

to VTU, Belagavi, Apporoved by ACTE, New Delhi& Govt of Karnataka. Internationally Accredited in MAAC

Department of Electronics & Communication Engg..

BA ACCREDITED Dept









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 Pychiatry Project Wing, NIMHANS, Bangalore

2. MR.NITHIN.K

Network Design Engineer, Impulse Systems, Bangalore

Program Schedule

DAY 1: 28-01-2019

| PROGRAMME DETAILS |
|------------------------------|
| Inauguration Function |
| Tea Break |
| Introduction to WSN |
| Lunch Break |
| Installation of NS2 software |
| Tea Break |
| Introduction to NS2 |
| |

| 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 |

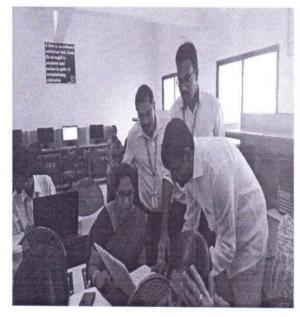
DAY 5: 01-02-2019

| 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
 - Decease 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













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Attendance sheet

Five Days FDP on

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

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FDP- Feedback Form

Five Days Hands-on FDP on
"Recent Innovation in Medical Image Processing and Communication
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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)

| SI.NO | | Rating |
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| 1. | How did you come to know about the FDP? | |
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| 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. | ю |
| 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. Machine leaving with practical Session | En En |
| 10. | What did you like most about the FDP image processing practical session | |
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