



FACULTY DEVELOPMENT PROGRAMME

On

“Recent Innovation in Medical Image Processing and Communication Engineering Using MATLAB & NS2”

- **Event Duration:** 28th Jan to 1st Feb 2019
- **Venue:** Department of ECE, RRCE, Bengaluru
- **Objective of FDP :** The main objective of the interaction between industry and academia is to improve the research and development activities to provide a forum to exchange views, ideas & the latest innovations in the field of Medical Image processing & Communication Engineering using MATLAB and NS-2. To make the faculties to train the students to generate interest among the them towards the field of Medical image processing and Communication Engineering and to encourage the students to take-up related projects with their academic environment
- **Resource Persons:**
 1. **MR.ANANTHA PADMANABHA**
Research Assistant Psychiatry Project Wing, NIMHANS, Bangalore
 2. **MR.NITHIN.K**
Network Design Engineer, Impulse Systems, Bangalore
- **Program Schedule**

DAY 1: 28-01-2019

TIMINGS	PROGRAMME DETAILS
9:30 AM to 10:30 AM	Inauguration Function
10:30 AM to 10:45 AM	Tea Break
10:45 AM to 12:45 PM	Introduction to WSN
12:45 PM to 1:30 PM	Lunch Break
1:30 PM to 2:45 PM	Installation of NS2 software
2:45 PM to 3:00 PM	Tea Break
3:00 PM to 4:00 PM	Introduction to NS2

DAY 2: 29-01-2019

TIMINGS	PROGRAMME DETAILS
9:00 AM to 10:30 AM	Simulation of Wired & Wireless networks
10:30 AM to 10:45 AM	Tea Break
10:45 AM to 12:45 PM	Contd.. Simulation of Wired & Wireless networks
12:45 PM to 1:30 PM	Lunch Break
1:30 PM to 2:45 PM	Performance Analysis: Awk Script, throughput, Delay, PDF, Energy, Xgraph
2:45 PM to 3:00 PM	Tea Break
3:00 PM to 4:00 PM	Patching External codes

DAY 3 : 30-01-2019

TIMINGS	PROGRAMME DETAILS
9:00 AM to 10:30 AM	MATLAB Basics
10:30 AM to 10:45 AM	Tea Break
10:45 AM to 12:45 PM	Image Processing Basics
12:45 PM to 1:30 PM	Lunch Break
1:30 PM to 2:45 PM	MATLAB based Image Processing Functions
2:45 PM to 3:00 PM	Tea Break
3:00 PM to 4:00 PM	Contd.. MATLAB based Image Processing Functions

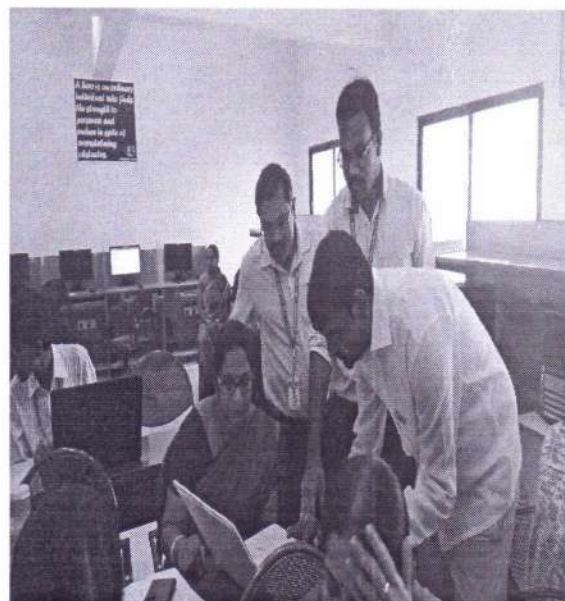
DAY 4: 31-01-2019

TIMINGS	PROGRAMME DETAILS
9:00 AM to 10:30 AM	Image Denoising, Image enhancement
10:30 AM to 10:45 AM	Tea Break
10:45 AM to 12:45 PM	Morphological Operations
12:45 PM to 1:30 PM	Lunch Break
1:30 PM to 2:45 PM	Object Detection Using Computer vision toolbox, Image Cryptography
2:45 PM to 3:00 PM	Tea Break
3:00 PM to 4:00 PM	Bio medical Image Processing MRI and Retinal Image Analysis

DAY 5: 01-02-2019

TIMINGS	PROGRAMME DETAILS
9:00 AM to 10:30 AM	Introduction to Machine learning and Deep learning
10:30 AM to 10:45 AM	Tea Break
10:45 AM to 12:45 PM	Support Vector Machine and Artificial Neural Networks
12:45 PM to 1:30 PM	Lunch Break
1:30 PM to 2:45 PM	Valedictory Function
2:45 PM to 3:00 PM	Tea Break

- **Mode of Event:** Inter department level
- **No. of Participants enrolled :**35
- **Outcome of the Event:** Participants were able to use MATLAB and NS-2
 - Basics of image processing using MATLAB
 - Recent Technologies in Image Enhancement, De-noising ,Edge detection and Segmentation
 - Disease diagnosis using MRI, Retinal image analysis
 - Basics of machine learning and ANN using MATLAB
 - Basics of WSN using NS-2 tool
 - Simulation of wired and wireless Networks
 - Performance analysis and patching external nodes





No.	Name & Designation	College	28.01		29.01		30.01		31.01		01.02	
			FN	AN	FN	AN	FN	AN	FN	AN	FN	AN
22.	Jyothi AP A.P	RRCE	JAP	JAP	JAP	JAP	JAP	JAP	JAP	JAP	JAP	JAP
23.	Girish Big data Developer	Western Global Company Bangalore	G	G	G	G	G	G	G	G	G	G
24.	Prashanth BSc	-	-	-	-	-	-	-	-	-	-	-
25.	Pranika B.	EWIT	P	P	P	P	P	P	P	P	P	P
26.	N. Suresh	RRCE	N	N	N	N	N	N	N	N	N	N
27.	Pooja S.S	RRCE	P	P	P	P	P	P	P	P	P	P
28.	Tanya A.N	KRCE	T	T	T	T	T	T	T	T	T	T
29.	Santhosh P	RRCE	S	S	S	S	S	S	S	S	S	S
30.	Swetha T.N	SJCIT	S	S	S	S	S	S	S	S	S	S
31.	Manjunath Y.R	SJCIT	M	M	M	M	M	M	M	M	M	M
32.	K.N. Srivani	SJCIT	K	K	K	K	K	K	K	K	K	K
33.	Pavithra	SJCIT	P	P	P	P	P	P	P	P	P	P
34.	B. Bhasker Reddy	BITES	B	B	B	B	B	B	B	B	B	B

35.

FDP- Feedback Form

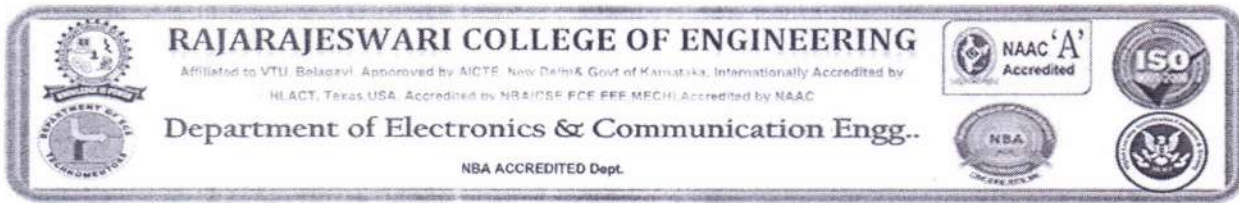
Five Days Hands-on FDP on
“Recent Innovation in Medical Image Processing and Communication
Engineering Using MATLAB & NS2”

on
28th January - 1st February 2019

Please give your rating for each question, in the range 1 to 10

(Being lowest and 10 being highest)

Sl.NO		Rating
1.	How did you come to know about the FDP? Brochure received by your college <input type="checkbox"/> >By faculty <input checked="" type="checkbox"/> >By College banner <input type="checkbox"/>	10
2.	How satisfied were you with the FDP materials provided?	9
3.	How many sessions did you attend?	9
4.	Overall, how satisfied were you with the speakers/presenters?	10
5.	Overall, how satisfied were you with the FDP facilities?	10
6.	To what extent content of FDP sessions were appropriate and informative	9
7.	How was the FDP organized and were staff helpful and courteous.	10
8.	How would you rate this FDP compared to other FDPs of this type that you have attended?	10
9.	What kinds of sessions would you like to see included at future FDPs. <i>Machine learning with practical session</i>	10
10.	What did you like most about the FDP <i>Image processing practical session</i>	
11.	What areas need improvement? —	



FDP- Feedback Form

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Sl.NO		Rating
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2.	How satisfied were you with the FDP materials provided?	7
3.	How many sessions did you attend?	All
4.	Overall, how satisfied were you with the speakers/presenters?	10
5.	Overall, how satisfied were you with the FDP facilities?	10
6.	To what extent content of FDP sessions were appropriate and informative	8
7.	How was the FDP organized and were staff helpful and courteous.	10
8.	How would you rate this FDP compared to other FDPs of this type that you have attended?	7
9.	What kinds of sessions would you like to see included at future FDPs. FDP must include how to write the program and not about giving the program & running it	
10.	What did you like most about the FDP How to understand the program, about object files & source files.	
11.	What areas need improvement? -	