

**Guest Lecture on Signal Processing**

**2<sup>nd</sup> April, 2016.**

**Organized by**

**Department of ECE**

**Sponsored by:**

**RISE KRISHNA SAI PRAKASAM GROUP OF INSTITUTIONS::ONGOLE**

**RISE KRISHNA SAI PRAKASAM GROUP OF INSTITUTIONS (8A):: ONGOLE**

**(Approved by AICTE New Delhi, Affiliated to JNTU Kakinada)**

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION & ENGINEERING**

**GUEST LECTURE REPORT**

---

**Organized by:** Department of ECE, RISE Krishna Sai Prakasam Group of Institutions

**Speaker:** Mr. P. Ramesh Babu

**Designation:** HOD of Electronics and Instrumentation Engineering at Pondicherry University

**Venue:** RISE INDIA

**Date:** 02-04-2016

**Time:** 9.00 A.M to 01.20 P.M

**Topics Discussed:**

1. Introduction to Digital Signal Processing
2. Discrete time signal and digital signals
3. Different types of signals and systems
4. Fourier Series and Discrete Fourier Series
5. Fourier Transform and Discrete Fourier Transform

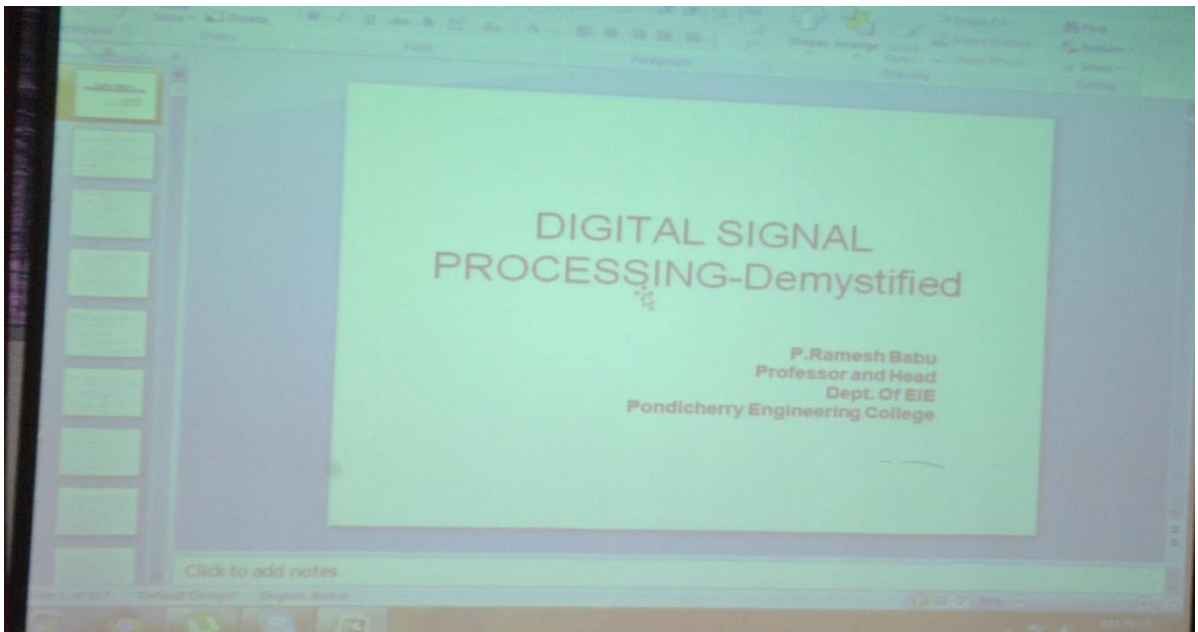
All the students of B.Tech II & III ECE have attended the session.

**About the speaker:** Rise Krishana Sai Prakasam Group of Institutions organized a guest lecture on Digital Signal Processing for 2<sup>nd</sup> and 3<sup>rd</sup> year students. The Speaker for the lecture was Mr. P. Ramesh Babu ,who is presently working as HOD of Electronics and Instrumentation Engineering at Pondicherry University for



past 14 years .His specialization in Signal Analysis. He has been in the teaching for the past 22 years and teaching exclusively and also research on Digital Signal Analysis. He also published text books on Signals and Systems, also Digital Signal Processing, Network analysis, Control Systems and Electronic Circuit Analysis.

# Inauguration



## About the Lecture

He initiated his first lecture session with overview of Digital signal processing and his emphasis was more on applications in area of Digital signal processing. The session was made interactive by thought provoking questions posed by Mr P. Ramesh Babu to the student audience for example what is mean by quantization. For which convincing answers were given by the student audience.





Later he discussed the importance of Digital Signals in the present and also covered the topics of “Classification of Discrete Time Systems, Concept of Discrete Fourier Series and also Concept of Discrete Fourier Series Linear system, impulse response, Response of a linear system, Linear Time Invariant (LTI) system, Causality, stability, Discrete Fourier series and Discrete Fourier Transforms. At the end of session the students asked the doubts about the covered topics and he clarifies the student’s doubts.

The lecture has proven to be very inspiring and informative for the students.



## Felicitation



### Organizing Committee:

- Mr. N. Thirumalesh
- Mr. E. Chiranjeevi
- Mr. M. Bala Subrahmanyam
- Mr. P. Venkatrao
- Mr. Ch. Anil Babu
- Mr. G. Subhash