

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE
(UGC - AUTONOMOUS)

One Day Guest Lecture on
New Construction Materials for Roads And Buildings
Organized Dept of Civil Engineering & III Cell - MITS
Under TEQIP II
28 February 2017



Report submitted by: Mr Ganesh S S Y, Teaching Assistant, Dept. of Civil Engineering, MITS

Guest Speaker: Dr Amarendra Kumar Sandra, Associate Professor, Civil Engineering Department, *IIT RK Valley*, RGUKT-AP

Participants: All 2nd & 3rd year B.Tech., Head of the Department & the faculty members of Civil Engineering.

The session was started at 10.30AM. Mr Ganesh S S Y, presented a brief introduction about the resource person to audience. Dr Amarendra Kumar Sandra, resource person of the program, explained about recent advances in Civil Engineering in terms of new materials used in road construction, new alternate forms of bitumen, soil stability techniques and also stress distribution in pavement due to a wheel load.

He explained the availability of various new road materials and e-conventional pavement materials and on the construction progress by using those materials focusing on few case studies (undergoing works in India). He also stressed on the importance of ongoing Highway construction projects in India.

He reiterated that the students need to build their technical knowledge and increase the use of locally available materials in concrete design. He kept all the students and other faculty members more interactive with his lively talk. The students got clarification from speaker's talk regarding the new construction materials for roads and buildings, new type of concrete mix design, mini project, internship etc. The session was completed at 12.30 PM. Vote of thanks was proposed by Mr G Balamurugan, Teaching Assistant, Dept of Civil Engineering.