



# FIRST CITY PROVIDENTIAL COLLEGE

Francisco Homes, Narra, City of San Jose del Monte, Bulacan



## CENTER FOR RESEARCH, DEVELOPMENT AND INNOVATION

### College of Engineering 2019-2024

The Research Agenda for the College of Engineering specific to Civil Engineering program. Research studies focus on specific area of topics in addition to the College teaching and learning process and activities.

#### Priority Research Areas for Civil Engineering

- 1.1 Sustainable Infrastructure Solutions
  - 1.1.1 Structural Design
  - 1.1.2 Material Development and Testing
  - 1.1.3 Construction Methods and Project Management
  - 1.1.4 Transportation Engineering
- 1.2 New construction materials and techniques
- 1.3 Vulnerable Ecosystems
  - 1.3.1 Carrying capacity models of ecosystems
  - 1.3.2 Environment and pollution control
- 1.4 Safety in the Workplace and Environment
- 1.5 Disaster Risk Reduction; Disaster Preparedness

***Reference: DOST Harmonized NRDA 2017-2022***

#### Research Facilities

1. Research Center equipped with computer terminals with research software and strong internet connectivity.
2. Computer Laboratories.



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### Research Themes

#### 1. Research for the Community

Research topics that incorporate engineering software and equipment for use in the environment and infrastructure-related issues, disaster preparedness, and safety of the community.

#### 2. Research for the Industry

Research topics that incorporate engineering software and equipment for use by the industry and with potential for commercialization.

#### 3. Research in Support of Teaching-Learning

- Safety in the Workplace and in the Environment.

Since the Philippine government already adopted new laws concerning safety and health in workplaces, the focus on this area would contribute in the awareness of school community with the compliance. Its most significant area would be its impact on the environment and ambiance of classroom and laboratories.

Prepared by:

#### Committee on Research and Innovation

College of Engineering

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Faculty Members



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