



CSU Ignites Research Culture: Teachers Develop Action Research Proposals to Revitalize Science Education

Caraga State University (CSU) successfully conducted the three-day Training-Workshop on Action Research Development in Science for Basic Education from May 25 to June 08, 2024, gathering undergraduate, graduate students, and Science teachers from partner schools to advance pedagogical practices. The workshop's main goal, as outlined by the training team, was to improve, refresh, and upskill teacher-participants in developing action research, fostering a culture of teamwork for tackling contextualized classroom issues, and adapting to the new curricular paradigm. Day 1, led by speaker Ms. Apple Jane Lima, a faculty member and accomplished researcher, focused on the fundamentals of action research, including problem identification, planning interventions, research design, and ethics. This foundational session culminated in participants developing ten initial action research proposals—covering topics from gamification and Excel-based evaluation systems to digitized instructional materials—which received immediate feedback and mentoring from the present experts.

The subsequent sessions honed the participants' ability to execute their research and disseminate their findings. Day 2, led by Dr. Minie Labadan Bulay, provided crucial training on Data Gathering Techniques, Data Analysis, and Interpretation, emphasizing the difference between quantitative, qualitative, and mixed-methods approaches. The session included a hands-on activity using data analysis software Jamovi and Taguette, empowering participants with practical skills for rigorous data management. The final session on June 8 featured Dr. Julie S. Berame, who expounded on "Writing Publishable Action Researches in Science Education," covering the IMRaD format, publication ethics, and journal selection. The workshop concluded with the presentation of final action research proposals to a panel, recognizing the top two proposals, including one on the "Effectiveness of Flipped Classroom Instruction on Teaching Robotics." The event underscored the collaborative commitment of CSU, partner schools, and the Butuan City Division to professional development, leaving participants with a resounding challenge to pursue their research and lead positive change in Science education for their students' benefit.