UPE workshop-Product Development and Commercialization using MATLAB

On

5th August 2019



Coordinated by

Dr. S. Shenbaga Devi, Director, Centre for Medical Electronics

Dr.S. Nirmala Devi, Professor, Dept.ECE

Dr. T.Jayasree, Asst. Professor, Dept.ECE

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Report on UPE workshop-Product Development and Commercialization using MATLAB

University, a one day workshop on UPE workshop-Product Development and Commercialization using MATLAB in association with Design tech, Bengaluru, has been conducted on 5th August 2019 for the benefits of faculty members, research scholars and UPE project staff members of Anna University. The workshop was conducted by the UPE - Optoelectronics and Medical Imaging team consisting of Dr. S. Shenbaga Devi, Director, Centre for Medical Electronics, Dr. S. Nirmala Devi, Professor, Department of ECE & Dr. T.Jayasree, Assistant Professor Department of ECE. Around 30 participants were benefited from the workshop.

The workshop was inaugurated by Dr. S. Shenbaga Devi, Director, Centre for Medical Electronics and special address was given by the expert member Mr. Rajkumar .D, Application Engineer, MathWorks, DesignTech Systems Ltd. The afternoon session was handled by Mr. RajKumar D focussing on web based learning methodology and app development using MATLAB.

Agenda for the Workshop

Department of Electronics and Communication Engineering College of Engineering, Guindy Anna University

Product Development and Commercialization using MATLAB

ARTIFICIAL INTELLIGENCE AND IMAGE PROCESSING USING MATLAB & Simulink

Date: 05.08.2019 (Monday) Time: 09:30 AM to 4:30 PM

Time	Agenda
	Developing and deploying Machine Learning Algorithm
	➤ Prepare data for training Machine Learning Model.
	Generate and evaluate the trained model using ML.
	 Deploy & run the model in Smartphone.
	 Load and process big data with MATLAB.
	Deep Learning Applications: Challenges and Solutions
09:30 A.M. to 01:00 P.M.	 Building deep learning applications such as object detection, semantic segmentation, signal classification.
	Manage extremely large datasets (images, videos, time-series, andtext).
	 Accelerate and automate the labelling process using apps.
	 Deploying deep learning applications using automatic code generation.
	Image Processing and Computer Vision with MATLAB
	Apps for Exploration and Pre-processing.
	Object Detection, including deep learning techniques.
	 3DVolume Visualization and Segmentation.
01:00 P.M. to 02:00 P.M.	Lunch Break
	Hands-on session (Deep Learning Onramp)
	1. Introduction - Deep Learning Concept
02:00 P.M. to 04:15 P.M.	2. Using Pretrained Networks - classifications using a network (CNN Architecture)
02.001.101.10.04.131.101.	3. Managing Collections of Data - classifications using a network (Datastores)
	4. Performing Transfer Learning - Modify a pretrained network to classify images into
	specified classes
	5. Conclusion
04:15 P.M. to 04:30 P.M.	Developing and Deploying Analytics for IoT Systems using Matlab and Simulink

Approval Letter

From

02.08.2019

Dr.T.Jayasree, Assistant Professor, Department of ECE, CEG, Anna University Chennai- 600025.

To

The Head of the Department, Department of ECE, CEG, Anna University Chennai- 600025.

Respected Sir,

Sub: - 1. Utilization of Mini Auditorium for workshop on 05.08.2019

2. Utilization of furniture from Medical Electronics Lab-Req-Reg

This is for your kind information that 'UPE workshop-Product Development and Commercialization using MATLAB' is scheduled on 05.08.2019 in the Department of ECE for 30 participants. We kindly request you to give necessary permission to use the MINI Auditorium for the forenoon session. The Afternoon session is scheduled in Optoelectronics and Medical Imaging Lab, since there are 30 participants we kindly request you to give necessary permission to use some furniture's from the Medical Electronics lab.

Thanking You

Yours faithfully

T.JAYASREE

@ Way Prolle

Request letter to RCC for web support

From

03.08.2019

Dr.T.Jayasree, Assistant Professor, Department of ECE, CEG, Anna University Chennai- 600025.

To

The Director, Ramanujan Computer Centre, Anna University, Chennai-600 025.

Through Proper Channel

Respected Sir,

Sub: Web portal open for workshop-Req -Reg

This is for your kind information that "UPE workshop-Product Development and Commercialization using MATLAB" is scheduled on 05.08.2019 in Optoelectronics and Medical Imaging lab, Department of ECE. In this connection the hands-on session is conducted through online from the link https://in.mathworks.com/learn/tutorials/deep-learning-onramp.html. We kindly request you to make necessary arrangement to view this link for our workshop.

Thanking You

FORWARDED

Yours faithfully

T.JAYASREE

College of Engineering, Anna University, Chemiar - 25.

Attendance List

UPE workshop

Product Development and Commercialization using MATLAB 05.08.2019

ATTENDANCE LIST

S.No	Name of the Faculty	Institution Name	Signature
1.	O. RUBIN BOSE	Research Scholar/ Madras Institute of Technology	137
2.	S. ANANDH	UPE-TA Dept of Medical Physics	8. 1
3.	P. Udayer Prasenth	JRF /ECE	Pupla.
4.	Sophia Rachel Dramond		Sophi Du
5.	T. CORMILA	CEG - M.E. Student	G&
6.	BINDHU A	CEG / RS, ECE	d.mas
7.	J. SUMATHI.	Research Scholar / HIT-campu	3. Suati-
8.	S.ANUBHA PEARLINE	Research Scholar/ MIT Campus	Sungha
9.	S. Sangvana Camaz	TA	8370
10	Ezhil Venthan. k	TA	p. Gled of
11	Santhosh A.R	TA	\$
12	VENLATESH &	TA	K-Veheter
13	S. PURNIMA	Research scholar/ CEG Campus	S. Protothe
14	Saranya .s	TF LECE.	Rodlys
15	P. Parameshwari	TF/ECE	R. Part

UPE workshop

Product Development and Commercialization using MATLAB 05.08.2019

ATTENDANCE LIST

S.No	Name of the Faculty	Institution Name	Signature
16.	P. Steffi Snow	PF /ECE	Aish
17.	V.N.GNANA SURYA	Student / M.E (Medical Electronical	I R way
	A. ABISHEK	STUDENT - H. E. BIOHEDICAL ENGIGE.	Liver
19.	R.Priyadharshini	Student - ME/Biomedical Enginering	Panye
20	S. Abieannie	Student - ME/Biomedical Engineering	Ahrin .
21	Agunran P	Student - M.E/Biomedical	Ajolf.
22	Shreemathi. R	Student - M. E/Biomedical	Sylvi.
23	Sashi Kumar	Student -M.E/Biomedical Eugg. Student -M.E/Biomedical Eugg.	Oneli
24	Nandhu Bharani	Student -M. E/Biomedical Engg.	ABL
25	Karya. G.S.	Student-M.E/Biomedical	Dup.
26	Elixabeth Helan. J	Student - M. E/Biarnedical Enga.	15 Walet lat
27	Karlya. V.B	Student - M.F Bromedical Engineering	V.B. Karrixa
28	Giunapuija · M	student - M. E. Blomedial &	M. Gurafufr
29	Eveline Scuetha. S	Student - M.E Biomedial Engineering	Evelie Smoke
	Jesila	student - M. E Biomedical Engineering	4 e Mil
		0.55	U

UPE workshop

Product Development and Commercialization using MATLAB

05.08.2019

ATTENDANCE LIST

S.No	Name of the Faculty	Institution Name	Signature
31.	S. Pseetha	ME - MEDICOL Student - ELECTRONICS	SAH.
82	N. Lakshmi	Student - ME Biomedical Engineering	Lakshmi.
33.	Nivetha.D	Student - ME Biomedical Engineering	Nethe
34.	Mahalakshmi.N	Student - ME Biomedical Engineering	N. reahalakehmi
35.	A.AHZINAM	Student - ME Biomedical	Dulf;
36	SOUNDARYA.	stadial - ME - MEDICAL ELECTRONICS	Jack. Ru
37	SYED MUSTHAFA	Student - M.E - MEDICAL ELECTRONICS	Nepollin
38/	NIZISHA SHAZIL	Research Scholar - ECE	rofile
39/	A. Janani	RI-ECE	(A)
400	J. Angelin Seba	RS - ECE	#
41		STUDENT - ME BIONEDICAL ENGINEERINGI	T-Depolity
42.	A. Christy Precilla	Student - Medical Electronics.	A. Chifhelle.
43.	BINDHUJA JEMI BHARAT	STUDENT - ME BIOMEDICAL ENGINEERING	Budbyjar
AH.	M SAMEERA FATHIMAL	STUDENT - M.E (MEDICAL ELECTRONICS)	U. Cunera Tathin.
45/	C. KRISHNAKUMARI	TF-FCE	c. knist

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UPE workshop

Product Development and Commercialization using MATLAB 05.08.2019

ATTENDANCE LIST

S.No	Name of the Faculty	Institution Name	Signature
46.	P. SUGANTHI	Student - H.E / Medical electronics	
A7.	Abinaya Sundari R	RS - ECE	RAL
0	Heera	ME (madical Stechnonics)	gul
49.	Nivetha 18	M·E (medical sectronics)	E.
50	Swetta R	HE (Medical Electronics)	Settel
30	R.S. Deepika Devo.	M. E (Medical Electronics).	Deep Mi.
52	P.Manimegalai	M.E (Medical electronics)	Pollusar
53.	M.Arandhakumar	ME (medical electronics)	M. Arorallados
54.	P. Anus uya devi	ME (Medical Electronice)	by York.
55	M. MOHANAVALLI	ME[MEDICAL ELECTRONICS]	M. Mohanavall
56.	Dessee	ME (Biomedical Engineering)	da
St.	Dineral Rabs	ME (Ris Medical Engineerity) ME (Medical Electronia)	82%.
58.	1 11-20/00	ME (Medical Electronia)	Queebal
59.	Chitra M. Das	ME (Medical Elubronics)	
60	RAMAPRABHA R	RS. COMMUNICATION SYSTEMS	R. Day

Feedback form

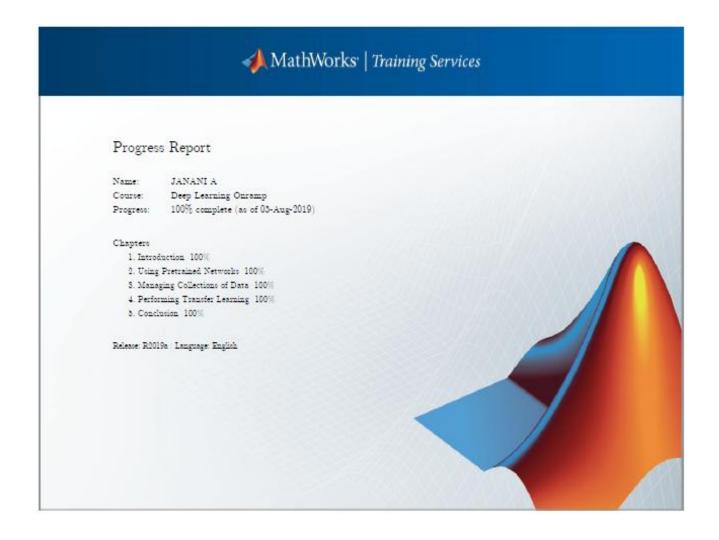
UPE ONE DAY WORKSHOP

PRODUCT DEVELOPMENT AND COMMERCIALIZATION USING MATLAB

(5th AUGUST 2019)

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UNDER THE	AEGIS OF UGC-UPE P	ROJECT, ANNA	UNIVERSITY
	Workshop eva	luation form	
1. Did the workshop	achieve the programme	objectives?	
Yes	No		
2. Was the overall f	low of the workshop well s	tructured?	
Yes	No		
3. Knowledge and i	nformation gained from pa	articipation in this work	kshop
Met your exp	pectations	Yes	No
Will be usefu	ul / applicable in my work	Yes	No
4. Was the level of	information provided appro	opriate?	
	Yes No		
5. Comments and s for the future	suggestions (including acti	vities or initiatives you	u think will be useful,
Found the warming apps	orkshop very useful available in Katlah two the workshop.	e 1 didn't kr	now there were
	Thoule		
	Thank	Signature:	rofe
		Name and Address:	NIJISHA SHAJIL Research Scholar Dept. of ECE Anna University

Progress Report



Certificate

