



NARAYANA ENGINEERING COLLEGE:: NELLORE

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Report on Bridge Course

Title: IC Fabrication Process

Date: 05/01/2019 & 19/01/2019

Branch: ECE

Year/Sem: III/II

Department of ECE conducted a bridge course entitled “**IC Fabrication Process**” for III-B.Tech ECE students on **05/01/2019 & 19/01/2019**. The course was conducted for two days from 9:00AM to 1:00PM. The entire course was handled by **Dr. K. Murali**, Professor and Head of the department ECE. The objective of this course is to give basic knowledge on Fabrication process of Integrated Circuits.

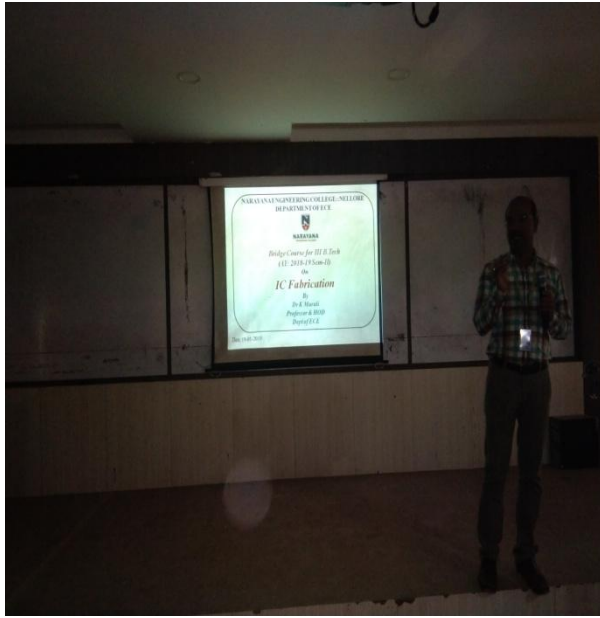
The topics covered under this bridge course are:

On 05/01/2019:

- Evolution in IC Technology
- Critical issues in the design of IC fabrication
- Wafer production and properties of silicon wafers
- Cristal growth, epitaxial oxidation

On 19/01/2019:

- Ion implantation
- Etching, doping, metalization & deposition
- Lithography and back-end processing
- Factors effecting the power consumption
- Modern CMOS technology



Dr. K. Murali, professor & HOD of ECE was explaining about interconnection to IC and fabrication steps in IC to the students.