

DHVTSU Young Scientists Champions in the 2017 RICE



Don Honorio Ventura Technological State University Senior High School Students championed in the Regional Invention Contest and Exhibits (RICE) 2017, Student Creative Research Category (Sibal Award for High School Level); while College of Engineering students won third place in the same category (Sibal Award for College Level). RICE was held in July 25-27, 2017 at the Central Luzon State University.

Development and Testing of Organic Water Color was proposed by Senior High School students: **Billierei L. Rubio, Christine Marie D. Masing, Darlene Joy H. De Luna, Kimberly Jane L. Garcia, Janine D. Guiao** and **Angelica Macaspac**, who were advised by **Mrs. Louie Fe Villanueva** won the **first place**, competing against participants from around Central Luzon. The research project aimed to develop a more affordable water color using materials that are generally available in a kitchen, and plant extracts – organic materials.

ARDUINO Based Egg Incubator for Anas Luzonica Eggs with GSM Module for Notification System was designed by students from the College of Electronics Engineering: **Herson N. Mañalac, Mark Robert C. Merto Jr., Edmar D. Mesina, Natalie Ianne E. Sibug** and **Nigel E. Teodoro**, advised by **Engr. Jerwin Deysolong**. The project won **third place** for the college level under the same category. The research project introduces a poultry egg incubator that uses Medium Density Fibre Board with Insulation Foam, proven to maintain consistent temperature needed for incubation, which ultimately lessens egg mortality rate. Some of the features of the project are: automatic (egg) turning system, self-monitoring temperature and humidity system, digital display, and user information notification system using GSM technology.

DHVTSU, through the Research and Development Services Office, sent ten potential entries for the pre-selection process to the Department of Science and Technology regional office. After undergoing a review in DOST, all ten research paper were qualified to enter RICE.

RICE, serving as a qualifying round for the National Invention Contest and Exhibits, is an annual competition conducted regionally in cognizance of the research and invention efforts of Filipinos around the country.

Student Creative Research encourages students of both high school and college to invent projects/models that will have significant contribution to Science and Technology innovations.

The winners in the Regional competition are set to compete in the national level in November 2017.