PROCEEDINGS OF THE PRINCIPAL, JNTUA COLLEGE OF ENGINEERING ANANTHAPURAMU (AUTONOMOUS):: JNTUACEA ANANTHAPURAMU
PRESENT: Prof. K. RAMANAIDU: PRINCIPAL

<div style="border:1px solid">TEQIP-III</div>

Procs. No. TEQIP-III/NPIU/Academics/ECE/1.3-2(iv)/35/2018-19   Date:20-02-2019.

Sub: JNTUA College of Engineering Ananthapuramu- JNTUACEA - TEQIP-III-Academics-Permission to conduct Three-Day Training Programme on "Machine Learning and Deep Learning using MATLAB" from 11-03-2019 to 13-03-2019 – Orders – Issued.

Ref: i)   Letter dt: 20-02-2019 of Dr. G. Mamatha, Asst. Professor of ECE

***

     Dr. G. Mamatha, Asst. Professor of ECE has submitted a letter requesting the Principal to permit to conduct Three-Day Training Programme on "Machine Learning and Deep Learning using MATLAB" from 11-03-2019 to 13-03-2019 and requested to permit to meet the expenditure from TEQIP-III funds.

Title of the Program	:	Three-Day Training Programme on "Machine Learning and Deep Learning using MATLAB"
Resource Person(s)	:	Capricot Technologies, Hyderabad
Conducted by	:	Dept. of ECE, JNTUACEA
Duration of the Programme	:	11-03-2019 to 13-03-2019
Coordinator(s)	:	(1) Dr. G. Mamatha, Asst. Professor of ECE (2) Sh. Shankar Lal Sharma, HOD, Dept. of ECE, UCET, Bikaner

     The requisition submitted is approved and the Principal is pleased to accord permission to Dr. G. Mamatha, Assistant Professor of ECE to conduct the above said programme(s) on the date(s) noted. The approximate expenditure to conduct the above said programme is Rs. 13,500/-. The expenditure will be met from TEQIP-III funds under Academics SC 1.3-2 (iv) head of account.

     She is requested to follow the rules and regulations in incurring the expenditure and requested to submit the vouchers in original as per the guidelines provided by NPIU. She is also requested to submit Photographs, list of participants, feedback reports etc., as per TEQIP-III norms in proforma provided.

Encl:

     i. Proforma.

     ii. Guidelines.

PRINCIPAL

To

1. Dr. G. Mamatha, Assistant Professor of ECE
Copy to Head, Department of ECE
Copy to Prof. M.L.S.Deva Kumar, Nodal Officer (A) (TEQIP-III)
Copy to Dr. K. JithendraGowd, Nodal Officer (F) (TEQIP-III)
Copy to Dr.D.VishnuVardhan, Coordinator - (TEQIP-III)
Copy to Dr.A.P. Siva Kumar, Nodal Officer (P) (TEQIP-III)
Copy to Bills.
Spare

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ANANTAPURAMU-515002

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
JNTUA COLLEGE OF ENGINEERING ANANTHAPURAMU

Three day Faculty Development Programme on Machine Learning and Deep Learning using MATLAB

REPORT

A Three day Faculty development programme on Machine Learning and Deep Learning using MATLAB was successfully conducted in the Department of Electronics and Communication Engineering from 11th March to 13th March 2019. FDP was Sponsored by Capricot Technologies Private Limited in association with Mathworks and TEQIPIII.

The three day Faculty Development Programme was inaugurated on 11th March 2019 in the morning hours at VLSI lab in the Department of Electronics and communication Engineering by Lighting of the lamp by the Chief Guest, Prof.S. Srinivasa Kumar ,Vice chancellor JNTUA. A Warm welcome speech was delivered by program coordinator Dr.G.Mamatha, Assistant professor Department Of ECE. Prof. P Rammana Reddy , Head of the Department ECE   highlighted the significance of Machine Learning & Deep Learning and its applications in the industry and academics during his speech. Prof .E .Keshavareddy, Vice Principal JNTUACE shared his views and the advantages of conducting FDP during his speech. The resource person for this program was Mr. Vinod Thomas,who is a Senior Training Engineer at Mathworks India Pvt Ltd Bengaluru Karnataka .

Lighting of the Lamp by Chief Guest Prof. S,Sirinivas Kumar (Vice-chancellor JNTU Ananthapuram)

Inauguration Function Speakers

Prof. E Keshavareddy	Prof. P Rammana Reddy	Dr.G.Mamatha	Mr. Vinod Thomas
VicePrincipal	HOD ECE	Assistant Professor	Senior Training Engineer
JNTUACE	JNTUACE	JNTUACE	Mathsworks

20 Participants from various Engineering colleges had registered for the FDP .The Course material on Machine learning as well as deep learning was distributed to all the registered candidates. The training programmme had lectures and lab sessions. It covered various topics of Machine Learning & Deep learning. The lab sessions exposed the participants to real world issues and also enabled them to practice different tools available in Machine Learning.

On Day 1 contents covered were Introduction to Machine Learning which included different Data types , Data preparation .finding natural pattern in the data and building classification models, descriptive statistics and Inferential statistics which are most essential for any learning algorithms.

On Day 2 introduced different techniques of dimensionality reduction of data sets in order to improve and simplify machine learning models .The session also covered various regression models and evaluation of regression models. Session concluded with detailed description of creating neural network.

On Day 3 Deep learning with Matlab was introduced .Topic covered in the final day included image classification using pertained network. use   of transfer learning to train customized classification networks, Interpreting Network behavior and build convolution network from scratch.

Highlights of all section was the emphasis on hands on training and the sessions had around 80 % Hands on training and the rest 20 % was theory .

The three day FDP concluded with a valedictory function which was conducted at VLSI lab during the closing hours on 13th March 2019. Few of the participants shared their wonderful experience during the FDP. The valedictory function came to a close with the vote of thanks by program Coordinator Dr.G.Mamatha Assistant Professor, (ECE Dept.)
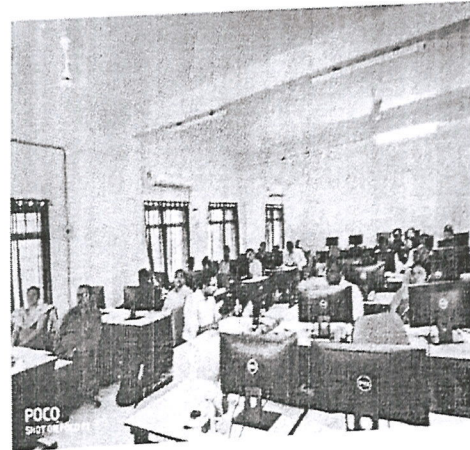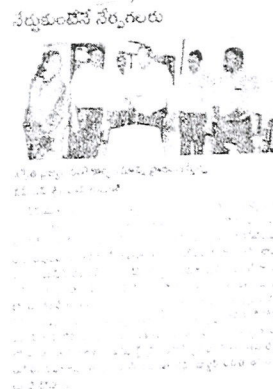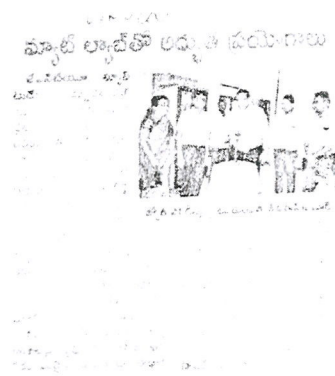
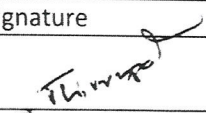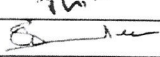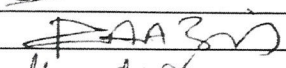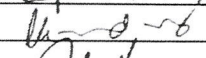Training session in Progress
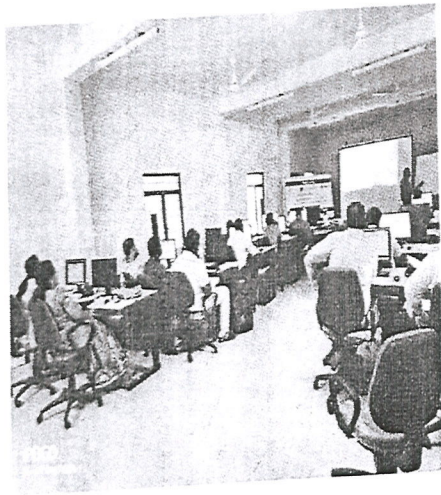
Training session in progress
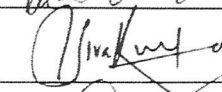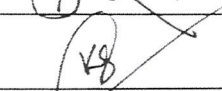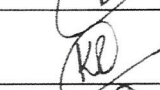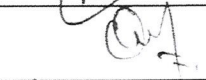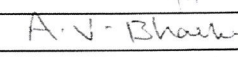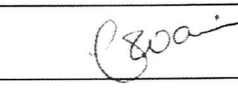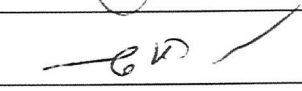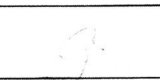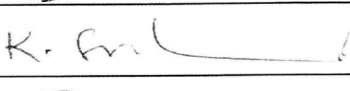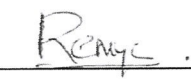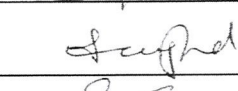
Memento presented to Resource person

Inaugural function of Three-day FDP Covered by Enadu & Sakshi Newspaper

11|3|2019 FN.

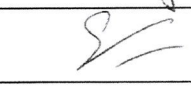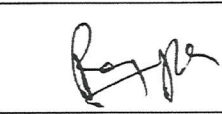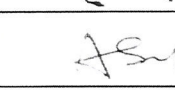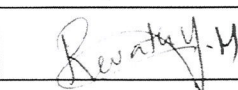| S.no	College Name	Contact Name	Signature
		List of Participants	
1	G.Pullaiah College of Engineering & Technology	Dr T Tirupal	
2	IIIT RGUKT	S. ChandraseKhar	
3	IIIT RGUKT	Md AAziz	
4	IIIT RGUKT	Md.Rafi	
5	JNTUA College of Engineering, Pulivendula	M Siva Kumar	
6	JNTUA College of Engineering, Pulivendula	K Siva Chandra	
7	JNTUA College of Engineering, Pulivendula	K Ravindra Reddy	
8	Srinivasa Ramanujan Institute of Technology	D. Marothi Kumar / Dr T Hitendra Sarma	
9	KSRM Engineering College	A. Valli Basha	
10	PVVK Institute of Technology	S Raghavendra Swami	
11	Anantha Lakshmi Institute of Technology & Science	Kumara Narayana Swmy.C	
12	JNTUA College of Engineering, Ananthapur	Dr.G.Mamatha	
13	JNTUA College of Engineering, Ananthapur	D. Lalitha Kumari	
14	JNTUA College of Engineering, Ananthapur	K. Sravan Kumar	
15	JNTUA College of Engineering, Ananthapur	K.R. Remya	
16	G Pulla Reddy Engineering College	G. Amjad Khan	
17	G Pulla Reddy Engineering College	G.SATHEESH / G Satish	
18	Rajeev Gandhi Memorial College of Engineering & Technology	Mr. P. Rangappa	
19	Madanapalle Institute of Technology & Science	Dr. A. Sudhakar	
20	J.N.T.U.A. College of Engineering, Kalikiri	M. Revathi	

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12/3/2019 FN

FDP on MACHINE LEARNING AND DEEPLEARNING WITH MATLAB

S.no	College Name	Contact Name	Email Id	Mobile No	signature
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3	IIIT RGUKT	Md AAziz	ajju198821@gmail.com		
4	IIIT RGUKT	Md.Rafi	rafi@rguktrkv.ac.in		
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7	JNTUA College of Engineering, Pulivendula	K Ravindra Reddy	ravindra.kalvapalli@gmail.com	9963315525	
8	Srinivasa Ramanujan Institute of Technology	Dr T Hitendra Sarma	t.hitendrasarma@gmail.com	9493239032	
9	KSRM Engineering College	A. Valli Basha			
10	PVVK Institute of Technology	S Raghavendra Swami		8801355305	
11	Anantha Lakshmi Institute of Technology & Science	Kumara Narayana Swmy.C	cknswamy.embedded@gmail.com	9502332852	
12	JNTUA College of Engineering, Ananthapur	Dr.G.Mamatha			
13	JNTUA College of Engineering, Ananthapur	D. Lalitha Kumari			
14	JNTUA College of Engineering, Ananthapur	K. Sravan Kumar			
15	JNTUA College of Engineering, Ananthapur	K.R. Remya			
16	G Pulla Reddy Engineering College	G. Amjad Khan		9912555105	
17	G Pulla Reddy Engineering College	G SATHEESH (G Satish)		9959071081	
18	Rajeev Gandhi Memorial College of Engineering & Technology	Mr. P. Rangappa	palle.ranga@gmail.com	9966393750 9100902076 / 9966424587	
19	Madanapalle Institute of Technology & Science	Dr. A. Sudhakar	ictcomputers.mpl@gmail.com	9440089952	
20	JNTUA College of eng Kalkeri	M. Revalthy			

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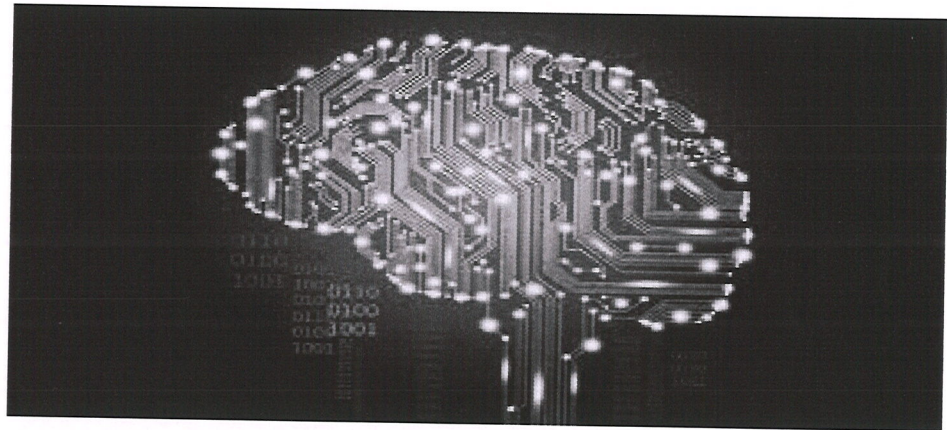ANANTAPURAMU-515002

TEQIP III

MathWorks®

Department of Electronics & Communication Engineering

JNTUA College of Engineering (Autonomous), Ananthapuramu

3 - Day Training Programme on

" Machine Learning and Deep Learning Using Matlab "

Date: 11th to 13th March 2018

Sponsored by

Capricot Technologies Private Limited in association with Mathworks and Teqip III

RESOURCE PERSONS

Mr. Vinod Thomas , Senior Trainee Engineer , MathWorks

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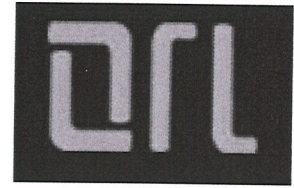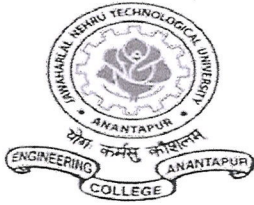<tr><td>CONVENER
Prof. P. Ramana Reddy
Head, Department of ECEJNTUA CEA
Ananthapuramu</td><td>CO-ORDINATOR
Dr. G Mamatha
Asst. Professor, Department of ECEJNTUA
CEA</td></tr>
</table>

Department of Electronics & Communication Engineering JNTUA

College of Engineering (Autonomous), Ananthapuramu

3-DAY CAREER AWARNESS PROGRAM ON "INTERNET OF THINGS"
Date: 29th to 31th August 2017

About College

JNTUA College of Engineering (Autonomous), Ananthapuramu, an esteemed Engineering College in Andhra Pradesh was established in 1946 and has been growing continuously in size with respect to intake, faculty strength, number of academic programs offered and infrastructure. It is always committed to offer value-added instruction to widen the horizon of vision for the enrichment of technical education along with skill development.

About Department

The Department of Electronics and Communication Engineering is started in the year 1974; over four decades the department has produced high-quality Engineers who have occupied coveted positions in India and abroad. Sincerity, commitment, passion, and team work are the unique qualities of the department. PG programs were introduced during the year 2001, later the department acquired research capability. The department has well qualified faculty with a right blend of experience and knowledge sharable professionals.

About Collaborating Partners

Orange Research Labs

Orange Research Labs is a start-up research firm by the students of Padmasri Dr.B.V.Raju Institute of Technology. Our services are Workshops and Projects. Our streams are Artificial Intelligence and Swarm Intelligence. At present, i'm confined to Human Resource in Orange Research Labs.Orange Research Labs provides you the best range of virtual reality, game development, arduino, 3d printer, raspberry pi & robotics with effective & timely delivery. Our vision is to incubate 20 Startup's by the year 2020 through Boot Camps. Incubation is the process where we mentor, we research, we experience, we explore, we dream your thoughts and convert it into a productive startup.

Objectives of the Program

IOT is one of the world's most emerging and fastest growing technology and any technology available right now can be merged with IOT, hence students can have many possibilities as well as opportunities.

Topics Covered

Introduction to Internet of Things (IoT)

Scope of IoT in different domains Practical Case Studies

Introduction to Raspberry Pi

Getting Started with Raspberry Pi

Python Basic Syntaxes

Android APP Controlled Home Automation

Data Analytics on Uploaded Data

Deployment of Server – Client model

mongoDB – the database enterprise

How to deploy database on real-time cloud

Target Participants

3& 4th Btech students from ECE & CSE

PATRON
Prof. K Prahlada Rao
Principal
JNTUA CEA

CO-PATRON
Dr. M.L.S Deva Kumar
Vice-Principal
JNTUA CEA

RESOURCE PERSONS
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Pvt. Ltd Chief Technology
Architect, ORL Makers Garage
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CONVENER
Prof. V . Sumalatha
Head, Department of ECE
JNTUA CEA

CO-ORDINATOR
Dr. G Mamatha
Asst. Professor,
Department of ECE
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