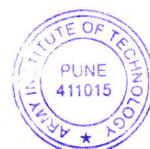
The **chief guest** of the FDP is **Honorable – VIVEK RAJHANS, VSM\_AIR VICE MARSHAL**. The chief Patron of the FDP is Brig (Retd.) Abhay A Bhat, Director AIT and Dr. B P Patil, Principal, AIT as the patron.

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,	



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		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	

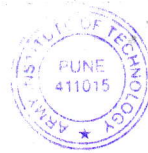


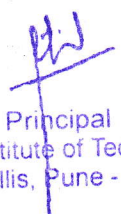
  
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## Glimpses of FDP



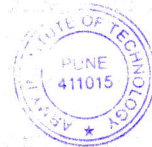
Inauguration of FDP by the **chief guest Honorable – VIVEK RAJHANS, VSM\_AIR VICE MARSHAL** along with Brig (Retd.) Abhay A Bhat, Director AIT, Dr. B P Patil, Principal, AIT and Resource person Mr Dwijay Bane .  
Chief Guest\_ VIVEK RAJHANS, VSM\_AIR VICE MARSHAL.



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



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Lab Session conducted by Mr Dwijay Bane.

Lab Session conducted by Mr Dwijay Bane.

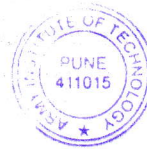


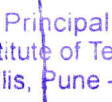
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Participants along with resource person Dr. Swati Shinde & Mr Dwijay Bane.

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

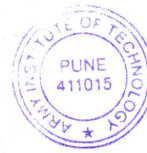


  
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Valedictory function of FDP

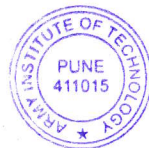


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**Army Institute of Technology**  
**Department of Information Technology**  
**FDP on "Practical Approches of Artificial Neural Network and Deep Learning"**

Date- 17th December 2018

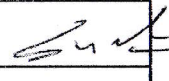
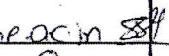


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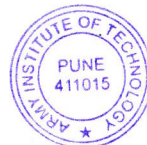


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**FDP on "Practical Approches of Artificial Neural Network and Deep Learning"**

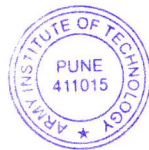
Date- 17th December 2018

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3	Hajit Kawa	AIT Pune	Pune	7798777110	mail2hKawr@gmail.com	
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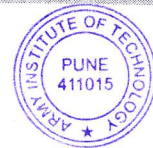
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12	Mrs. Shakila Siddavatam	Abeda Inamdar Senior College	Pune	8446451754	nacc1112@gmail.com
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14	Mate Gitanjali Subhash	JSPM's Rajarshi Shahu College of Engineering	Pune	9822333970	gsmate@yahoo.com



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**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 17<sup>th</sup> December 2018 to 19<sup>th</sup> 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 – Processor, 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')

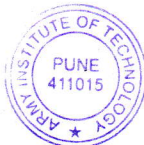
5. It is kind request to issue 5 small AIT Memento and 1 big AIT Memento for the guest.
6. It is requested to sanction one guest room for the resource person and four other guest rooms for the participants (The details will be provided once the participants confirmed).
6. It is also requested to provide 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(17<sup>th</sup> to 19<sup>th</sup> 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



*[Signature]*  
 Principal  
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Principal Office	
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	8/12
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