



Knowledge
Partner



Karnataka Science and Technology Academy
Dept. of Science & Technology, Govt. of Karnataka



Three-Day Workshop

Green Building Technologies and Sustainable Construction

Date: August 27-29, 2026 | Thursday - Saturday | Venue: KSTA Auditorium

INTRODUCTION

The construction sector is one of the largest consumers of natural resources and energy while contributing significantly to greenhouse gas emissions and environmental degradation. Green buildings offer sustainable solutions through resource-efficient planning, eco-friendly materials, renewable energy integration, water conservation, waste minimization and improved indoor environmental quality.

This three-day training programme aims to provide participants with a comprehensive understanding of sustainable construction practices, green building technologies and internationally accepted green building rating systems. The programme combines expert lectures and case studies to equip participants with the knowledge and skills required for designing environmentally responsible buildings.

OBJECTIVES

The workshop aims to:

- Introduce the concepts and principles of sustainable and green buildings.
- Familiarize participants with eco-friendly construction materials and technologies.
- Demonstrate energy-efficient building planning and passive design techniques.
- Provide practical exposure to IGBC, GRIHA, LEED and other green building rating systems.
- Train participants on renewable energy integration in buildings.
- Promote water conservation, waste management and circular economy approaches.
- Showcase successful green building projects and best practices.
- Encourage innovation and research in sustainable infrastructure.

Note: Institutional Members of KSTA are eligible for 20% exemption in the registration fee for two participants (students / faculty members).

CONVENOR

Dr. Anand R
Chief Executive Officer,
KSTA

COORDINATOR

Shri Umesh V Ghatage
Scientific Officer, KSTA

TARGET PARTICIPANTS

- Undergraduate & Postgraduate Engineering Students
- Research Scholars
- Faculty Members of Engineering Colleges
- Practicing Engineers, Architects and Construction Professionals

LEARNING OUTCOMES

- After completing the workshop, participants will be able to:
- Understand sustainable construction principles.
- Select appropriate green building materials.
- Design energy-efficient buildings.
- Apply green building rating criteria.
- Integrate solar energy into building design.
- Plan rainwater harvesting and water-efficient systems.
- Develop strategies for construction waste management.
- Appreciate lifecycle costing and embodied energy concepts.

CERTIFICATE

Certificates will be awarded to participants who attend all sessions and successfully complete the workshop.

WHO CAN ATTEND

Engineering Students | Faculty Members | Research Scholars | Industry Professionals

REGISTRATION

- Intake 90 participants only | First-Come-First-Serve
- **UG, PG Students: Rs. 999/-**
- **Research Scholar & Associate Members of KSTA: Rs. 1599/-**
- **Faculty Members: 1999/-**
- Registration fee Includes food and workshop materials

Accommodation will be provided to outstation participants on sharing basis @ Rs.350/- per day per person

REGISTRATION LINK



<https://forms.gle/6DfZbyciVWWDNTcv7>

SCAN & PAY



RSVP : +91-80-29721550 ; 9743084194
Enquiries From 10.30 am to 6.00 pm