# Goa College of Engineering

Farmagudi, Ponda—Goa 403401

## Department of Electronics & Telecommunication Engineering

### AICTE - ATAL sponsored Faculty Development Programme

## Recent Trends and Opportunities for Research in Electronics and Computer Science Engineering

The 5-day hands-on training program is aimed at fostering research and innovations in the area of advanced Image and Video Processing, Advanced Control Systems, Biomedical Signal processing using state of the art techniques such as AI, ML and latest platform. The FDP is sponsored by the All India Council for Technical Education(AICTE) Training and Learning (ATAL) Academy.

**Date**
May 24th to 28th, 2021

**Time**
9:30AM –4:30 PM (IST)

Open to Registered Participants

**CHIEF GUEST**

**Dr. Vivek B. Kamat**
Director
Directorate of Technical Education, Goa

**Dr. Rajesh B. Lohani**
Principal
Goa College of Engineering

**Dr. H. G. Virani**
Head, Dept. of E&TC
Goa College of Engineering

**Dr. Samarth Borkar**
Coordinator
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G. Narayanamma Institute of
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(AUTONOMOUS)
Shaikpet, Hyderabad - 500 104.

# Recent Trends and opportunities for research in Electronics and Computer Science
## 24th May to 28th May 2021
### Department of Electronics and Telecommunication Engineering
### Goa College of Engineering

| Session | Day 1<br>24th May '21 | Day 2<br>25th May '21 | Day 3<br>26th May '21 | Day 4<br>27th May '21 | Day 5<br>28th May '21 |
|---|---|---|---|---|---|
| I<br>9:30 am<br>to<br>11:30 am | Introduction to Research in Engineering.<br>How and Why:<br>Dr. P. S. Londhe | Evolution of Pattern Recognition –I<br><br>Dr. A. V. Nandedkar | Evolution of Pattern Recognition –II<br><br>Dr. A. V. Nandedkar | Research Trends and avenues in Advanced Control Systems Fuzzy logic control in nuclear reactors<br>Dr. P. S. Londhe | Research Article writing with LATEX<br>: Basics<br><br>Dr. P. S. Londhe |
|  | Day 1 Session 1 | Day 2 Session 1 | Day 3 Session 1 | Day 4 Session 1 | Day 5 Session 1 |
| II<br>11:40 am<br>to<br>1:30 pm | Detection of Diabetic Retinopathy Using computer vision<br>Dr. R. M. Kamble | Research Trends and opportunities in Video Analysis<br>Dr. S. D. Bansod | Research Methodology<br><br>Dr. R. B. Lohani | Research tools using Artificial Intelligence and Machine learning<br>Dr. S. D. Bansod | Research Article writing with LATEX<br>: Advanced<br>Dr. P. S. Londhe |
|  | Day 2 Session 2 | Day 2 Session 2 | Day 3 Session 2 | Day 4 Session 2 | Day 5 Session 2 |
| III<br>2:30 pm<br>to<br>4:30 pm | Single trial estimation of visual evoked potentials in time frequency domain<br>Dr. S. V. Bonde | Design aspects of wavelet filters.<br><br>Dr. S. V. Bonde | Joyful working : Marching ahead for Success<br><br>Dr. N. S. Jadhav | Recent Trends and Application of Artificial Intelligence (AI) in Healthcare<br>Dr. R. M. Kamble | 1. FDP Test (min. 60%)<br>2. Attendance (min.80%)<br>3. Feedback of FDP<br>**Valedictory**<br>Vote of Thanks |
|  | Day 1 Session 3 | Day 2 Session 3 | Day 3 Session 3 | Day 4 Session 3 |  |

Visit the FDP YouTube Channel and subscribe: https://youtu.be/69E6OzjK41s

links of the session

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**2020-21**

**REPORT**

## FDP on " Recent Trends and Opportunities for Research in Electronics and Computer Science Engineering"

Date of program: 24-05-2021 to 28-05-2021

Resource person: Dr. P. S. Londhe, Dr. A. V. Nandedkar and Dr. R. M. Kamble

About the Program:

The Faculty Development Program on "Recent Trends and Opportunities for Research in Electronics and CSE" aimed to provide educators and researchers in the field of Electronics and Computer Science Engineering with insights into the latest developments, emerging trends, and potential research opportunities. The program comprised a series of lectures, like AI and ML , Internet of Things and Cyber Security on so on with  interactive sessions conducted by the resource persons. Also the FDP encouraged participants to leverage online platforms and resources to stay updated on emerging trends.

Submitted by
M.Sridevi, Asst.Prof, IT

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