



## College of Agricultural Engineering & Technology Anand Agricultural University, Godhra - 389001

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The College of Agricultural Engineering and Technology, AAU, Godhra have some active clubs such as Industry-Institute Interaction cell and Women Cell at college level. During year 2018-19, Industry-Institute Interaction cell had organized about 6 events to make bridge between industry people and students of the college.

### List of events n organized by active club in Year 2018-19

SN	Date of event/ competition (DD-MM- YYYY)	Name of the event/competition	Name active club / forum Through which program conducted
1.	27/01/2018	<i>Expert Lecture on</i> Prospects, Challenges and Opportunities of Agricultural Engineers in Enhancing Rural economy an self sustainability	Industry-institute Interaction cell
2.	15/02/2018	Participation of Graduate and Post Graduate students in “Open house-2018” organized by Sardar Patel Renewable Energy Research Institute (SPRERI), V.V. Nagar	
3.	8/03/2018	<i>Expert Lecture on</i> Life Skills: An Unviewed Horizon	
4.	14/09/2018	One day workshop on Energy Conversion Awareness	
5.	29/09/2018	<i>Expert Lecture on Entrepreneurship in Renewable Energy in Agriculture</i>	
6.	19/11/2018	Participation in One Day Training cum Workshop Program on “Current Scenario on Renewable Energy Technology in India”	

### ***Expert Lecture on Prospects, Challenges and Opportunities of Agricultural Engineers in Enhancing Rural economy an self sustainability***

The academia-industry Interaction Cell of the College of Agricultural Engineering and Technology Godhra organized an expert lecture and interactive session with Dr. Gajendra Singh, Emeritus Professor, Asian Institute of Technology, Thailand and Chairman, Science Committee of the Consortium, Appropriate Scale Mechanization Consortium for Sustainable Intensification, New Delhi on 27/01/2018. Dr R Subbaiah, Principal & Dean, welcomed the Emeritus Professor to the college with love and affection for the development agricultural engineering profession. Dr Singh visited various departments of the college and appreciated the efforts of the faculty in developing various laboratories pertaining to the department at par with national level. He shared some of his opinions with the departmental fraternity of the college which will help in further strengthening of the departments. Dr. Singh gave a brief presentation on “Prospects, Challenges and Opportunities of Agricultural Engineers in Enhancing Rural economy an self sustainability”. He emphasized about the conjunctive efforts of fraternity of the college along and students for inclusive growth in agricultural sector for overall development and for improved welfare of its rural poor. He discussed on following three challenges in agricultural sector:

1. The need to explore measures like increasing yields, diversification to higher value crops, and developing value chains to reduce marketing costs etc for increasing agricultural productivity per unit of land under the limited water and land situations
2. Reducing rural poverty through a socially inclusive strategy that comprises both agriculture as well as non-farm employment.
3. Developing climatic resilient strategies to synchronize agricultural growth with food security needs of the country

An interactive session with the students was scheduled on aspects related to job avenues higher studies and future prospects of Farm machinery equipments and instruments, micro irrigation system, processing of fruits, grains and vegetables, grains silos, energy and water conservation and management across the globe. The students were highly benefitted with the interactive session.



At the end of the program Dr. Pankaj Gupta, Head, Department of Soil & Water Conservation proposed vote of thanks.

**Participation of Graduate and Post Graduate students in “Open house-2018”  
organized by Sardar Patel Renewable Energy Research Institute (SPRERI), V.V. Nagar**

Second year students of B.Tech. (Agricultural Engineering) and M.Tech (Renewable Energy Engineering) students and two fraternity of the college participated in Open house-2018 on 15th February, 2018 organized by SPRERI.

Dr. Gaurav Mishra, Director, SPRERI addressed the students and introduced about the SPRERI. He explained about the functioning of SPRERI.

During the interactive session, students exchanged their views with the director's vision effectively. After the interactive session, students were exposed to various divisions of the institute in two batches. The institutional experts briefed up about the activities being undertaken towards enhancing green energy use in various agricultural activities. During the trip students gained practical knowledge about the handling of the different renewable energy based appliances having different characteristics and properties. The theoretical knowledge was imparted through experiential learning skills in the institute. Students expressed their heartfelt regards to the officials of SPRERI for the opportunity given to them.

This trip was highly useful for the students in gaining practical knowledge and to explore training/job avenues in the field of renewable energy sector.





## ***Expert Lecture on Life Skills: An Unviewed Horizon***

The Industry Institute Interaction Cell of the College of Agricultural Engineering and Technology Godhra organized an expert lecture and interactive session with Dr. M. K. Jhala, Associate Director of Research, Anand Agricultural University, Anand on 08/03/2018. Dr R Subbaiah, Principal & Dean, welcomed Dr. Jhala to the college with love and affection for the benefit of undergraduate and post graduate students of the college. Dr. Jhala gave a brief presentation on “Life Skills: An Unviewed Horizon”. The lecture is applicable for everyone, who would like to be most successful in career and look for a quality personal life. Ideally if these skills are given, the effect will be seen when the individual is ready to take decisions related to their choice of career and accordingly the selection of courses, be it professional or otherwise. Sometimes we are baffled with indecisive situations and to find answers become a herculean task. In such tricky situations, life skills help to bridge the gap. Keeping this into cognizance Dr Jhala emphasized on different types of life skills like study skills; negotiation skills; employability skills; leadership; presentation skills; parenting skills; time management; organizing skills.

He stressed that personal skills are the essential to maintain a healthy body and mind. He also focused on personal development; interpersonal communication skills; literacy: reading and writing skills and numeracy skills which will be very helpful in carving a stress free life. The interactive session with the students on life skills benefitted students and faculty of the college.



At the end of the program Mr. Hardik Sharma, Assistant Professor, Department of BEAS proposed vote of thanks.

One day workshop on  
**“Energy Conservation Awareness”**

One day workshop on “ENERGY CONSERVATION AWARENESS” has been organized jointly by College of Agricultural Engineering & Technology, Anand Agricultural University, Godhra and Gujarat Energy Development Agency, Gandhinagar on 14/09/2018.

The inaugural session of the workshop was presided by Dr. K. B. Kathiria, Director of Research and Dean PG Studies, AAU, Anand, Dr. R. Subbaiah, Principal & Dean, College of Agricultural Engineering & Technology, Godhra and Shri R. M. Panchal, Retired Chief Engineer (MGVCL) and GEDA Energy Consultant. The program was initiated with lightening of lamp by delegates. Dr. R. Subbaiah Principal & Dean of the College welcome the chief guest of the workshop Dr. K. B. Kathiria with floral boke. Welcome speech was given by Dr. D.K. Vyas, Associate Professor & Head, Department of Renewable Energy Engineering, College of Agricultural Engineering & Technology, AAU, Godhra. Shri R. M. Panchal briefly overview of the energy conservation awareness workshop. Dr. R. Subbaiah in his inaugural address stated the importance on energy conservation particularly to enhance productivity and reduce Greenhouse gas emissions to combat climate change and also advocated to adopt ecofriendly technologies in future. Dr. K. B. Kathiria emphasized to conserve energy and manage in agricultural sector from sowing to product realization so that the dream of Hon Prime Minister i.e doubling the farmers income by 2022 can be attained. Dr. N. Seth, Assistant Professor, Department of Process & Food Engineering, CAET, AAU, Godhra ended the program by expressing vote of thanks

The workshop programme covered various aspects based on the energy conservation topics, such as, “Need for Energy Conservation – Energy Scenario”, “Systems Approach & Energy Audit”, “EC Opportunities in Motors”, “Pumps & Variable Speed Drives”, “Energy Efficient Lightening - Techniques & Technologies”, “EC Opportunities in Refrigeration, Air-conditioning & Compressors”, “EC Opportunities in Boilers & Furnaces’ and “Renewable Energy Sources- types and importance” using power point presentation and questionnaire mode.

At the end of workshop programme, a valedictory and certificate distribution session was organized with live interaction with expert of energy auditor; where three students from under graduate and two students from post graduate students given their feedback and the facilitator also shared her experience. The points discussed in the session are as follows:

- Students mentioned that the programme was very useful for save the country a lot of money when we save energy.
- The facilitator mentioned the vibrancy and energy of the group. They appreciated the free interaction among different batches of students.
- Students also thanked College authority for arranging such programme at free of cost.

*“When you conserve energy within your own life, you not only protect the environment that you live in but your wallet is protected as well”*





### ***Expert Lecture on Entrepreneurship in Renewable Energy in Agriculture***

The Industry Institute Interaction Cell of the College of Agricultural Engineering and Technology Godhra organized an expert lecture and interactive session with Dr. Gaurav Mishra, Director, Sardar Patel Renewable Energy Research Institute (SPRERI), Vallabh Vidyanagar on 29/09/2018. Dr R Subbaiah, Principal & Dean, welcomed Dr. Gaurav Mishra to the college. Dr. Gaurav Mishra gave a brief presentation on “Entrepreneurship in Renewable Energy in Agriculture”. He talked with students about importance of biomass & role of renewable energy in agriculture. The lecture was very useful to all the UG and PG students, especially who would like to set his own business using renewable energy sources & get most successful in career and look for a quality business.

Dr. Mishra stressed that the world we are living is becoming more and more dependent on electrical energy, which is mostly coming from burning of the fossil fuels. Fortunately, more and more people are accepting the fact that this system simply isn't sustainable in the long-run, the shortage of these resources is something that is bound to happen in the nearest future, and it would pose an impassable obstacle towards the future growth of mankind. The Renewable energy source is the only solution for future energy crises, which is cheap and clean as compare to non-renewable energy sources. The economy of the nation can be improved by utilizing such easily managed energy sources.



At the end of the program Dr. D.K. Vyas, Associate Professor & Head, Department of REE proposed vote of thanks.



**Participation in One Day Training cum Workshop Program on  
“Current Scenario on Renewable Energy Technology in India”**

One day training cum workshop on “Current Scenario on Renewable Energy Technology In India” has been organized by Sardar Patel Renewable Energy Research Institute (SPRERI), V.V. Nagar and sponsored by Gujarat Council on Science and Technology, Department of Science and Technology, Govt. Of Gujarat on 19/11/2018

Dr. Madhuri Narra, Principal Scientist, Biochemical Conversion Technology Department, SPRERI addressed the students and introduced about the SPRERI. She explained about the functioning of SPRERI.

The training cum workshop programme covered various aspects based on the renewable energy technology topics, such as, “Bio Conversion Technology- Dr. Madhuri Narra; Thermo Chemical Conversion Technology- Dr. S. Karmee and Solar Energy Technology and Hydrogen Fuel – Dr. Vishal Singh, Head, Mechanical Department , ADIT College, VV Nagar using power point presentation and questionnaire mode.

At the end of workshop programme, a valedictory and certificate distribution session was organized with live interaction with expert of renewable energy; where two students from under graduate and one student from post graduate students given their feedback and the facilitator also shared her experience.



  
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