



# RAJEEV INSTITUTE OF TECHNOLOGY

Plot # 1 (D), Growth Centre, Bangalore Mangalore Bypass Road, HASSAN- 573 201, KARNATAKA  
(Affiliated to VTU, Belagavi, Approved by AICTE, New Delhi, Recognized by Govt. of Karnataka)

Department of Civil Engineering

Dated 02/02/2023

To,

The Principal  
Rajeev Institute of technology  
Hassa-573201

Through,

The H.O.D  
Department of Civil Engineering  
R.I.T, Hassan.

From,

Mr. H.S Manjunath  
Assistant professor  
Department of Civil Engineering  
R.I.T, Hassan.

Respected Sir,

**Subject: Requesting permission to Organize One Day Technical talk on "Various methods in deflection of Beams"**

With respect to above subject, we would like to bring to your kind notice that we are planning to organize One day Technical talk on "Various methods in deflection of Beams" for the benefit of the student on 08th February 2023. Resource Person for the Technical is Prof. Hemanth Prabhu, Sahyadri College of Engineering Mangalore. In this regard we kindly request you to give the permission to conduct the Technical talk

Thanking You

Yours Sincerely

**Mr. Manjunath H.S**

Assistant professor

Department of Civil Engineering

R.I.T, Hassan.

Through  
H.S Manjunath (HOD, CE)  
Head of the Department  
Department of Civil Engineering  
Rajeev Institute of Technology  
HASSAN



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Department of Civil Engineering

**DEPARTMENT OF CIVIL ENGINEERING**

A Report of

Technical Talk

on

**“VARIOUS METHODS IN DEFLECTION OF BEAMS”**

Date:08-02-2023

Organized by:

Department of Civil Engineering

Guest Speaker:

Prof. Hemanth Prabhu

*Attendees:* 3<sup>rd</sup> semester students and all faculties of Civil Engineering department.

Report Submitted by

**Mr. Manjunath H S**

Assistant Professor

Department of Civil Engineering,

RIT, Hassan.

Department of  
Civil Engineering  
Rajeev Institute of Technology,  
Hassan -573201



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## Department of Civil Engineering

The Department of Civil Engineering has conducted a Technical talk on "Various methods in Deflection of Beams" on 8th February 2023 by Prof Hemanth Prabhu, Sahyadri engineering college, Mangalore in CV203 of the Civil and Mechanical Engineering block of Rajeev Institute of Technology, Hassan. The Technical talk was targeted to 2nd year Students & also faculties of Civil Engineering. A detailed report regarding the events furnished below.

Date: 8th February 2023

Title: Workshop On " Various methods in Deflection of Beams"

Coordinators: Mr. Manjunath H.S

Timings: 2:00PM to 4:00 PM

Resource Person: Prof. Hemanth Prabhu  
Sahyadri Engineering College  
Mangalore

Meeting Platform : Offline

### Objective of the Programme

- To understand the various methods of deflection of Beams about the Technical Talk.

### Outcome of the Programme

At the end of technical talk, students understood the basics on beams, types of beams, supports and types of supports and also why the deflection of the beams should be considered and also basic terms and their notations used in the deflection of beams such as the slope, elastic curve and deflection. Students understood concepts related to the boundary conditions, Moment curvature equation by the concept of pure bending. They also understood the detailed step-by-step procedure to be considered in analyzing the beam for deflection using Macaulay's method or Double integration method.

### How it benefitted the students:

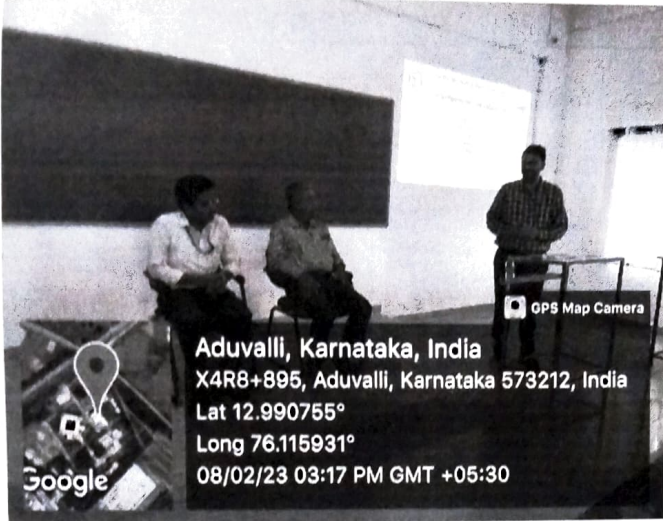
An opportunity for students to understand the concepts in details from the subject expert and application of the knowledge understood when required during a particular case.



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## Department of Civil Engineering



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*Signature*  
Head of the Department  
Department of Civil Engineering  
Rajeev Institute of Technology  
HASSAN