

Report of Renewable Energy Committee (2023-24)



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➤ **Workshop and Exhibition on the theme ‘Renewable energy for sustainable development’ to celebrate Akshay Urja Diwas-2023**

Renewable Energy Committee & MCM Eco-Club ‘Parivesh’ organized a Two days’ Workshop and Exhibition on ‘Renewable energy for sustainable development’ on 22nd and 23rd August, 2023 to celebrate Akshay Urja Diwas-2023. The aim of the event was to revitalize scientific innovative skills among the students while tapping various sources of Renewable Energy. The resource person of the workshop was Dr. R. Ridhi, Assistant Professor, Department of Physics. Dr. R. Ridhi mentioned that it’s imperative in current scenario to train students at their early stage of education to work for the societal problems and utilize their knowledge skills in contributing for their nation. She emphasized that there is an urgent need to work in the domain of energy storage applications utilizing renewable sources of energy. She highlighted the impediments and challenges of utilizing dams, wind turbines, and grids on solar panels. There is need for better alternative sustainable sources to contribute significantly in achieving UN Sustainable Development Goals (SDGs). As many as 50 students participated in the workshop. Around 6 working models were prepared by the students in groups under the supervision of Dr. R. Ridhi and Dr. Pallavi Gupta.



MCM celebrates Akshay Urja Diwas

THE AMAN SANDESH TIMES

Chandigarh: To mark the celebration of Akshay Urja Diwas, the Renewable Energy Committee and Eco Club- Parivesh of Mehr Chand Mahajan DAV College for Women, Chandigarh, organised 2-day workshop and exhibition on 'Renewable Energy for Sustainable Development'.

The resource persons for the 2-day event were Dr. R. Ridhi, Assistant Professor (Department of Physics at the college and Former Research Associate, DRDO, Delhi), and Dr. Pallavi Gupta, Assistant Professor (Department of Physics at the college). Inaugurating the workshop, Principal Dr. Nisha Bhargava mentioned that there is an imperative need to work in the domain of energy storage applications utilising renewable sources of energy.

She highlighted the impediments and challenges of utilising dams,



wind turbines, grids on solar panels, and asserted that there is a need for better alternative sustainable source to contribute significantly in achieving UN sustainable development goals (SDGs). The inaugural session was followed by the training session in which around 50 students participated.

Dr. R. Ridhi mentioned that it's imperative in current scenario to train students at their early stage of education to work for the alleviation of societal problems and utilise their knowledge and skills in contributing

for their nation's development.

The participants prepared working models on various themes like wind energy based on electromagnetic induction, irrigation system using solar power, hydraulic machine based on Pascal's law and night street sensors.

On day 2, exhibition and demonstration of the models prepared was held. Witnessing enthusiastic participation, the workshop successfully achieved its objective of motivating the students to correlate science theory with practical training.

एमसीएम ने अक्षय ऊर्जा दिवस मनाया



प्रदर्शनी में लगाए गए मॉडल तथा (दाएं) डॉ. पल्लवी गुप्ता की स्वागत करते हुए प्रिंसिपल निशा भार्गव।

सवेरा न्यूज/निशा भार्गव

चंडीगढ़, 24 अगस्त : एमसीएम डीएवी कॉलेज फॉर वूमन 36 में वीरवार को अक्षय ऊर्जा दिवस के उपलक्ष्य में रिन्यूएबल एनर्जी कमेटी और इको क्लब-परिवेश ने हरिन्यूएबल एनर्जी फॉर सस्टेनेबल डेवलपमेंट पर 2 दिवसीय कार्यशाला

और प्रदर्शनी का आयोजन किया गया। 2 दिवसीय कार्यक्रम में कॉलेज के भौतिकी विभाग में सहायक प्रवक्ता और डीआरडीओ, दिल्ली में पूर्व अनुसंधान सहयोगी, डॉ. आर. रिद्धि और इको क्लब-परिवेश ने सहायक प्रोफेसर डॉ. पल्लवी गुप्ता, कार्यशाला में बतौर मुख्य वक्ता शामिल



हुए। कार्यशाला का उद्घाटन करते हुए प्राचार्या डॉ. निशा भार्गव ने कहा कि ऊर्जा के नवीकरणीय स्रोतों का उपयोग करने के नवीकरणीय स्रोतों का उपयोग करने की अनिवार्य आवश्यकता है। उन्होंने बोधों, पवन के बाद प्रशिक्षण सत्र हुआ जिसमें लगभग 50 से अधिक स्टूडेंट्स ने हिस्सा लिया।

एमसीएम ने मनाया अक्षय ऊर्जा दिवस

चंडीगढ़, 24 अगस्त (राम सिंह ब्राह्मण) : अक्षय ऊर्जा दिवस के उपलक्ष्य में मेहर चंद महाजन डीएवी कॉलेज फॉर वूमन, चंडीगढ़ को रिन्यूएबल एनर्जी कमेटी और इको क्लब-परिवेश ने रिन्यूएबल एनर्जी फॉर सस्टेनेबल डेवलपमेंट पर 2 दिवसीय कार्यशाला और प्रदर्शनी का आयोजन किया। 2 दिवसीय कार्यक्रम में कॉलेज के भौतिकी विभाग में सहायक प्रवक्ता और डीआरडीओ, दिल्ली में पूर्व अनुसंधान सहयोगी, डॉ. आर. रिद्धि और कॉलेज के भौतिकी विभाग में सहायक प्रोफेसर डॉ. पल्लवी गुप्ता, कार्यशाला में बतौर मुख्य वक्ता शामिल हुए। कार्यशाला का उद्घाटन करते हुए प्राचार्या डॉ. निशा भार्गव ने कहा कि ऊर्जा के



एमसीएम कॉलेज-36 में कार्यशाला में भाग लेती हुई छात्राएं। (छाया : मुदिद सिंह)

सामाजिक समस्याओं के निवारण के लिए प्रशिक्षित करना और अपने देश के विकास में योगदान देने के लिए अपने ज्ञान और कौशल का उपयोग करना अनिवार्य है। प्रतिभागियों ने इलेक्ट्रोमैग्नेटिक इंडक्शन पर आधारित पवन ऊर्जा, सौर ऊर्जा का उपयोग कर सिंचाई प्रणाली, पास्कल के नियम पर आधारित हाइड्रोलिक मशीन और नाइट स्ट्रीट सेंसर जैसे विभिन्न विषयों पर चर्चा मॉडल तैयार किए।

दूसरे दिन तैयार किए गए मॉडलों को प्रदर्शनी आयोजित की गई। जवाहरलाल नेहरू के कारण, कार्यशाला ने विद्यार्थियों को व्यावहारिक प्रशिक्षण के साथ विज्ञान सिद्धांत को सहसंबंधित करने के लिए प्रेरित करने के उद्देश्य को सफलतापूर्वक प्राप्त किया।

CHANDIGARH, AUG 24

To mark the celebration of Akshay Urja Diwas, the Renewable Energy Committee and Eco Club- Parivesh of Mehr Chand Mahajan DAV College for Women, Chandigarh, organised 2-day workshop and exhibition on 'Renewable Energy for Sustainable Development'.

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➤ **One-day Educational visit to Science Exhibition on “Renewable Energy and Electric Vehicles” organized by CREST, Chandigarh Administration**

Renewable energy Committee in collaboration with the Department of Physics organized an educational visit for 30 students of BSc Non-Medical and BSc Computer Applications to the Science Exhibition on “Renewable Energy and Electric Vehicles” organized by CREST (Chandigarh Renewal Energy and Science & Technology Promotion Society), Chandigarh Administration in Sector 17, Parade ground on 23rd September, 2023. The aim of the visit was to sensitize students about the applications of electrically charged vehicles, night street sensors, Light emitting diodes (LEDs) and cooking stoves based on kitchen waste utilizing renewable energy resources. Teacher in charge Dr. R. Ridhi (Assistant Professor Department of Physics and member of Renewable Energy Committee) and Mr. Jai Prakash (Senior Lab attendant, Department of Physics) accompanied the students during the visit. Students had a great learning experience while interacting with various displayed products based on electrically charged vehicles, Aluminium and PVC lined Windows, LEDs and Night street lights based on Solar panels energy storage, Gas stove operation based on kitchen organic waste, Electrically charged loading van and many more. Demonstration sessions were also attended by the students to enhance their learning skills and to create their own innovative ideas for their future research projects. Two students of BSc I (Non-Medical), Manal Chaudhary and Saumya Gautam gave a short talk on "Significance of Aditya L1 mission for analyzing solar harnessing efficiency" and "G20 highlighting Renewable energy resources". Manal Chaudhary was also the winner of the short games conducted during the exhibition.



