

## Celebrating Excellence: DEI's Recognition at Anveshan 2025 National Finals

Anveshana, a prestigious Science and Engineering competition organized by the Agastya International Foundation in collaboration with Synopsys, provides a platform for fostering innovation and mentorship among engineering students and school learners. The competition emphasizes hands-on learning, encouraging participants to develop innovative solutions to real-world challenges. The 2024-25 edition of Anveshana focused on 'Innovative Solutions for Sustainable Living,' addressing key concerns such as water conservation, waste management, renewable energy, and sustainable agriculture.

The National Level Anveshan 2025 Science and Engineering Fair was held on February 6-7, 2025, at the National Science Center in Delhi, where 45 teams from various institutions across the country competed. Dayalbagh Educational Institute (DEI) was proud to have three teams qualify for this prestigious competition. Among them, Ritik Diwakar, a 3rd-year Electrical Engineering student at DEI Technical College, demonstrated exceptional innovation and perseverance, securing the **4th position** and receiving a cash prize of **Rs. 15,000**.

The competition was conducted in two rigorous phases. In the first phase, all 45 participating teams presented their projects, out of which 15 teams were shortlisted for further evaluation. The second phase involved an in-depth review of these selected projects, ultimately leading to the recognition of the top five teams, including Ritik Diwakar from DEI.

Ritik's project focused on addressing everyday challenges faced by farmers through innovative and cost-effective solutions. His **multipurpose stick** is designed to serve multiple functions, including aiding in walking, plucking fruits, storing essential tools, carrying a first aid box, providing shelter with an integrated umbrella, and even serving as a portable seat. This single device integrates **10-12 functionalities**, significantly improving the efficiency and convenience for farmers. Another highlight of his project was the **Smart Sprayer**, which facilitates easy and efficient pesticide application in fields without requiring electricity or excessive manual effort. Both innovations aim to enhance agricultural productivity while ensuring affordability and accessibility for farmers.

Ritik Diwakar's achievement at the National Level Anveshan 2025 underscores DEI's commitment to fostering research, innovation, and real-world problem-solving. His success serves as an inspiration for students and reinforces the institute's mission to contribute to technological advancements that benefit society. DEI Technical College takes immense pride in his remarkable accomplishment and looks forward to continued excellence in future competitions.

