

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE

An Autonomous Institution

Approved by AICTE, New Delhi & Affiliated to JNTUA, Anantapur
Accredited by NBA, Recognized under section 2(f) & 12(B) of the UGC act 1956
World Bank funded Institute, An ISO 9001-2008 Certified Institution
First Recognized Research Centre under JNTUA, Recognized as SIRO by DSIR

Report on “Electronics Systems Design-Challenges and Opportunities”

Organised by Dept of ECE, 1 November 2014



Submitted by: Dr. J.L Mazher Iqbal, Professor, Dept. of ECE

ECE Department conducted a training program on “Electronics Systems Design-Challenges and Opportunities” on 01-11-2014 in Seminar Hall for MITS faculties.

The resource person was: **Dr. Cyril Prasanna Raj, Dean (R&D) and Professor, M.S. Engineering College, Bangalore.**

Dr. Cyril Prasanna Raj is in-charge for R&D activities at MSEC, involved in industry, Research collaboration and carrier development training. He is a professor with 15 years of teaching and research experience in the area of System level design and modeling of signal and image processing applications, VLSI design, SOC design, sensors and Instrumentation focusing on Nano-electronic circuits and sensors for biological applications. He is also director of company Aaron Research Labs, Bangalore.

The main focus of the program was to motivate and create awareness among the students on opportunity available in VLSI industry.

The speaker spoke in detail about the image fusion technique using his own VLSI design tool. The VLSI tool is similar to cadence and is very economical, easily accessible.

He explained about some of his funded project such automatic glass cleaning-mini robot etc. He motivated the students to join technical forums to get visibility and industrial exposure. A video on VLSI technology is presented during the program. The program was interactive and addressed the following topics:

- Scope of VLSI
- Career guidance
- FPGA, CPLD
- Image fusion techniques on FPGA
- Embedded System and Cadence tool