



**BIT MESRA STUDENTS' CHAPTER (ECE)**  
**The Institution of Engineers (India)**



Ref. No. IEI/BIT/ECE/2016/01

Dated: 14 Jan 2016

**Notice**

A series of lectures on special topics have been planned to disseminate technical know-how and share knowledge base through public lectures/talks. The lecture series are mainly intended for members of IEI students' chapter. However, all interested students and faculty members are cordially invited to participate and take benefit of the same. The special topics, dates and times are given below:

Sl. No.	Date	Topic
1.	18/1/2016	Fundamental of modern VLSI devices (basics of MOSFETs)
2.	19/1/2016	Dennard's Scaling theory and modern scaling theory
3.	20/1/2016	Side effects of technology scaling
4.	27/1/2016	Design rules and physical layout
5.	28/1/2016	MOSFET modeling
6.	03/2/2016	Characterization of Hi-skewed and LO-skewed CMOS inverter
7.	04/2/2016	CMOS inverting amplifiers: active PMOS load and current-source load
8.	05/2/2016	Common source amplifiers
9.	16/2/2016	Cascode amplifier
10.	17/2/2016	Current sink amplifier
11.	19/2/2016	Differential amplifier
12.	20/2/2016	Two-stage operational transconductance amplifier (OTA)
13.	21/2/2016	SRAM and its design metrics
14.	22/2/2016	Need for non-volatile semiconductor memory

Speaker: **Dr. Aminul Islam**, Asst. Professor, Dept. of ECE, BIT, Mesra.

Objective: To disseminate technical know-how and share knowledge base through public lectures/talks.

Audience: All interested students and faculty members

Venue: Seminar hall -II (R & D building)

Time: 5:10 p.m. to 6:10 p.m.

(Dr. V. Nath) 14-01-2016

Asst. Professor  
Advisor



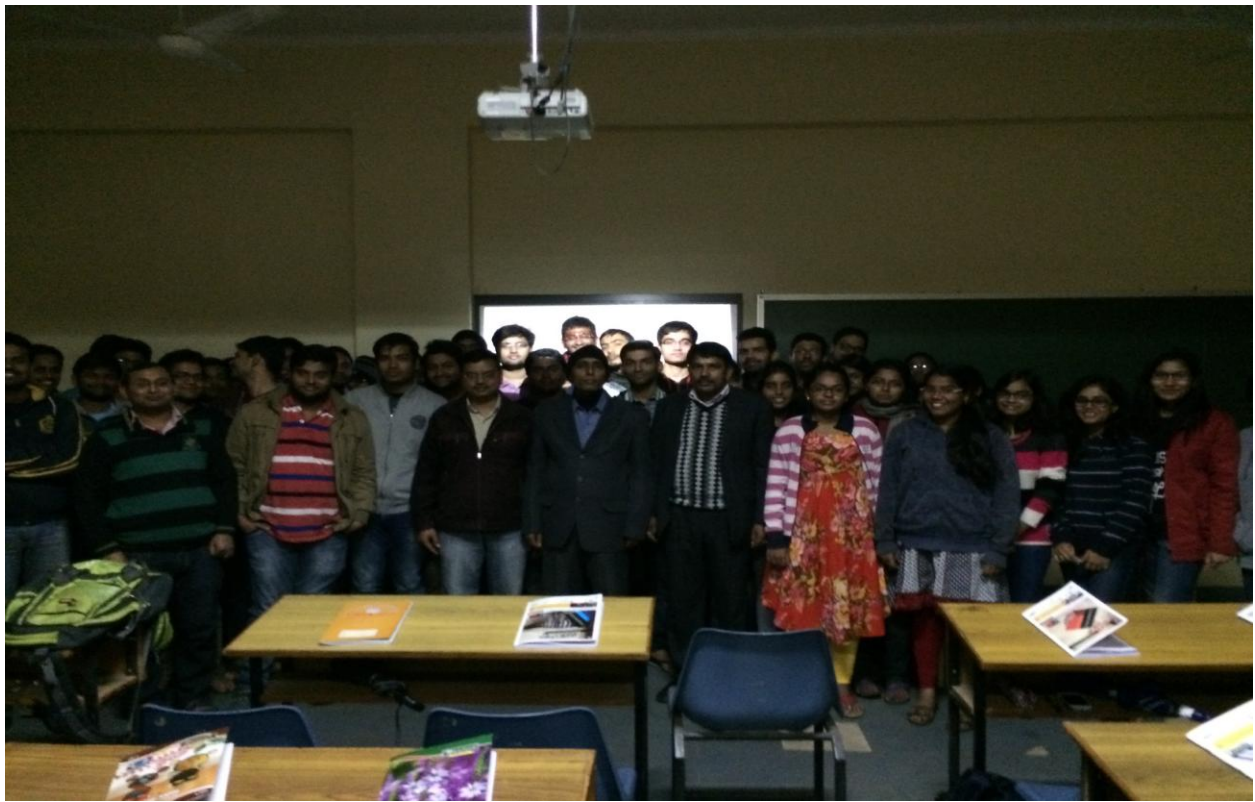
(Dr. V. R. Gupta) 10/1/16

Professor  
Head of the Department

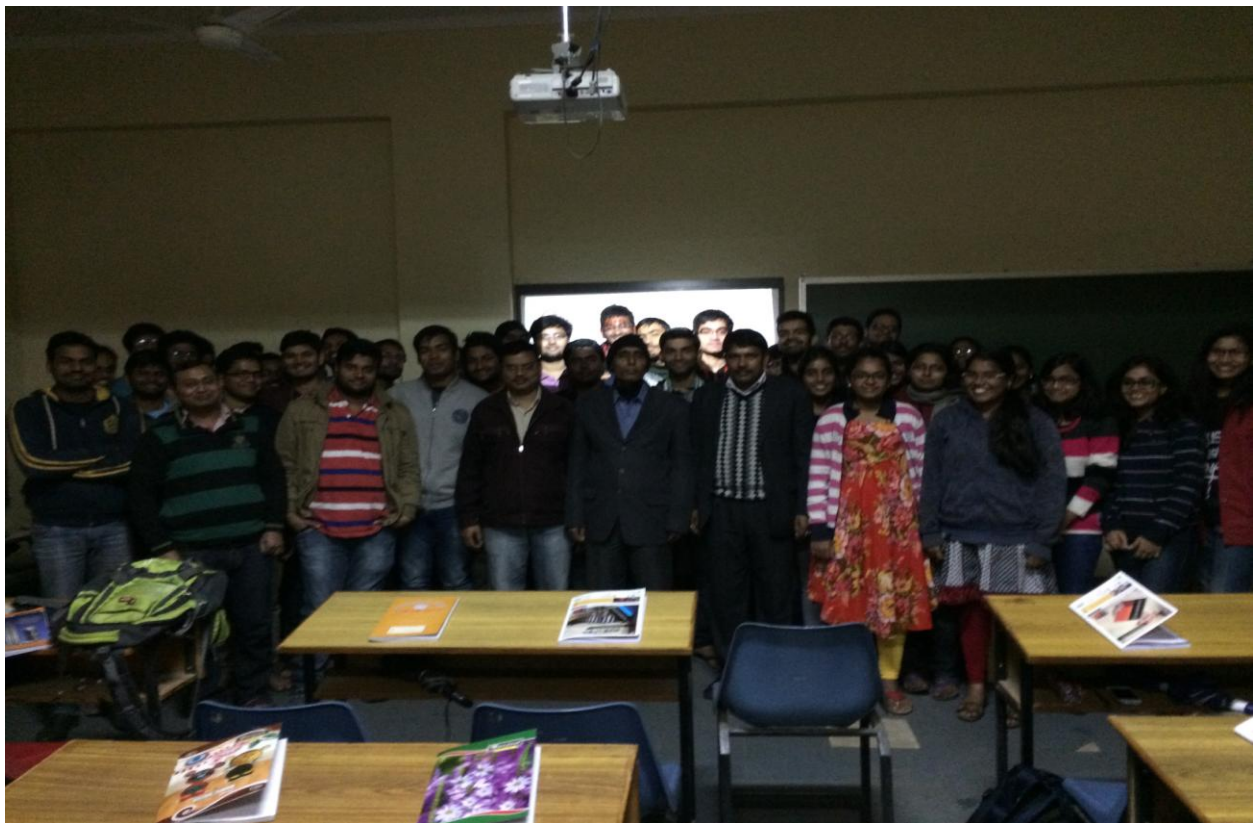
Copy to:

- (a) All heads of the departments
- (b) Notice board
- (c) File copy

N.B. Interested students/faculty members may register (free) their names for the same by sending name and department through email to Dr. Aminul Islam (email: aminulislam@bitmesra.ac.in)



A group photograph of inaugural session of Lecture series on 18-01-2016



A group photograph of inaugural session of Lecture series on 18-01-2016



IEI supporting ECE Faculty members (From Left **Prof. Vijay Nath, Prof. Aminul Islam & Prof. Manoj Kumar Mukul** )