



**10 days ICAR Short Course Training Program on
“Renewable Energy for Environmental Protection and Energy Conservation”
During 14th to 23rd October, 2019**

Venue: Department of Renewable Energy Engineering, CAET, AAU, Godhra

Sponsored by: Indian Council of Agricultural Research, Pusa, New Delhi.

Participants: A total of 17 Assistant Professors and above from various states viz, Tamilnadu (1) and Gujarat (16) attended the training programme from various State Agricultural Universities and Krushi Vighyan Kendra.

10 days ICAR Short Course Training Program on “Renewable Energy for Environmental Protection and Energy Conservation” has been organized by Department of Renewable Energy Engineering, College of Agricultural Engineering & Technology, Anand Agricultural University, Godhra during 14th to 23rd October, 2019. The aim of this training course was to provide practical guidance on how to incorporate environmental protection when dealing with existing challenges in energy resources management, renewable energy i.e. renewable energy management, conservation and its utilization. . The inaugural session of the training was presided by Dr. Pankaj Gupta, Principal and Dean (I/C), College of Agricultural Engineering & Technology, Godhra. Welcome speech was given by Dr. D.K. Vyas, Associate Professor & Head and Course Director of ICAR Short Course, Department of Renewable Energy Engineering, College of Agricultural Engineering & Technology, AAU, Godhra. Dr. Pankaj Gupta in his inaugural address stated the importance on renewable energy and its utilization particularly to enhance productivity and reduce environmental pollution and green house gas emissions to combat climate change and also advocated to adopt eco-friendly technologies in future. Er. J. Sravankumar, Assistant Professor and Core Academic Staff (ICAR), Department of BEAS, CAET, AAU, Godhra proposed vote of thanks.

A total of 36 sessions including lectures and practical sessions were delivered by experts on various aspects of renewable energy and environmental protection. A total of 5 field visits was arranged including 2400 MWe Hydro Power Plant at Kevadiya Colony, Narmada, 1 MWe Solar Agrivoltaic Plant at Amrol, SPRERI-VVNagar, Incubation Centre and NABL Laboratory, FPTBE College and Department of Microbiology, Anand. Apart from field visits, the college infrastructural facilities, technologies released by the college were shown to the participants of the course. Throughout the training, all the participants were really passionate to learn and enthusiastic to interact with experts.

The 10 days ICAR Short Course Training programme covered various topics, such as solar energy utilization, bio-char culture, recent biofuel development and technologies, biomass management and its utilization, solar wind hybrid system, use of solar photovoltaic in agriculture, biogas technology and its utilization using power point presentation and questionnaire mode.

At the end of training programme, a valedictory and certificate distribution session was organized with live interaction in presence of Dr. R.V. Vyas Sir, Honourable Vice Chancellor, Anand Agricultural University, Anand ; where three participants from different organizations given their feedback and the facilitator also shared her experience.



The points discussed in the session are as follows:

- ✓ Participants mentioned that the training program was very much useful for knowing energy conservation practices and environmental protection using renewable energy
- ✓ The participants mentioned the vibrancy and appreciated the free interaction among different experts/speakers.
- ✓ Participants also thanked college authority for arranging such training programme with good boarding and lodging facilities.

Hon Vice Chancellor focussed on climate change implications on agricultural productivity availability of non-renewable energy resources, crunching of fossil fuels and also highlighted on the importance of oil production using algae. He stressed on energy conservation at all stages in agriculture and emphasized to focus on green energy initiatives for combating climate change.