



PILOMETRIX (AUTOMATED PUPILLOMETER)

BEEHIVE ACCELERATOR PROGRAM 2019
MAPUA UNIVERSITY, PHILIPPINES

1. Team Profile

Product/Service Name:	PILOMETRIX (AUTOMATED PUPILLOMETER)				
Description:	The product is an automated pupillometer aiming to aid medical health personnel in the medical industry particularly in the field of neurology that functions as a pre-assessment in the detection of neurological disorders.				
Target Customer/Market:	The company's customers would primarily be the medical directors of the hospitals, whether it be public or private. The users would then be the medical health personnel such as doctors and nurses, since the company's main selling point is a device that will aid them in assessing the patients' condition through their pupils.				
			MOOC Certificate	Business Plan	
Team Members:	Denzel Blake F. Agdeppa	BS ECE	✓		
	Ken J. Castillo	BS ECE	✓	✓	
	Neil Roger SD. Go	BS ECE	✓		
	Mikhail A. Mesina	BS ECE	✓		
Team Profile:	Denzel Blake Agdeppa – Technical Expertise: Computer Networks and Image Processing; Full Time Neil Roger Go – Technical Expertise: Image Processing; Full Time Ken Castillo – Technical Expertise: Image Processing; Full Time Mikhail Mesina – Technical Expertise: Computer Networks and Image Processing; Full Time				

2. Team Milestones

Time	Milestone
October 2017	Conceptualization and research
November 2017	Interview with neurology specialist
September 2018	Acquired materials to start prototype design
October 2018	Coding of software program
December 2018	Calibration and testing of prototype
February 2019	Data gathering with partnered medical personnel
April 2019	Awarded Best Presentation in Mapúa EECE Thesis Colloquium
May 2019	Accepted for publication and oral presentation at 3rd ICISPC Conference 2019
July 2019	Won 1st Place in 16th Project Design Competition of IEEE Week 2019: A Confluence of Man and Machine
July 2019	Attended 3rd ICISPC Conference 2019 in Singapore to present paper and won Best Presentation Award
August 2019	Finalized the product name as DILAT