

BABARIA INSTITUTE OF TECHNOLOGY, VARNAMA, VADODARA (005)

REPORT OF EXPERT LECTURE

Academic Year 2015-16

Program was scheduled as per the given details

- **Topic** : Stiffness Method (structure) & Fixed Beam Analysis
- **Date** : 27-02-2016 & 09-04-2016
- **Day** : Saturday
- **Venue** : Smart class, Main Building, BITS edu campus, Varnama
- **Name of Speaker** : Dr. Ganesh Doiphode, Associate Professor at Applied Mechanics Department, Faculty of Tech. & Engg., M.S. University, Vadodara
- **Student Class** : BE VIII and BE VI (Civil Engineering)
- **Program Schedule** :

Time	Event	Managed By
10:30 am to 12:00	Expert Lecture	Dr. Lalit S Thakur, Associate Professor, BIT- Varnama

- **MOMs:**
 - Dr. Ganesh Doiphode has done his Ph. D. in 2013 from M.S. University and he is an Associate Professor in Applied Mechanics department in M.S. University, Vadodara. Previously he worked at Sipra Engineers Company, Vadodara.
 - The expert talk session was started at 10:30 am at Smart class of Main building.
 - Dr. Lalit S Thakur (HOD) from Department of Civil Engineering presented introduction of Dr. Ganesh Doiphode to students and welcomed him on behalf of the institute.
 - Dr. Ganesh Doiphode started a lecture by delivering basic information of traditional method for computing member forces and displacements in structural systems to students. Then he discussed about Stiffness and Flexibility method by showing basic difference between both the methods.
 - He discussed how Stiffness method is programmable and Flexibility method is difficult to program by explaining with example.
 - He focused on study of restraint structure under unit displacement and started a sum which helps the students for better understanding the concept with high interaction from students. The sum ended with shear force and bending moment diagram.

- **Dr. Ganesh Doiphode conclude the session with two methods:**
 - **Flexibility method**
 - **Stiffness method**
- **After completion of expert talk Prof. Mayur D Patel delivered thanks to Dr. Doiphode to spare their valuable time for students.**
- **Other faculty members from Civil Department also delivered thanks to Dr. Ganesh Doiphode for the same.**

SNAPS



Dr. Lalit S Thakur presenting introduction of Dr. Ganesh Doiphode to students



Dr. Ganesh Doiphode delivering expert talk to students



Dr. Ganesh Doiphode's interaction with students



Students attending Dr. Ganesh Doiphode's expert talk