

# MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE

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## Report on Guest Lecture on “Optical Communication” under TEQIP-II Conducted on 05.09.2014



A Guest Lecture on “Optical Communication” under TEQIP-II was conducted for IV- ECE students on 05-9-2014 by **Dr.T. Srinivas**, Associate Professor, IISc, Bangalore.

Report submitted by: **R. Ravindraiah**, Asst.Professor - Department of Electronics and Communication Engineering

The lecture includes:

- i. **Basics of Optical Communication**
- ii. **Fibre classification and characteristics**
- iii. **Photonics**
- iv. **Integrated optics using MEMS.**

**Dr.T. Srinivas** has given a brief lecture on the above listed concepts. He spoke on the development of Optical Communication from early 19<sup>th</sup> century to till date. The lecture was quite interactive and students gained much knowledge on the current trends and development in optical communication. He insisted that the foreign countries are utilizing the optical applications much as they far excellent than coaxial cables and other modes of communications. He further indicated the lack of utilization of these technologies in India at present. Comparative analysis of Fibre Communication over Wired Coaxial cable Communication is made.

The Expert also suggested students to take membership of professional societies like IEEE. Through it one can gain knowledge on recent trends and developments in science and technology. He further suggested to go for doctorate programs in IITs so as to excel in their future.

Dr.T. Srinivas visited R & D laboratory. Dr.S.A.K. Jilani briefed about the Embedded projects done by the passed out UG and PG students and given a glance of Intra and Inter departmental projects. He appreciated the research activities of the department and given assurance of his support for the development of the department in the future.