

DATE: 20<sup>th</sup> Jan 2017

From,

Remul Pinto  
Assistant Professor  
Dept. of CSE  
A.I.E.T, Mijar

Through,

The H.O.D.  
Dept. of CSE  
A.I.E.T, Mijar

To,

The Principal  
A.I.E.T, Mijar

Respected Sir,

**SUBJECT: - Requisition to attend a FDP**

As per the above subject, I seek your permission to attend a FDP on "Machine Learning" in NMAM Institute of Technology, Nitte from 23<sup>rd</sup> to 28<sup>th</sup> Jan 2017. Kindly do the needful.

Thanking you,

Yours Sincerely,



(Remul Pinto)

*Perint  
20/1/17*

Dept. Of Computer Engineering  
Alva's Institute of Technology  
Mijar, MOODIDRI - 574 225

*20/1/17*  
**PRINCIPAL**  
Alva's Institute of Engg. & Technology,  
Mijar, MOODIDRI - 574 225, D.K

Application for Permission to attend  
conference/Seminars/Workshops and Paper Presentation

- |   |                         |
|---|-------------------------|
| 1. Name of the Staff  | : REMUL PINTO           |
| 2. Designation & Department   | : ASST. PROFESSOR, CSE  |
| 3. Date of joining  | : 20-07-2015            |
| 4. Name of the Conference/Seminar<br>Symposium/ Workshop            | : MACHINE LEARNING      |
| 5. Whether the conference is International/<br>National/State Level | : -                     |
| 6. Place of Conference /workshop                                    | : NMAMIT, NITTE         |
| 7. Date of Conference/workshop                                      | : 23/01/17 - 28/01/2017 |
| 8. Title of the paper submitted/accepted                            | : -                     |
| 9. Mention the items enclosed                                       |                         |
| a) Copy of the brochure   | : (Yes/No)              |
| b) Copy of invitation letter  | : (Yes/No)              |
| c) Copy of the abstract of the paper                                | : (Yes/No)              |
| d) Acceptance received by Committee with<br>Recommendation          | :                       |
| 10. Rough estimate of expenditure                                   | :                       |
| a) Registration fee   | : 2600                  |
| b) Train/Air fare   | :                       |
| c) Hotel stay   | :                       |
| d) Dearness Allowance   | :                       |
| e) Others   | : 1000                  |

Date: 20-01-2017

(Signature)

Name: REMUL PINTO

Designation & Dept ASST. P

Recommendation of the HOD

Recommendation of the selection Committee

Signature of the Principal.

PRINCIPAL

Am's Institute of Engg. & Technology,  
Majur, MOODBIDRI - 574 225, D.K



Department of Information Science & Engineering

**NMAM INSTITUTE OF TECHNOLOGY**

(An Autonomous Institution Affiliated to VTU, Belagavi)

P.O.: Nitte – 574110, Karkala- Taluk, Udupi District, Karnataka, INDIA

**NITTE**

isedeptoffice@nitte.edu.in

http://www.nmamit.nitte.edu.in/

Ph: +91 8258 281263 / 281264 / 281248 (0)

Ext. : 351, Fax: +91 8258 281265

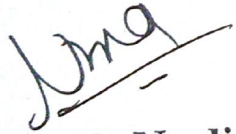
Date **23-01-2017**

**Attendance Certificate**

is is to certify that Ms. Remul Pinto

Asst. Professor, AIET, Mijar

as attended Six Days **Faculty Development Programme** on  
**'Machine Learning'**, jointly organized by Department of Information  
Science & Engineering, NMAMIT and E&ICT Academy, NIT-Warangal,  
sponsored by MeitY, Govt. of India and TEQIP II held at NMAM  
Institute of Technology, Nitte from **23<sup>rd</sup> to 28<sup>th</sup> January, 2017.**



**Dr. B. Neelima**

Co-ordinator,

**FDP on Machine Learning**



# NMAM INSTITUTE OF TECHNOLOGY, NITTE

Department of Information Science & Engineering

(In association with E&ICT Academy, NIT Warangal)


## Certificate

This is to certify that.....**Ms. Remul Pinto**, Assistant Professor  
from.....  
Dept. of CSE, A.I.E.T., Mijar


has participated in MeitY, Govt of India, sponsored Faculty Development Programme (FDP) on  
**Machine Learning**

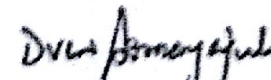
Organised by E&ICT Academy, National Institute of Technology, Warangal,  
at the Department of ISE, NMAM Institute of Technology, Nitte from 23rd-28th January 2017.


Participant obtained.....<sup>B</sup>.....grade in the test.

  
**Dr. B. Neelima**  
Prof. & Head, Dept. of ISE  
NMAMIT, Nitte

  
**Dr. Niranjan H. Chiplunkar**  
Principal  
NMAMIT, Nitte

  
**Dr. R.B. V. Subramanyam**  
Coordinator & Co-Chief Investigator  
E&ICT Academy, NITW

  
**Dr. D.V.L.N. Somayajulu**  
Chair  
E&ICT Academy, NITW

  
**Prof. G. R. C. Reddy**  
Vice Director  
NIT Warangal



**Brief Report about the six days FDP on "Machine Learning" held from 23<sup>rd</sup> to 28<sup>th</sup> January 2017 at NMAMIT, Nitte.**

**- By Vineetha Pais & Remul Pinto, Asst.Prof, Dept. of CSE, AIET.**

**Day 1:** There was a inauguration programme from 9.15 to 9.45am, the head of the institution Dr.Niranjana Chiplunkar and Head of ISE Department Dr.Nileema were present. All the sessions of the day were taken up by Dr. R.B.V. Subramanyam, NIT warangal. From 9.45 to 11.15am there was a session on Overview of Machine Learning. 11.30am to 1.00pm session was on Decision Trees and random Forests. 1.45 to 3.15pm session was on Regression techniques and clustering. The last session of the day was from 3.30 to 4.45pm on Principal Component Analysis(PCA)

**Day 2:** All the sessions of the day were taken up by Mr.Gururaj P.Rao and Mr.vengatesvaran, MCW-Chennai. The first session was from 9.00 to 10.30am on Inspiration to Machine Learning: Basics of Artificial Neural Networks which also included Supervised and Unsupervised Learning. Next session was on 10.45am to 12.15pm on Linear and logistic Regression. From 1.15 to 2.45pm there was a session on Image classification and Models Introduction to Lua. Last session of the day was hands on with Image classification using kNN from 3.00-4.30pm.


**Day 3 :** All the sessions of the day were taken up by Dr.A.D Dileep IIT Mandi. The first session was from 9.00 to 10.30am on Support Vector Machines(SVMs). Next session was on 10.45am to 12.15pm on Kernel Methods and Design of Kernals. From 1.15 to 2.45pm there was a session on Varying Length pattern Classification using SVMs and Applications. Last session of the day was on Introduction to Deep Learning Techniques from 3.00-4.30pm.


**Day 4:** All the sessions of the day were taken up by Mr.Gururaj P.Rao and Mr.Vengatesvaran, MCW-Chennai. The first session was from 9.00 to 10.30am on Introduction to CNN. Next session was on 10.45am to 12.15pm on CNN architecture and Layers. From 1.15 to 2.45pm there was a handson session on Building simple CNN model for Image Classification. Last session of the day was hands on with Training and Testing the model from 3.00-4.30pm.

**Day 5:** All the sessions of the day were taken up by Dr.G.Rammurthy IITH. From 9.00 to 10.30am there was a session on Multidimensional Neural Networks. 10.45am to 12.15pm session was on Linear Filter model of Synapses: Associated Novel Neural Networks and Optimal Robust Filter Models of synapse: Neural networks. 1.45 to 3.15pm session was on Design of Hopfield Neural Networks: Synthesis of Hopfield Type. The last session of the day was from 3.30 to 4.45pm on Linear Congruential sequences : Feedback and Recurrent Neural Networks.

**Day 6 :** All the sessions of the day were taken up by Dr.Gokul Swamy, Amazon . The first session was from 9.00 to 10.30am on Reinforcement Learning. Next session was on 10.45am to 12.15pm on Reinforcement Learning issues. From 1.15 to 2.45pm there was a session on Reinforcement Learning algorithms. Last session of the day was on Reinforcement Learning issues from 3.00-4.30pm. There was a Online Test Conducted after the Lunch break by NIT Warangal. Questions were based on Machine Learning Sessions right from day 1.

  
14/2/17  
(REMUL PINTO  
ASST. PROF, CSE)

  
14/2  
(VINEETHA PAIS)  
ASST. PROF, CSE)

  
14/2  
Dept. Of Computer Science & Engineering  
Alva's Institute of Engg. & Technology  
Mijar, MOODSIDRI - 574 225



# ALVA'S EDUCATION FOUNDATION (R.)

MOODBIDRI - 574 227, D.K.

## DEBIT / CREDIT VOUCHER

No. :

Date 21/01/2017

Sl.No.	Particulars	College Code	Debit (₹)	Credit (₹)
a	FDP - registration fees at NMAMU,	} AL	2600/-	
b	TA		1000/-	
c				
d				
e				
PAYABLE / RECEIVABLE			3600/-	
TOTAL			3600/-	

Rupees Three thousand six hundred only

Narration Mr. Remul Pinto

Assistant Professor, Dept. of CSE, ACET

Prepared by

Principal

A.O.

Authorised by

Receiver's / Remitter's Signature

Alva's Institute of Engg. & Technology,  
Major, MOODBIDRI - 574 225, D.K.  
Dept. Of Computer Science & Engineering  
Alva's Institute of Engg. & Technology,  
Major, MOODBIDRI - 574 225, D.K.