

## BACKGROUND

Considering today's business environment and the widespread process movement, humans plays a vital role in every industry. Thus, it is essential that one must have an in depth knowledge of the capability and limitation of every individual to achieve its optimum performance and safety. This strongly needs applications of engineering principles and new technology throughout the industry.



## CONSULTANTS

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- MS Industrial Engineering (On-going) UPD
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UPLB IED

Human Systems Engineering - HSEP



Industrial Engineering Department  
College of Engineering & Agro-Industrial Technology  
University of the Philippines Los Baños



# HUMAN SYSTEMS ENGINEERING PROGRAM

Industrial Engineering Department  
College of Engineering & Agro-Industrial Technology  
University of the Philippines Los Baños

Improving Systems --the Humanistic Way



## ABOUT

The UPLB Industrial Engineering Department's Human Systems Engineering Program (HSEP), the first of its kind in Southern Tagalog, features actual demonstrations of human biomechanics and the body's tendencies, and how these can be applied in designing equipment and workplaces. With these, the HSEP shall provide researchers with inputs and data analysis they need to human factors.

## SERVICES OFFERED



### ANTHROPOMETRIC DATA COLLECTION AND DESIGN

Ensure that the designs of manufactures products are suitable for the intended audience through human body measurements.



### TASK AND MOTION ANALYSIS

Measure productivity and assess task performance through the identification or separation of body segments. Keep an eye on worker's performance through the use of computers.



### WORKER CAPABILITY AND ANALYSIS

Analyze and evaluate worker's muscular output and cognitive training.

### WORKSITE/ENVIRONMENTAL ANALYSIS

Determine optimal temperature, light and noise level and factor in things of different areas for the workers to readily test proposed worksite design's feasibility.



**HSEP**



**MISSION**

"IED HSEP aims to provide capability and expertise in human systems for better product design and work environment."

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