

## **Report on Energy Summer Camp-2009**

(May 09 & 10, 2009, 10:00 AM to 5:30 PM)

Energy Conservation Mission (ECM), which has been conducting several activities including for students for the past five years, conceived of the idea of Energy Summer Camp-2009 for college students to provide them with a purposeful diversion from the curriculum just concluded for the academic year. The students comprised technical and non – technical disciplines.

Summer is rife with power-cuts. The unbearable ill-effects of the Power-cuts prompt the public to blame the Government and the Power Utilities. This expression of indignation will by no means bring any relief in the power position. Quietly analyzing, the problem lay in the demand-supply gap which, at the national level, is 11 to 13% in peak load and 8 to 9% in energy. At the same time, National Survey on energy conservation indicates a potential for saving 25% of energy in all spheres of consumption. The solution for power-cuts, therefore, lies in harnessing this potential at least by 50% Energy Conservation does not advocate cessation of the use of energy for valid purposes. Wastage of energy, in all its forms, should be avoided by adopting efficient means. To drive home this positive thinking to the students who can spread the message in their neighborhood and beyond, ECM has set the theme of “Power-Cut Management” to this Energy Summer Camp. Essentially, the theme is synonymous with energy conservation.

Five eminent speakers dealt with the topics of relevance to the participants as follows.

- i) LED – The Future Lighting – by Sri K Vijaya Kumar Gupta, Director of Kwality Electricals Ltd, Hyderabad.
- ii) Art of Load Management in Power Utilities – by Er U Vidyasagar, DE of APCPDCL.
- iii) Power-Cut Management in Domestic Sector – by Sri G Subramaniam, Director of Siri Exergy and Carbon Advisory Services Pvt Ltd.
- iv) Renewable Energy and Youth Employment by Sri P Srirama Raju, Hon. Secretary, SESI A.P Chapter.
- v) Decentralized Energy and CHP Potential A Possible Energy Solution – by Sri Sridhar Samudrala, CEO, International Energy Consulting Co.,

The speakers had a lively interaction with the participants answering their doubts and also putting questions to them. The organizers gave away two prizes to the two best answerers of each speaker. In the true spirit of a camp, the energy talks were interspersed by energy quiz and energy games.

The participants of the Summer Camp were subjected to a brain storming exercise on 'Green Manifesto' in five groups. Leaders of the groups presented interesting Manifestos finalized by their groups in the spirit of a competition. A Green Poster competition was also held for the five groups of participants. Innovative posters depicted various aspects of Saving the Mother Earth and averting the Climate Change. Documentary CD's and a power-point presentation on Solar Energy by a student punctuated the programme.

The highlight of the Energy Summer Camp – 2009 was an interesting performance of Vedic Mathematics, entitled "**Ganitha Ashtaavadhaanam**" by Master **G S Srikara Sarma**, a student of Standard VI (11 years old). He answered eight questioners on various mathematical aspects comprising square roots, cube roots, fifth roots, magic square, calendar (days & dates), addition-made-easy, long digit number memory and history of Vedic Mathematicians,. The performance which called for extreme memory power and concentration was an inspirational treat to the participants. The child prodigy was honored by the traditional shawl and gifts by **Er T Dharma Rao, Vice-chairman, ECM, Blessings were showered on the child by Dr Ramachandra Reddy, Director CBIT and Dr Linga Reddy, Director MGIT.**

In order to give a light and entertaining touch, after a period of intense study for exams, the students' programme was designed in the format of a TV, with a boy and a girl (G Shripad & P Sri Swathi Kiran) acting as smart anchors. At every 'break' of a serious item, there was a game or entertaining quiz. A special feature of the Energy Summer Camp – 2009 was the lighting of the Inaugural Jyothi by the participating students. Prizes and Participation Certificates were distributed to the students by Prof T Narayana, Hon. Secretary of The Institution of Engineers (India), A P State Centre and Wg Cdr V L Nanda Kumar (Retd), Chairman, ECM. Both the inaugural and the concluding Sessions of the camp ended with the profound Energy Pledge administered by a student to all participants.

At the end of the Camp, the participants were highly charged with an energy bias and yearned for the next Camp. Spontaneously the students formed a committee and decided to meet periodically and organize future activities.

The entire programme was meticulously designed and organized by Prof G Gopinath, Prof C B V Subbarayudu and Prof G Suresh Babu under the expert guidance of Er A R Venkatraman, Core Group Member of ECM.