



DEPARTMENT OF AERONAUTICAL ENGINEERING

Event Report (AY 2025-2026)

Name of the Event	: Guest Lecture on “Renewable Energy Sources – Best O&M Practices for Hydro and Wind Power Generation Plants”
Date & Time	: 20/08/2025 & 10:30 AM
Place	: Seminar Hall - 4th Floor
Resource Persons	: Mr. Sivaraj, Senior Service Engineer, Bangalore Hydro Engineers and Consultant Pvt. Ltd., Bengaluru
No of Student Participants	: 65 Students
Event Coordinators	: Mr Ganesh R

About the Event:

The Department of Aeronautical Engineering, ACS College of Engineering, organized a Guest Lecture on the topic “**Renewable Energy Sources – Best O&M Practices for Hydro and Wind Power Generation Plants**” on 20th August 2025 at the Seminar Hall, 4th Floor, ACSCE Campus.

The session was delivered by **Mr. Sivaraj**, Senior Service Engineer at Bangalore Hydro Engineers and Consultant Pvt. Ltd., Bengaluru, who shared his extensive industry experience in renewable energy systems and power plant maintenance.

The lecture began with an overview of the growing significance of renewable energy in meeting global energy demands and addressing climate change challenges. The resource person emphasized the importance of hydro and wind power generation as reliable, sustainable, and environmentally friendly energy sources.

The session elaborated on **Operation and Maintenance (O&M) best practices**, focusing on:

Campus

207, Kambipura, Mysore Road, Bengaluru - 560 074

Ph: 080 - 2974 8222, 2974 8333 Fax: 080 - 2974 9988

E-mail: info@acsce.edu.in, principal@acsce.edu.in



- **Hydro Power Plants** – Preventive maintenance techniques, turbine efficiency monitoring, dam safety inspections, and effective water resource management.
- **Wind Power Plants** – Blade inspection methods, gearbox lubrication practices, vibration analysis, and the implementation of digital monitoring systems for predictive maintenance.

Mr. Sivaraj also presented real-world case studies from hydro and wind installations across Karnataka, discussing operational challenges and practical solutions for improving plant efficiency, reliability, and longevity. He highlighted the importance of modern diagnostic tools, skilled technical manpower, and structured maintenance schedules to ensure uninterrupted energy generation. The session concluded with an engaging interactive discussion where students clarified their doubts regarding career opportunities in renewable energy, technological advancements, and smart grid integration systems.

Overall, the guest lecture provided valuable practical insights into renewable energy systems and motivated students to explore innovative and sustainable approaches in power generation technologies.

The Department expressed sincere gratitude to Mr. Sivaraj for delivering an informative and industry-oriented session and thanked the college management for their continuous support in organizing the event.

Campus

207, Kambipura, Mysore Road, Bengaluru - 560 074

Ph: 080 - 2974 8222, 2974 8333 Fax: 080 - 2974 9988

E-mail: info@acsce.edu.in, principal@acsce.edu.in



ACS College of Engineering

(Approved by AICTE, New Delhi, Govt. of Karnataka & Affiliated to Visvesvaraya Technological University, Belgaum)

Sponsored by : MOOGAMBIGAI CHARITABLE AND EDUCATIONAL TRUST



Event Poster:



ACS COLLEGE OF ENGINEERING

Affiliated to VTU, Belagavi Approved by AICTE, New Delhi & GoK

DEPARTMENT OF AERONAUTICAL ENGINEERING

Organizes Guest Lecture on
**'Renewable Energy Sources – Best O&M Practices for
Hydro and Wind Power Generation Plants'**



Resource Person
Mr. Sivaraj
Senior Service Engineer
Bangalore Hydro Engineers and Consultant Pvt Ltd
Bengaluru

Date: 20th of Aug 2025
Time: 10:30 AM - 12:30 PM
Venue: Fourth Floor Seminar Hall, ACSCE

Coordinator : Mr. Ganesh, Asst. Professor





Dr. P. Theerthamalai Professor-AE	Prof. P. Soma Professor-AE	Dr. G. Ramanan HoD - AE
Dr. S. Usha Vice-Principal	Dr. Anandthirtha B Gudi Principal, ACSCE	Dr.A.K.Mariappan Rector, ACSCE

 9008545678

 www.acsce.edu.in

 No. 207 Kambipura, Mysore Road,
Bangalore - 560 074

Dr.G.Ramanan
HOD-AE

PRINCIPAL
ACS COLLEGE OF ENGINEERING
Kambipura, Mysore Road, Kengeri Hobli
Bangalore-560074

Dr. Anand Thirtha B Gudi
PRINCIPAL

Campus

207, Kambipura, Mysore Road, Bengaluru - 560 074

Ph: 080 - 2974 8222, 2974 8333 Fax: 080 - 2974 9988

E-mail: info@acsce.edu.in, principal@acsce.edu.in

www.acsce.edu.in