

COLLEGE OF ENGINEERING, ARCHITECTURE AND TECHNOLOGY RESEARCH AGENDA

The College strives to be a leading institution in Engineering, Architecture, Technology and Graphics Design and Multimedia education through offering relevant academic programs, research activities, creative works and community extension services.

With its up to date laboratory equipment and facilities, the faculty members, students and staff can conduct innovative research, experiments, formulate design and plans in both basic and applied research approaches that strengthen the academe, industry and government linkages.

Through the research output, the College establishes itself as potential partners of the industry and government for both local and national, to address the current challenges in economic development, environment conservation and preservation to improve the quality of life for the betterment of the future.

Challenge

Keeping in line with the College vision, “to response to the needs of the Church and the Nation for human and Christian education particularly the youth at risk”, and the Institutional Research Thrust, the primary objective of the research activities is to address through innovation, some of the specific needs of the community and industry primarily in the province of Cavite.

Thrusts

The College research activities focus on answering the following questions that summarize the research interest areas of the CEAT.

1. What are the innovative ways to manage all types of waste that the province of Cavite produces?
2. How can we ensure that Cavite would still be able to supply itself with clean and sufficient water?
3. What systems and technologies can be developed to better manage the risks posed by natural and man-made disasters as well as those brought by climate change?
4. How can we redevelop community plans while valuing cultural heritage in architecture, incorporating green technology and the use of indigenous materials in product development and construction, and utilizing modelling software in improving traffic management?
5. How can we develop and implement information and communication technologies in the government and industries without sacrificing the value of manual operations in their systems and processes?