ABOUT ANAND AGRICULTURAL UNIVERSITY

Anand Agricultural University (AAU) was established in 2004 at Anand with the support of the Government of Gujarat, Act No.(Guj 5 of 2004) dated April 29, 2004. Caved out of the erstwhile Gujarat Agricultural University (GAU), the dream institution of Sardar Vallabhbhai Patel and Dr. K. M. Munshi, the AAU was set up to provide support to the farming community in three facts namely education, research and extension activities in Agriculture, Horticulture Engineering, Product Processing and Home Science. At present there are seven Colleges, seventeen Research Centers and six Extension Education Institute working in nine districts of Gujarat namely Ahmedabad, Anand, Dahod, Kheda, Panchmahal, Vadodara, Mahisagar, Botad and Chhotaudepur

CAET GODHRA

Mobilizing the engineering community to become more effective in delivering real products and services of benefit to tribal farmers of the state the Government of Gujarat established the College of Agricultural Engineering and Technology under Vanbandhu Kalyan Yojana in the tribal area at Godhra on 9th May, 2008 under the shade of Anand Agricultural University. The College foundation stone was laid by the then Hon. Chief Minister and present Prime Minister of the Country Sri Narendrabhai Modi.

ABOUT DEPT. OF RENEWABLE ENERGY ENGG..

Department of Renewable Energy Engineering is on the core departments of CAET, Godhra. Apart from UG courses in renewable energy engineering, the department also offers technical masters degree in renewable energy engineering. According to our study plan, the student will get a broad and intensive knowledge in renewable energy technologies, mainly in Photo-voltaic (PV/CPV), Concentrated Solar Power (CSP), Biogas and Biomass energy. In addition, the departments has 3 laboratories specialized in Biomass/ biofuel, biogas and solar energy. These laboratories are equipped with high-tech instruments in order to give the student an insight of knowledge from a practical point of view.

Application form for Participation in MTC

(To be sent to the Course Director of MTC)

1. Full name (in block letters):
2. Designation:
3. Present employer and address:
4. Address for correspondence (Give E-mail, Tel. / Mobile No.):
5. Permanent address:
6. Sex: Male/Female
7. Marital status: Married/unmarried
8. Academic record (Indicate in tabular form examinations passed from B.Sc./B.Tech. degree onwards, Main subjects, Year of passing, Class / rank / University / Institution, Other information):
9. Service experience:
10. Signature of applicant (indicate name of place and date):
11. Recommendation of the forwarding Institute (Signature, date, designation / address):

CERTIFICATE

It is certified that the above information was furnished as per the office record and was found correct.

(Signature and Designation of sponsoring authority)

Note: Application in above format may be typed on A4 size paper and advance copy may be mailed on dhamo810.caet@aau.in and hard copy may be submitted through proper channel.

Applications/nominations may be sent to:

Dr. D. K. Vyas
Course Director & Associate Professor
Department of Renewable Energy Engineering
College of Agricultural Engineering & Technology (CAET), Anand Agricultural University (AAU)
Godhra– 389001, Gujarat
Mobile: 09924526892; Tel.: 02672-265027(O)
Email: dhamo810.caet@aau.in

For further information please contact:

Er. Sravankumar Jogunuri

Course Co-director, & Asst. Prof. (Electrical Engg.)
Department of BEAS
College of Agricultural Engineering & Technology (CAET), Anand Agricultural University (AAU)
Godhra– 389001
Mobile: 08347478789; Tel.: 02672-265027(O)
Email: sravanjogunuri@aau.in

INFORMATION BROCHURE

MODEL TRAINING COURSE ON GREEN ENERGY INITIATIVES IN AGRICULTURE TO COMBAT CLIMATE CHANGE

December 17th to 24th, 2018

Sponsored by
Directorate of Extension
Ministry of Agriculture & Farmers Welfare
Govt. of India, New Delhi

Course Coordinator
Dr. R. Subbaiah

Course Director
Dr. D. K. Vyas

Course Co-Director
Er. J. Sravankumar

Organized by
Department of Renewable Energy Engineering
College of Agricultural Engineering and Technology
Anand Agricultural University
Dahod Road, Dholakuva
Godhra-389001, Gujarat
www.aau.in

INTRODUCTION

Energy is one of the major parameters for establishing growth and progress of the country, rather the standard of living depends directly upon the per capita energy consumption. India is confronted with the arduous challenge of supplying accessible and affordable energy for enhancing opportunities for gainful employment not only for the agriculture sector but also for the non-farm rural economy. The national grid may never reach some communities in off-grid villages for economic and geographical reasons so that these villages are often without a reliable supply of energy for lighting homes, charging mobile phones, or powering agriculture and its associated businesses.

This task is exacerbated by a growing global environmental consciousness due to climate change and its impacts in both the environmental and socioeconomic realm. India is striving to meet energy needs while being cognizant about climate change by advocating sustainable energy alternatives to fossil fuels and adopting ambitious targets for reducing greenhouse gas emissions through climate change policies which require a new paradigm in the way energy is produced, distributed and used. India is endowed with an enormous potential of renewable that include solar, wind, hydro, biomass, and hybrid combinations offer attractive and sustainable opportunities for rural communities in India and provide energy security and independence to meet energy demands and growth in the future while simultaneously reducing their GHG emissions.

Renewable energy technologies are being used in a variety of applications on farms and ranches and there are many opportunities to expand their use in the future. Some of these technologies and procedures are currently beyond the reach of off-grid villages. But the concept of smart villages for poor smallholder farmers, who are among the most disadvantaged, and the use of off-grid energy derived from renewable sources together with ICT have the potential to change this situation and become significant contributors to a much-needed second green revolution. Decentralized renewable energy systems based on sound technical solutions, solid business models and enabling policies, need to be deployed in agriculture sector. The development of a green energy in agriculture will require research, development, demonstration, deployment, and commercialization of new technologies. Each of these activities must function as part of a continuum flowing from the research bench to commercial application, with feedback loops among the various steps. Collaboration, education, and policy will all be important.

This short-term training program will explore the participants the effectiveness of power generated by renewable energy sources, technological innovation, guidelines to identify the proper design and large-scale deployment of innovative and locally appropriate technologies, business models, financial mechanisms, regulations, and policies. We recognize that there is still a long way to go, but the goals we have set for ourselves are achievable and will have enormous benefits.

COURSE CONTENTS IN MTC

- Use of solar energy conversion technologies in agriculture
- Post harvest processing through solar devices
- Energy utilization pattern in rural sector
- Bio-gas technology and its utilization
- Thermo chemical conversion of biomass
- Bio-fuels and down stream processes
- Energy Auditing and Management
- Clean Development mechanisms and carbon management strategies

TRAINING STYLE

The training will be participative and action oriented. The emphasis will be on learning through practical experiments along with theoretical backgrounds. Group assignments, discussions, hands on experiences etc. would be major interactive modes. The programme will consist of blend of classroom lectures, experimental learning, interactions with experts and group discussions. The programme will provide excellent opportunities for practical experience, field visits and mutual interaction and information sharing among the participants, with experts, farmers and entrepreneurs

ELIGIBILITY OF THE PARTICIPANTS

Participants (AO/AEO/Asstt Prof/Assoc Prof/SMS/ Officers) from all the concerned developmental departments (Renewable Energy/Rural Engineering/Water Conservation/ Irrigation and Drainage/Agro-forestry/Agriculture/Horticulture/ Mechanical Engineering/Electrical Engineering) either from SAU/KVKs/State Departments/Extension wings involved in teaching/research/extension/training are eligible to attend the course. The total number of participants will be restricted to 20. All the applications must be routed through proper channel. In case, where participants from ICAR/SAU/KVK attend the MTC, travel expenditure has to be borne by the concerned host department itself. There are no course fee charges to participants for attending this training.

TA/DA, BOARDING AND LODGING

The costs of travelling, boarding and lodging etc., of the selected participants from the State Department of Agriculture/ Horticulture and other related allied state departments will be provided out of the grant from the Ministry of Agriculture, Department of Agriculture & Co-operation, New Delhi as per norms and operational guidelines for organization of MTC. For the participants from ICAR/SAU/KVK/others, travel expenditure has to be borne by the respective host departments. All other participants will be reimbursed to and fro travel fare for the journey to Godhra by train or bus by the shortest route. The payment will be made as per their entitlement class of travel but restricted to the maximum AC-III tier train/bus fare allowance, any participant refusing to avail free boarding and lodging will not be given any cash payment in lieu thereof. He/she can, however, claim DA from their respective department after getting a certificate to the effect from the institute. Participants, are entitled to avail the lodging, boarding, and other facilities during the training period. The participants will be provided accommodation in the Guest Houses/Trainee Hostels of the Institute.

HOW TO APPLY?

Application for participation in the MTC may be made in the prescribed format as given herewith and forwarded by the competent authority where the candidate is employed. Applicants may send an advance copy (hard copy/email to the course director) if they anticipate delay in forwarding through proper channel. However, the final selection will be made only if the application duly recommended by the competent authority is received.

After the candidates are intimated of their selection, they should immediately reply with firm acceptance. Cancellation at the last moment for casual reasons after acceptance is undesirable as it will deprive other eager candidates who could have availed of the opportunity.

IMPORTANT DATES	
Last data for receipt of the application	21/11/2018
Intimation of Selection	23/11/2018
Participation confirmation by the candidate	25/11/2018

ABOUT GODHRA

Godhra is the administrative headquarter of the Panchmahals district Godhra is connected to all major towns of Gujarat by public transport service operated by GSRTC and Godhra is Railway Junction that connects Godhra with different parts of state and nation. Champaner, a UNESCO World Heritage site is located in this district. Godhra is known for the natural hot water spring that contain sulphur which is said to have medicinal value. Godhra is well connected to nearby cities Vadodara, Anand and Ahmedabad by road and railways having distance 80, 90 and 130 km, respectively.