

**Alva's Institute of Engineering and Technology**  
Shobhavana Campus, Mijar, Moodbidri,  
Accredited by NAAC with 'A+' & NBA (ECE & CSE)

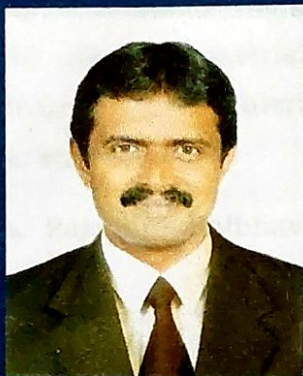


**INSTITUTION'S  
INNOVATION  
COUNCIL**  
(Ministry of Education initiative)

## **Department of Civil Engineering**

### **A Technical Talk on "An overview on Green Building"**

**Resource Person**



**Er. Rajendra Kalbhavi**

Executive Director of DK Nirmithi Kendra, Surathkal.

**Wednesday, December 20, 2023 at 3.30 PM**

Civil Engineering Seminar Hall, AIET

**Department of CV**  
HOD and Faculty Members

**Institution Innovation Council**  
Coordinators

**Dr. Peter Fernandes**  
Principal, AIET





# ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

(Unit of Alva's Education Foundation (R), Moodbidri)

Shobhavana Campus, MIJAR-574225, Moodbidri, D.K., Karnataka, Affiliated to VTU, Belagavi  
& Approved by AICTE New Delhi, Recognized by Govt. of Karnataka.

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## DEPARTMENT OF CIVIL ENGINEERING

### TECHNICAL TALK REPORT

Er. Rajendra Kalbhavi is dedicated to advancing the construction of low-cost buildings using eco-friendly materials, thereby championing the cause of green buildings. These structures not only excel in energy efficiency but also contribute to resource conservation, fostering healthier indoor environments and providing aesthetically pleasing and durable spaces through the use of environmentally suitable materials. The principles of green building encompass integrated design, solar orientation, optimal footprint sizing, mindful glazing, material durability, economic life-cycle analysis, material reuse and salvage, natural material utilization, reliance on locally available resources, and economic sustainability.

In his comprehensive approach, Rajendra Kalbhavi emphasized key strategies for making buildings green:

#### **Sustainable Site Planning with Bioclimatic Architectural Planning:**

Integrate bioclimatic architectural planning into site development for sustainable outcomes.

#### **Design Energy-Efficient Lighting and HVAC Systems:**

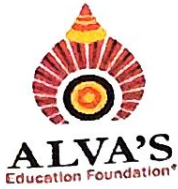
Incorporate designs that optimize energy usage in lighting and HVAC (Heating, Ventilation, and Air Conditioning) systems.

#### **Use Low Energy and Renewable Materials:**

Prioritize the selection of materials with low energy requirements and those derived from renewable sources.

#### **Choose Construction Materials and Finishes with Low Emissions:**

Opt for construction materials and interior finishes that emit zero or low levels of pollutants to enhance indoor air quality.



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## DEPARTMENT OF CIVIL ENGINEERING

### Implement Dimensional Planning and Material Efficiency Strategies:

Utilize dimensional planning and other strategies to enhance material efficiency during construction.

### Design for Graywater Systems and Dual Plumbing:

Incorporate designs for graywater systems, enabling the recovery of rainwater for site irrigation, and implement dual plumbing systems for the use of recycled water in toilet flushing.

By addressing these facets, Rajendra Kalbhavi aims to mitigate the negative environmental impacts associated with modern construction, thereby promoting a more sustainable and eco-friendly approach to building design and construction.



Resource Person addressing the students on concepts of green building

  
HOD  
H.O.D.

Dept. of Civil Engineering  
Alva's Institute of Engg. & Technology  
Mijar, Moodbidri - 574 225

  
IIC President

  
PRINCIPAL

PRINCIPAL  
Alva's Institute of Engg. & Technology  
Mijar, MOODBIDRI - 574 225, D.K





# ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

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Shobhavana Campus, MIJAR-574225, Moodbidri, D.K., Karnataka

Ph: 08258-262725; Mob:722262724,7026262725,mail:principalaiet08@gmail.com

## Department of Civil Engineering

Date - 09/12/2023

To

IQAC Chairman

AIET, Mijar

Respected Sir

Sub: To grant Permission for Technical Talk reg:-

We are happy to inform you that department of civil engineering conducting a technical talk on 12/12/2023. The details are mentioned below, kindly request you do the needful.

### Resource person details

Name: Er. Rajendra Kalbavi

Designation: Project Director

Company details: Dakshina Kannada Nirmithi Kendra

Date/month/year: 12/12/2023

  
HOD

Dept. of Civil Engineering  
Alva's Institute of Engg. & Technology  
Mijar, Moodbidri - 574 225



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Mijar, MOODBIDRI - 574 225, D.K

From

H Ajith Hebbar

Professor & Head

Dept. of Civil Engineering

AIET, Mijar.

The

The Principal

AIET, Mijar.

Sir,

Sub: - Request for the honorarium for resource persons of the Technical Talk  
- reg.

I request you to direct the concerned authorities to provide the honorarium for technical talk resource person Er. Rajendra Kalbavi, Project Director Dakshina Kannada Nirmithi Kendra, on Monday, 12 December 2023. I will be thankful to you for the same.

Resource Persons	Honorarium + T.A
Er. Rajendra Kalbavi, Project Director Dakshina Kannada Nirmithi Kendra, NITK, Surathkal	Rs. 2500/- + T.A

Date: 9/12/2023

Yours faithfully  
(Dr. H Ajith Hebbar)

H.O.D.  
Dept. of Civil Engineering  
Alva's Institute of Engg. & Technology  
Mijar, Moodbidri - 574 225



Ref: AIET /CV/TT 2023-24/05

Date: 09/12/2023

**To,**

Er. Rajendra Kalbavi  
Project Director  
Dakshina Kannada Nirmithi Kendra  
NITK, Surathkal

Dear Sir,

**Sub:-Request for Resourceful Talk - Reg.**

I am very much pleased to have the honour of inviting you to our institution as resource person to deliver a technical talk on your expertise, on Tuesday, 12<sup>th</sup> December 2023 at 3.00 PM, I look forward to meet you at our Campus.

Yours Truly



(Dr. H. Ajith Hebbar)

**H.O.D.**  
**Dept. of Civil Engineering**  
**Alva's Institute of Engg. & Technology**  
**Mijar, Moodbidri - 574 225**