



PROJECT PROPOSAL

Activity Title:	Profiling and Scoping of the Metal Industry Sector in Region IVA-Calabarzon
Target Date:	3 rd Quarter, C.Y. 2020
Sites of Implementation:	Provinces in Calabarzon (Cavite, Laguna, Batangas, Rizal, Quezon)
Target Participants:	Metalworking-related micro, small, and medium enterprises (MSMEs)
Project Cost:	Php70,000.00

Rationale:

Industrialization promotes resurgence of manufacturing, but without technology and innovation, industrialization will not happen. In a report by the Cornell University, European Institute for Business Administration (INSEAD), and the WIPO, the Philippines remained 73rd of 126 economies in the 2018 Global Innovation Index despite high scores in business environment, education, and ICT. Recognizing the challenges that comes with science, technology and innovation, the DOST endeavours a massive investment on S&T human resource development and R&D to capacitate HEIs to undertake quality research and promote regional development.

Cavite State University is supportive of this aim, which in fact has led to the development of the CvSU Technology Ideation, Innovation, Incubation and Training Center (Technovation Center). The strategic location of Cavite and Laguna near various economic zones is a seamless melting pot for R&D and innovation initiatives. Cavite, Laguna and Rizal, which are homes for more than 1000 industrial establishments is a powerhouse for industrial growth and development. Among the functions and purpose of the center is focused on addressing the needs of industry partners and MSMEs on product innovation and research, provide technical and entrepreneurial capability building activities, and forge strong partnerships between and among key players of the metal industry.

In pioneering the operation of this center, there is a need to profile the metalworking industry in the CALABARZON region. Hence, this survey will be conducted to collect various data on the needs and undertakings of the MSMEs in the region and know and understand their business profile, products and services, business enabling environment, and market profile among others.

Objectives

The main objective of this project is to profile the metalworking industry in the Calabarzon focusing on the business operations of the MSMEs to assess their current status and determine their technology and training needs.

Specifically, this aims to:

1. identify the key players composed of the private sector and MSMEs involved in the metal industry in the region;

2. survey and document the following: available products and services, business profile, capitalization, various organizational frameworks, business enabling environment, and gender roles of the men and women in the industry setting, and technologies adopted and used; and
3. identify the technology and training needs of the industry key players.

Strategies of Implementation

Activity 1. Coordination with partners agencies

Prior the conduct of the survey, the proponents will seek the endorsement of the University President to the regional director of the DOST, for easier cascading (among the MSMEs in the region) of the invitation to participate in the survey. The regional DOST office is in network with the metal industry sector through the DOST provincial directors. Furthermore, other target partner agencies including SUCs will also be sent communications expressing intent to collaborate. Whenever necessary, memorandum of understanding or agreement (MOU/MOA) shall be drafted and processed.

Activity 2. Instrumentation, validation, and pilot testing

A survey instrument that will collect information on the business background of the participants, products and services, profile, capitalization, organizational frameworks, business enabling environment, and technologies adopted among others will be designed and validated. The validation will require the comments and recommendations of experts and the partner agencies. Upon validating the instrument, an electronic survey (e-survey) form will be developed for the internet-based implementation.

The survey instrument in an online-based platform will be pilot tested to measure its reliability. Adjustments will be made when necessary.

Activity 3. Industry profiling and scoping

The profiling and scoping shall help identify the key players in the industry, available products and services, various organizational frameworks and gender roles of the men and women in the industry setting, technologies adopted and used, researches and innovation activities, and other technology and training support mechanisms. Various methods of data collection primarily by the conduct of a survey, focus group discussion, and interviews will be conducted.

Due to the existing general community quarantine (GCQ) brought by the COVID-19 pandemic, these methods of data collection will be implemented using the internet-based platforms.

Activity 4. Technology and training needs assessment (TTNA)

The technology and training needs assessment (TNA) will help identify the support mechanisms required by industry partners, co-program implementers, and cooperating agencies particularly in terms of latest technology and capability building. The TTNA will be based on the results of the survey and consultations. Furthermore, the results of the technology and training needs assessment will be the basis of the potential technologies to be developed and the program design for skills upgrading of the target clients. This will also highlight the gender roles of men and women in the industry setting to ensure that the training activities to be designed will be appropriate and will be implemented effectively.

Target Accomplishments and Expected Outputs

- a. **Places** – provinces in Calabarzon where metal industry is prominent
- b. **Partnerships** – build strong and sustainable partnerships with MSMEs, academic institutions, and other government and private institutions in the region

- c. ***Publications*** – publish and disseminate the results of the analysis of the industry profile containing the following key information: (a) profile of key players in the industry; (b) list of products and services; (c) research, innovation, and support mechanisms; (d) technology and training needs assessment

Target Beneficiaries

The following are perceived to benefit from the outputs and outcomes of the project:

1. Private companies and industries in the economic zones in Region IV
2. Micro-, small-, and medium-enterprises (MSMEs) in the region engaged in metalworking
3. Diverse communities of men and women and consumer households

Funding

The funding expenses will be charged from the Research and Extension fund for 2020.

Prepared by:

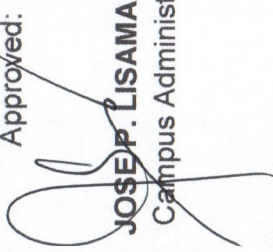


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