



Dayalbagh Educational Institute (Deemed to be University)

DEI news

October 2022
No. 57

Patent Awarded to Our Institute

A Patent has been awarded to Dayalbagh Educational Institute for '**Field Programmable Gate Array-Based Processing Engine for Electric Power Transmission Lines**'. The Inventors are, Prof. D. Bhagwan Das, Dr. Varun Maheshwari and Prof. A. K. Saxena.

Summary: The senior faculty of the Institute have developed an improved hardware processing engine based on FPGA for multi-functional digital relays for power transmission systems, which can execute sensing, processing, and communication of data concurrently, for reducing computational time and improving the performance of the relays.

Dayalbagh Educational Institute and Michigan State University, USA Renew and Broaden Partnership

Dayalbagh Educational Institute (DEI) shares a historical relationship with Michigan State University (MSU) dating back to 1960, when Most Revered Prof. Prem Saran Satsangi Sahab, currently the Chairman, Advisory Committee on Education, Dayalbagh Educational Institutions, joined MSU as a graduate student after accepting the prestigious USAID TCM Scholarship and worked with the doyens and stalwarts of Systems Science and Engineering. He graduated with a Master's degree in Electrical Engineering with the highest academic accomplishments, after completing the requirements of the degree in less than a year.

DEI entered into a formal partnership with Michigan State University in 2012 through an agreement with the College of Engineering. This agreement led to the exchange of visits, collaborative projects and joint publications. The MoU was renewed after the initial five-year term in 2017 and was also expanded to include the College of Agriculture and Natural Resources and the College of Education. As the collaboration between the two Universities continues to thrive and flourish, the agreement has been renewed again in September 2022 and is now University-wide on both sides, with provisions for the development of collaborative programmes under the University Grants Commission, India (Academic Collaboration between Indian and Foreign Higher Educational Institutions to offer Twinning, Joint Degree and Dual Degree Programmes) Regulations, 2022.

NABARD Team Visits DEI

A team of 55 District Development Managers from various districts and other senior officers led by Mr. S.K. Dora, Chief General Manager of the National Bank for Agriculture and Rural Development (NABARD) visited DEI on 22 September 2022 to explore the possibility of collaboration between NABARD and DEI. The team visited the Solar-Agri Farm, DEI Dairy Campus, DEI Anupam Upvan, HTTP Lab and the exhibits displayed by the students various B. Voc. Programmes along with other facilities of the Institute.

The NABARD has shown interest and agreed to collaborate with DEI on various programmes for rural development. In the initial phase, the following developmental programmes are envisaged to be undertaken-

1. Livelihood Initiative by Skill Development in Handcraft Products in Textile Sector
2. Skilling for Sustainability in Bamboo & Wood
3. Skilling in Pottery and Ceramic

Farmer Producer Organization (FPO) for Rural Youth and Farmers

1. Food and Dairy skilling for better livelihood using the low-cost vehicle for milk testing & milk adulteration testing (GoMatta) & (Kemat)
2. A low-cost poly house using IoT Technology, Drones and Hydroponics & Aeroponics





3. Waste Management (Composting & Agricultural Waste)
 4. Low-cost Solar Farming
 5. Other innovative Low-cost Models suitable for Replication in Rural Areas.
- The DEI is in the process of registering and submitting the project proposals.

Faculty News:

Education Faculty:

Staff News:

Dr. Sona Dixit acted as a resource person in the One-Day Conference on “Sensitization of District Court Judges on Gender Justice and Differently Abled Victims/Survivors of Sexual Abuse” organized by Judicial Training and Research Institute, UP on 18 September 2022 at J.P. Sabhagar, Agra.

Science Faculty:

Student's Achievement:

Ms. Gunjan, a Ph.D. Scholar of Chemistry Dept. presented a poster at a Two-Day International Conference on Hydro and Renewable Energy Net Zero Carbon Energy Systems organized by the Department of Hydro and Renewable Energy, IIT Roorkee on 17-18th Oct 2022. She got the first position for her poster entitled, "Efficacy of Water Hyacinth and Petha Wastewater as a Sustainable Biofuel Feedstock".

School News:

DEI Prem Vidyalaya:

Students' Achievements:

- During the 45th National Systems Conference and Fourth International Conference on Dayalbagh Science of Consciousness, which were held during September 25-29, 2022, students of DEI-Prem Vidyalaya displayed exhibits of Science, Home Science, and Vocational Courses. The students of the Science stream displayed their working models which included some interesting themes like, 'How to Generate Wind Energy for Clean Energy', 'Driver Drowsiness Detection System', 'A Step Towards Super Intelligence Student Entrepreneurship through Coding', 'Agro Integrated-Sensors Devices', 'Super Intelligent Machine vs Superman', 'Health Care Habitat', etc.
- Ms Mukti Sahani, a student of class X, presented a paper entitled, 'Tribal Consciousness: A Traditional Vision of Collective Belonging', in the Fourth International Dayalbagh Science of Consciousness, which was adjudged one of the Best Papers.



Soami Nagar Model School, Delhi:

SNMS student earns recognition as The Ambassador of Cleanliness and Sustainability at the National Level

A two-day programme, 'Swachhta Saarthi Samaroh' was organized on 30 September and 1 October 2022, at the Indian Institute of Technology (IIT), Delhi. This event marked the completion of the first year of the Swachhta Saarthi Fellowship (SSF) of the Waste to Wealth Mission of the Office of Principal Scientific Adviser (PSA), Government of India. On the occasion, Arya Swaroop from Class XII, Soami Nagar Model School, Delhi was selected along with 18 others for the award of the prestigious SSF in the 'A' category out of 400 contenders. He received a fellowship amount of INR 5000.



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