

RESOURCE PERSONS

Eminent Resource persons from premier educational Institutions like Anna University, Government Engineering Colleges and renowned Industries will impart their expertise.

ELIGIBILITY

Faculty members, Research scholars and PG Scholars of the AICTE approved institutions and Industry Personnel are eligible to apply.

GUIDELINES TO PARTICIPANTS

- No registration fees will be collected
- Eligible participants will be intimated by e- mail. .
- No TA/DA will be provided to participants.

REGISTRATION

The applicants should register in the Google form using the following link.

<https://forms.gle/wAVEYAJUCrBjYQEs9>



Last date to apply : 13.08.2025

Intimation of selection: 16.08.2025

CHIEF PATRON

Dr. C. VASANTHANAYAKI
PRINCIPAL

CONVENERS

Dr. T. PREMSINGH INBARAJ
HOD/Mechanical
Dr.R.Vivekananthan, ASP/MECH

COORDINATORS

1.Dr. J. ALDRIN RAJ
Associate Professor/Mechanical
2. Dr.V.Senthil
Assistant Professor/Mechanical

ORGANIZING COMMITTEE

Dr.M.Balamurugan, AP/MECH
Prof.M.Seba Karthick, AP/MECH
Prof.P.Duraisamy, AP/MECH
Dr.N.Muthukumaran, AP/MECH

ADDRESS FOR CORRESPONDENCE

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தமிழ்நாடு அறிவியல்
தொழில்நுட்ப மாநில மன்றம்,
தொழில்நுட்பக் கல்வி இயக்கக
வளாகம், சென்னை- 600025

TAMILNADU STATE COUNCIL FOR
SCIENCE AND TECHNOLOGY ,
DOTE Campus, Chennai- 600 025

Sponsored

State Level Seminar on

“AI and IOT driven Technological
advancements for Sustainable
Renewable Energy Resources”

August 19th and 20th , 2025

Organized
by
Department of Mechanical Engineering
Government College of Engineering
Bodinayakanur-625582
Theni Dist., Tamilnadu

ABOUT THE INSTITUTION

Government College of Engineering, Bodinayakanur, affiliated to Anna University was started in 2012, for the welfare of western part of Tamilnadu students. It covers an area of 10.06 acres. The college is located at the heart of the “Cardamom City” proudly called as the city of “South Kashmir”. It was started with five under graduate courses namely Civil Engineering, Mechanical Engineering, Electrical & Electronics Engineering, Electronics & Communication Engineering, Computer Science & Engineering and Computer Science & Engineering (Data Science) with highly qualified and dedicated faculty. It offers a conducive learning atmosphere with the most modern teaching aids, smart class rooms, wi-fi and modern computers with latest configuration to make learning enjoyable. Students are placed in highly reputed industries across the globe.

ABOUT THE DEPARTMENT

The Mechanical Engineering department was established in the year 2012 with the intake of 60 seats. The department is approved by AICTE, New Delhi and affiliated to Anna University, Chennai. This department has many strengths including its high faculty-to-student ratio, facilities, renowned faculty, strong focus on undergraduate education balanced with

leading-edge research, and emphasis on leadership, service, and ethics.

Students are imparted with training in cutting-edge technologies through Seminars, Workshops, and Guest Lectures alongside Technical Symposia/paper contests. Strong mentoring is provided by the faculty members to monitor the student’s progression.

About the Seminar

The Seminar on “AI and IOT driven Technological advancements for Sustainable Renewable Energy Resources” is aimed at imparting knowledge and training on the fundamentals of Renewable Energy and its applications. The main objective is to make the participants familiar with the current trends in Clean and green energy Technologies that will help to the growth of our country. Expert lectures will be delivered by premier educational Institutions like Anna University, Government Engineering Colleges, Research organizations and renowned Industries. This program may be beneficial to Faculty members & Research Scholars who intend to practice/ begin research in the field of Renewable Energy.

OBJECTIVES OF THE PROGRAMME

- To provide in-depth knowledge to the faculty members, researchers, and students to the current trends in Green energy.
- To understand the main benefits of sustainable energy production technologies over energy production using fossil fuels.
- To know the importance of energy efficiency
- To create awareness to slowdown and eventually stop climate change caused by Green house gases.

COURSE HIGHLIGHTS

- Technological Advancements in Solar PV technologies
- AI and IOT based controls in Solar systems
- Wind power Systems and its recent developments
- IOT based devices in Wind power plants
- AI driven Biomass technologies of the future
- Modern Sustainable Renewable energy systems such as Geothermal, OTEC, Wind energy, Tidal energy etc.
- New technologies for Sustainable bio-fuel production from rice straw