

## **COORDINATORS REPORT**

**Programme Title: One Week Students Development Programme on “Energy Auditing and Conservation Using Green Technology” organized by Mechanical Engineering Department and Lead College Activity Shivaji University Kolhapur from 21<sup>st</sup> -25<sup>th</sup> January 2019.**

### ***“Energy Conserved is Energy Produced!!! Go Green!!!***

The title of this one week Students Development Programme (SDP) is “Energy Auditing and Conservation using Green Technology (EACGT)”. The “ENERGY” is burning issue of Indian society and industries due to continuous shortage of fossils fuels, air pollution and inflation of fuel. In view of this the aim of programme was awareness among students to the society. Further, practical approach for energy auditing, conservation and green technology were objectives of SDP.

The present SDP comprise of six (06) working sessions and three (03) open discussion sessions. Also two days industrial visits were planed. Day 1, Session 1 was delivered by Mr. Dhanendra Gadale, Assistant General Manager, Shivshakti Sugars Pvt. Ltd. Raibag. Sir, told about ethanol role as substitute to fossils fuel. Also, he gave scenario using illustrations to energy demand, supply and deficiency of energy. Sir, shed light on industrial approach for energy. Day 1, Session two was delivered by Dr. A. N. Chapgaon, Professor, MED, AMGOI. Sir had shared his vast experience on green technology applications and implementation. Day 2, session 1 was delivered by Dr. D. S. Badkar, Dean R & D, AMGOI. Sir discussed wind turbine power calculations, installations and applications. Day 2 session 2 was delivered by Dr. A. B. Kolekar, Assistant professor and coordinator Department of Technology, S.U. Kolhapur. His enormous experience in alternative fuels and energy auditing and management was discussed with students. Sir, focused on energy institutions, instrumentations and various steps of energy auditing.

Day 3, session was delivered by myself on funding agency. I covered various government agency like MNRE, IREDA, SECI, BEE, MEDA etc also banking and non banking (financial institutions) private institutions . Day 3, session 2 was delivered by Mr. P. V. Kamble Assistant Professor, T.K.I.E.T., Warananagar. Sir, covered various conservation techniques, need with live illustration and examples. Each day last sessions were planed and conducted open discussions, hands on, plant visits etc. Students participated in all session with deep interest. Last two days of SDP were fulfilled by industrial visits at Spectrum Renewable Energy Pvt. Ltd, Warananagar, Science and Innovative park, Warananagar, and Urjankur, Shree Tatyasaheb Kore Warana Power Co. Ltd. Warananagar with certificate distribution and feedback collections.

**Acknowledgement:** I am priceless thankful to Dr. D. N Mudgal, Director AMGOI and Lead college activity cell, SUK, for permission and support. Also, Prof. V.A. Kulkarni, Dr. Mirje, Dr. A. N. Chapgaon, Dr. D. S. Badkar, Prof H. V. Shete, HOD and Mrs. S. V. Sagavkar coordinator Lead college for guidance. Further, all resources persons, students’ participants, one and all those who helped me directly or indirectly for success of this students development programme.

**Mr. S. P. Wategave**  
**Coordinator, SDP, EACGT**

**PHOTO GALLERY OF EVENT: “Energy Auditing and Conservation using Green Technology” 21<sup>st</sup> -25<sup>th</sup> January 2019.**



**Day 1, session 1: Mr. Dhanendra Gadale, AGM, shivshakti sugars pvt. Ltd. Ankali, Raibag delivered session on “Industrial perspective: Requirements and contributions”**



**Day 1, session 2: Dr. A. N. Chapgaon Professor, AMGOI, Vathar delivered session on “Green Technology”. Sir highlighted various green technology approaches.**



**Day 2, Session 1 Dr. D. S. Badkar Professor & Dean R & D, AMGOI, Vathar delivered session on status, calculations and installations of wind turbine power plant**



**Day 2, Session 2, Dr. A. B. Kolekar Assistant Professor & coordinator Department of Technology, SUK, delivered session on energy audit and management. Also, instruments for energy audit, steps, agency, report writing etc.**

**PHOTO GALLERY OF EVENT: “Energy Auditing and Conservation using Green Technology” 21<sup>st</sup> -25<sup>th</sup> January 2019.**





**All participants for Students Development Programme on "Energy Auditing and Conservation using Green Technology" 21st -25th January 2019.**



**Day 3, session 2 by Mr. P. V. Kamble sir, Assistant Professor , TKIET, Warananagar delivered energy conservation need, methods with illustration and examples. Also, numerical on energy load/cost calculation and prevention methods task was given to students by sir.**



**Plant visit for solar operated agriculture pump. @ agriculture land, near AMPC, Vadgaon on Day: 02, Session 3, Tuesday, 22/01/2019.**



**SDP EACGT Visit to Urjankur Tatyasaheb Kore Warana Power Co. Ltd., (A Thermax Pvt. Ltd. Unit, Warananagar). The average 40 MW-Hr power generation from biomass/bagass was visited and studied by students.**