



February 25, 2020

REPORT ON BEE BRIGHT IDEA COMPETITION

The Institute of Renewable Energy Technology & Management , School of Studies in Electronics & Photonics jointly with Chhattisgarh Renewable Energy Development Agency CREDA organized **BEE Bright Idea Competition** for students on 24th Feb., 2020 for creating awareness of Energy Conservation and to depict their vision of the clean and energy efficient future. The event was designed to give students the opportunity to develop an idea, have it evaluated and win a prize! **BRIGHT IDEA** competition provides a platform to Students where they come up with an Innovative Idea or a solution in the field of Energy Conservation or Renewable Energy through the medium of Speech or PPT or through painting.

The Government of India set up Bureau of Energy Efficiency (BEE) with the primary objective of reducing energy intensity of the Indian economy. CREDA as a State Nodal Agency is organizing Awareness campaign through organizing Events and competitions in School & Colleges. Throughout the competition process, entrants can develop their innovative thinking and capabilities.

The **BEE Bright Idea Competition** was inaugurated by **Shri Sanjeev Jain Chief Engineer CREDA** and presided by Prof. K L Verma Vice Chancellor PRSU and with distinguished guest Shri Dinesh Awasthy SE CREDA and Coordinator Dr Sanjay Tiwari. The Institute of Renewable Energy Technology & Management , School of Studies in Electronics & Photonics jointly with Chhattisgarh Renewable Energy Development Agency CREDA were organizers with aim of creating awareness of Energy Conservation and to depict their vision of the clean and energy efficient future. It is designed to give students from any discipline the opportunity to develop an idea, have it evaluated and win a prize! **BRIGHT IDEA** competition provides a platform to Students where they come up with an Innovative Idea or a solution in the field of Energy Conservation or Renewable Energy through the medium of Speech or PPT.

This competition supported student to develop a range of skills including creativity, problem-solving, teamwork, and innovative-thinking. The competition has been designed to be flexible enough for entries to come from students and researchers who are interested to excel their career in the field of Energy Conservation and Renewable Energy.

Chief Guest Shri Sanjiv Jain said India has a surplus power generation capacity but lacks adequate distribution infrastructure. To address this, the Govt of India launched a program called "Power for All". India is the world's third largest producer and third largest consumer of electricity. The national electric grid in India has an installed capacity of 368.79 GW as of 31 December 2019. Renewable power plants, which also include large hydroelectric plants, constitute 34.86% of India's total installed capacity. He also informed that Ministry of Power has introduced the 'Super Energy Efficient Program', which is aimed at accelerating the adoption of energy efficient appliances in designated sectors. fuel efficiency standards envisaged for the automobile sector is expected to achieve a twenty percent reduction in average fuel consumption by 2022, compared to the level of 2009. Such efforts will go a long way in restricting the spiraling demand for energy by some of the most energy-intensive sectors of our economy.

Prof K L Verma Vice Chancellor said on the occasion that these have to be conscious of the need to conserve our resources through their utilization in a truly sustainable manner. Efficient use of resources has to begin from our homes. The educational systems have to be utilized extensively for integrating the concept of sustainability into the social systems. A greater intensity of science and technology in the energy sector is required today. Energy is increasingly recognized as a strategic commodity. He added any supply constraint can adversely impact the



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economy of a country, more so of a developing country. India has embarked on a high growth strategy to achieve all-round development.

Shri Dinesh Awasthy said Ministry of Power has introduced the 'Super Energy Efficient Program', which is aimed at accelerating the adoption of energy efficient appliances in designated sectors. This initiative would require the development of appliances that are more efficient and affordable. It would also spur greater innovation in the manufacturing sector in India. He added National Mission on Enhanced Energy Efficiency has put in place the mechanism of Perform, Achieve and Trade for industry to push the cause of energy efficiency. More such initiatives are necessary to include energy efficiency as a core performance parameter for our industry

Program Coordinator Dr Sanjay Tiwari said Goal 7 of the UNO **Sustainable Development Goals** aims to correct this enormous imbalance by ensuring everyone has access to **affordable**, reliable, and modern **energy** services by the year 2030. Our progress in the future will be determined largely by the level of technology that will drive our economy. With the growing population of the world, energy requirements are also increasing. But the speed at which energy requirement is increasing, the fear of destruction of all resources of energy has started increasing. Therefore, it is necessary that we pay special attention to energy conservation or develop other resources for its replacement because if we are not successful in our efforts during the time, then entire human civilization can be in danger. He emphasized on formation of Energy Conservation Group of participants and will meet with unique ideas weekly to make it a movement.

Prof K L Verma distributed the prizes to winners of both events.

In painting competition, Meenal Deherai from St Thomas College got first prize, Shri Suryavanshi Nagesh from J N Pandey School got second prize and Gajanan Yadav from School of Electronics & Photonics got third prize.

In the Speech Competition Yugal Kishore and Kameshwarrao from NIT got first & Second Prize and Yamini Hussain from St Thomas College Bilai stood third. The winners got Certificate of merit, Cash Prize, a Memento, a Book and Solar Study Lamp made by students of Institute of Renewable Energy.

The ideas of students will be tested at Incubation Centre of NIT and technical support will be extended.

Dr Arvind Girolkar Former Principal, Govt Girls College Raipur, Dr. Preeti Suresh Professor & Head Institute of Pharmacy PRSU, and Dr R N Patel Associate professor ,Deptt of Electrical Engineering & Incharge Incubation Centre NIT Raipur did the judgement and motivated students in valedictory .