



NARAYANA ENGINEERING COLLEGE:: NELLORE



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

(ACADEMIC YEAR: 2019-20)

REPORT ON BRIDGE COURSE

Title : IC FABRICATION PROCESS

Date : 04/01/2020 & 06/01/2020

Branch : ECE

Year/Sem : III/II

Department of ECE conducted a bridge course entitled “**IC Fabrication Process**” for III-B.Tech ECE students on **04/01/2020 & 06/01/2020**. The course was conducted for two days from 9:00AM to 12:40PM and from 2:00PM to 5:00PM. The entire course was handled by **Dr.M.Chandra Mohan Reddy**, Professor of ECE department. The objective of this course is to give basic knowledge on Fabrication process of Integrated Circuits and its real time applications.

The topics covered under this bridge course are:

On 04/01/2020 :

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

On 06/01/2020 :

- Ion implantation
- Photolithography
- Isolation Techniques, Etching, doping & deposition
- Metallization, Assembly Processing and Packaging



Resource Person explaining about evolution of IC Technology



Dr.M.Chandra Mohan Reddy, Professor of ECE department explaining about Fabrication Process of Integrated Circuits



Dr.M.Chandra Mohan Reddy, Professor of ECE department explaining about real time applications of Integrated Circuits