



**AICTE Training and Learning (ATAT)
Sponsored
One week Online Faculty Development Program
On**

Alternative fuels : Biofuels

**From
04-08 October, 2021**

**Chairman / Chief Convener
Dr. S.S. Hebbal
Principal, PDACEK**

**Convener
Dr. M C Navindgi
Head Mech Dept.**

Program Coordinator

Dr. Harishchandra V Astagi

Organised by

Department of Mechanical Engineering

Hyderabad Karnataka Education Society's
**Pooja Doddappa Appa
College of Engineering**
(Autonomous Institution Affiliated to VTU, Belagavi)
Aiwan-E-Shahi Area - Kalaburagi – 585102

Website: www.pdaengg.com

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Dr. S. S. Hebbal
Principal, PDACEK

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Controller of Examination, PDACEK

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Professor & Hostel warden, PDACEK

Dr. Nagendra H
Professor, PDACEK

Program Convener

Dr. M C Navindgi
HOD, Mech Dept

Program Coordinator

Dr. Harishchandra V Astagi
Asst. Professor, Mech Dept
Email : hvastagi@pdaengg.com
Phone no: 9448577298

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Dr. Prakash I. Babaladi

Resource Persons:

Faculty from IISc, IIT, NIT, and other reputed institutions and Resource persons from industries.

Objectives:

- To develop awareness about the role of biofuel as an alternative energy resource.
- To highlight methods and techniques in biofuel energy conversion.
- To provide an overview on the recent research trends and developments in the area of biofuels.

Guidelines:

*No Registration Fee.

*Participation in this FDP is open to the Faculty / Research / PG Scholars from Universities / AICTE Recognized Institutions.

*Seats are limited to 200 and the participants are selected on the basis of first come first serve basis.

*E-certificate will be issued to those Participants who have attended the Program with minimum 80% Attendance and scored minimum 60% Marks in the Online Test which will be conducted at end of the Programme.

Major Topics:

1. Role of bio-fuels as an energy alternative
2. Biomass energy conversion Methods
3. Techno-economic features of bio-fuels
4. Production and utilization of biodiesel
5. Life Cycle Analysis of biofuels
6. Environmental aspects of biofuel utilization

About college

The Hyderabad Karnataka Education (HKE) society founded by Late Shri Mahadevappa Rampure, a great visionary and educationist. The HKE Society runs 46 educational institutions. Poojya Doddappa Appa College of Engineering, Gulbarga is the first institution established by the society in 1958. The

college is celebrating its golden jubilee year, setting new standards in the field of education and achieving greater heights. This institute has NBA accreditation for five departments (ISC, IPE, CCT, IT and Automobile Engg departments). The National Board of Accreditation, New Delhi, has accredited the College in the year 2005-08 for 09 UG Courses out of which 08 courses are accredited for three years and 01 course is accredited for five years. And second time accredited for Six Course in the year 2009-2012. Again, now, Information Science and Engg, Industrial and Production Engineering and Automobile Engineering departments are Accredited for three years from academic years, 2018-19 to 2020-21.

About the Mechanical Engineering Department

As ours is ONE OF THE FIRST EVER DEPARTMENTS ESTABLISHED IN 1958 BY THE GREAT VISIONARY, EDUCATIONIST AND STATESMAN LATE SRI. MAHADEVAPPA RAMPURE Founder president of HKE Society's with an intake of 40 students. The department is equipped with all necessary infrastructure and laboratory facilities. Present intake of department is 120 with total of 450 students studying in I, II, III and IV year. In accordance with the Vision and Mission, the department is striving hard to cater the needs of Mechanical Engineering students both in curriculum and carrier oriented progress and achieving excellence in various aspects such as student's performance and quality, student teacher relationship, and student's motivation towards research oriented aspects. Department behold for discipline among student community by adopting good human qualities and professional ethics, moral. Department has well

qualified, dedicated, expert faculty and supporting staff.

Department has Two PG Programs: Thermal power Engineering established in the year 1982, and Production Engineering 1994.

Department has recognized as Research Centre by Visvesvaraya Technological University Belagavi in the year 2005 and at present 6(six) Doctorates, 30 research scholars are pursuing their Ph.D. Research centre put forward its activities. Our department has centralized facilities mainly Central workshop CAED lab in which the students of all the branches get trained in engineering drawing. Fluid mechanics and fluid machines lab, dynamics of machines lab, Material science lab and Instrumentation and metrology are being used by the students of Automobile, Industrial and Production and Ceramic Engineering students.

About the Program

Faculty Development Programs (FDPs) are especially important in adapting faculty members to their changing roles in initiating and setting the directions for curricular changes. The major focus of the FDP is on upgrading the teaching, training, and research skills of faculty members. This faculty development training program is intended to provide opportunity for teaching faculties employed in various colleges Technical Universities for teaching and upgrading their knowledge in the areas of Alternative fuels :Biofuels

REGISTRATION

All the Participants are requested to Register for this FDP through Online by using the following link:

<https://atalacademy.aicte-india.org/>

Registration for all the Participants is mandatory.