



LBS COLLEGE OF ENGINEERING KASARAGOD

(A Govt. of Kerala Undertaking)



**AICTE-VAANI SPONSORED
TWO DAYS WORKSHOP
ON**

ENERGY AND DEVELOPMENTAL ISSUES

**EMERGING FIELD:
ENERGY, SUSTAINABILITY & CLIMATE CHANGE
In
Malayalam**

on 25th-26th July 2024

<https://lbscek.ac.in/vaani2024>

Sponsored by

**All India Council for Technical
Education New Delhi**

Organised by

**DEPARTMENT OF
ELECTRICAL & ELECTRONICS
ENGINEERING**

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AICTE-VAANI

AICTE is committed to the development of quality technical education in the country by initiating various schemes launched by Govt. of India. AICTE-Vibrant Advocacy for Advancement and Nurturing of Indian Languages (VAANI) scheme promotes Indian languages among faculty members and students to improve the teaching-learning process. The AICTE-VAANI scheme will help in creating knowledge base in local language and will encourage creation of a treasure of latest technical knowledge incorporating the newest developments in regional languages. The scheme will also promote promotion of the research papers in the regional languages and further enhance the collaboration between Institutions and Industry.

ABOUT THE INSTITUTION

The LBS College of Engineering was started in the year 1993, under the auspices of L B S Centre for Science and Technology Thiruvananthapuram, an autonomous body owned by the Government of Kerala. The college offered B. Tech programmes in 4 branches; ME, EEE, CSE and ECE, with 240 seats, in a temporary building in 1995. The current campus was constructed at 52 acres of land given by the plantation corporation Kerala at Povval. B Tech in Information Technology with intake 60 and MCA with intake of 35 were started in 2000. B Tech in Civil Engineering was added to the existing programme during 2008. As part of expansion, additional 60 seats were added for Mechanical, Computer Science and Electronics and Communication Engineering programmes. During 2013-15, four post graduate programmes were added and Mechanical Engineering and Computer Science & Engineering was recognized as a research centre. The college is located in Muliya Panchayath of Kasaragod district, the northern most district of the state. The Campus spreads over an area of 52 acres and is 12 Kms away from Kasaragod town. The nearest airport is Mangaluru Airport and the nearest railway station is Kasaragod railway station. The Bekal Fort, Madhur temple and Ananthapuri temple are the prime tourist attractions of Kasaragod district. As of now, the college offers UG programmes (B. Tech.) in six branches viz. ECE, CSE, ME, EEE, IT and CE and one PG program in CSE. The annual intake for UG programme is 480 and for PG Programme is 18. The college was under Calicut university initially and later in 1996 under Kannur university. From 2015, the college is affiliated to APJ Abdul Kalam Technological University.

ABOUT THE DEPARTMENT

The Department of Electrical and Electronics Engineering was established in 1993, offering a B.Tech program in Electrical & Electronics Engineering with an intake of 60 students. The sanctioned intake for the four year B.Tech course now is 66 students, which includes 6 lateral entry students during the third semester. The Department is well-stabilized with a team of vibrant faculty members and state-of-the-art laboratories. Its strength lies in the highly qualified faculty and proficient supporting staff. Furthermore, the department offers excellent research facilities and consistently updates its laboratory equipment with the latest technology. Besides academic excellence, the department encourages and supports the co-curricular activities of students for their overall development. Faculty members provide individual attention and mentoring to ensure the success of each student. The department takes pride in its numerous distinguished alumni who have bagged university ranks and hold prominent positions in esteemed organizations such as NTPC, KSEB, HAL, DRDO, ISRO, Electrical Inspectorate, Railways, Civil Services, and various reputed organizations both in India and abroad. These alumni maintain continuous interactions with the department, offering invaluable guidance and support for the benefit and advancement of current students.

ABOUT THE WORKSHOP

The workshop on Energy, Sustainability, and Climate Change organised by EEE Department, LBS College of Engineering, Kasaragod, covers topics related to the current and future challenges and opportunities in these fields. The two-day workshop focuses on the most relevant areas and provide the participant with hands on training and case studies. The classes and training sessions will be handled by field trained professionals and will give the participant a thorough insight into the subject. The participant will also be able to interact with the experts and will be able to secure an in-depth knowledge in this area.

OBJECTIVES

- **Education and Awareness**
- **Skill Development**
- **Policy and Advocacy**
- **Innovation and Solutions**
- **Collaboration and Networking**
- **Behaviour Change**

OUTCOMES

1. **Increased Knowledge and Awareness regarding Energy , sustainability & Climate change, and related policies.**
2. **Adoption of more sustainable lifestyles and behaviours among participants.**
3. **Increased policy advocacy for robust climate policies and sustainable energy practices at local, national, and international levels.**
4. **Strengthened networks among participants, experts, industry leaders, and policymakers.**
5. **Generation of innovative ideas and solutions to enhance energy efficiency, promote renewable energy, and mitigate climate change.**
6. **Creation of actionable plans and strategies for implementing sustainability initiatives and climate adaptation measures.**
7. **Identification of cost-saving opportunities through energy efficiency and renewable energy adoption.**

RESOURCE PERSONS

- **Sri. Santhosh A**
Certified Energy Auditor & Managing Director, Athul Energy Consultants , Thrissur, Kerala
- **Sri. Raju S**
Director, Thanal, Thiruvananthapuram.
- **Dr. Abdul Hakkim.V.M.**
Professor and Head,Department of Soil and Water Conservation Engineering,Kelappaji College of Agricultural Engineering and Technology Malappuram
- **Dr. Jayaraman C**
Co-Founder & MD, EQUINOCT, Ernakulum, Kerala. Full Bright Scholar, Lawrence Berkeley University National Lab, California
- **Prof. Jayakumar M**
Associate Professor and HOD,LBS College of Engineering, Kasaragod
- **Mrs. Manju V**
Certified Energy Manager & FGI, LBS College of Engineering,kasaragod

ELIGIBILITY AND SELECTION PROCESS

- **This offline Workshop is open to faculties, research fellows, PG students from AICTE approved institutions and working professionals from industry**
- **Participants will be selected on a first come first serve basis**
- **Limited to 50 seats**
- **Last date for registration: 20th July 2024**
- **Link for online registration: <https://tinyurl.com/lbseed>**
- **Free registration for participants**

ORGANIZING COMMITTEE

Convener

Prof. Jayakumar M
Associate Professor and HOD
LBS College of Engineering, Kasaragod

Coordinator

Prof. Baby Sindhu A V
Associate Professor, EEED
LBS College of Engineering
Kasaragod
Mob: 9037667582

Co-coordinator

Dr. Aseem K
Assistant Professor, EEED
LBS College of Engineering
Kasaragod
Mob: 6238893151

WORKSHOP SCHEDULE

25-7-2024 TO 26-7-2024

DAY 1

MORNING SESSION

Session - i
Sri. Santhosh A
Certified Energy
Auditor
& Managing
Director,
Athul Energy
Consultants
Thrissur, Kerala

TOPIC: ENERGY
CONSERVATION
AND AUDIT.

Session - II
Sri. Raju S
Director, Thanal,
Trivandrum

TOPIC: CARBON NEUTRAL
DEVELOPMENT
MEENANGADI (WAYANAD,
KERALA) EXPERIENCE

AFTERNOON SESSION

Session - III
Dr. Abdul Hakkim.V.M.,
Professor and Head,
Department of Soil
and Water
Conservation
Engineering,
Kelappaji College of
Agricultural
Engineering and
Technology
Malappuram

TOPIC: SUSTAINABLE
DEVELOPMENT IN
AGRICULTURE

Session - IV
Mrs. Manju V
Certified Energy
Manager & FGI,
LBS College of
Engineering,
Kasaragod.

TOPIC: ENERGY
STANDARDS &
LABELLING

DAY 2

Session - V
Dr. Jayaraman C
Co-Founder & MD,
EQUINOCT,
Ernakulum, Kerala.
Full Bright Scholar,
Lawrence Berkeley
University National
Lab, California.

TOPIC : CLIMATE
CHANGE & ENERGY

Session - VI
Prof. Jayakumar M
Associate Professor
and HOD
LBS College of
Engineering,
Kasaragod

TOPIC: ENERGY &
ENVIRONMENTAL
ISSUES IN
AUTOMOBILE
SECTOR

Session - VII
Athul Energy
Consultants
Thrissur, Kerala

TOPIC: HANDS ON
TRAINING ON
INDUSTRIAL ENERGY
AUDIT EQUIPMENT

Session -VIII
Athul Energy
Consultants
Thrissur, Kerala
Topic: Hands on
Training on Testing
of Energy Efficiency
of Industrial Loads

TOPIC : CLIMATE
CHANGE & ENERGY