TECHNOLOGICAL INSTITUTE OF THE PHILIPPINES

WEEKLY LESSON ACTIVITY PLAN
(WLAP)

Grading Period : Midterm	
Week : 9	
No. of Hours	
Lecture : 2	
Laboratory : 3	

Course/Subject : CPE 132 / ELECTIVE 2 - ARCHITECTURE OF EMBEDDED SYSTEMS

Intended Learning Outcomes (ILOs)	Topics	Teaching and Learning Activities (TLAs) and Assessment Tasks (ATs)	Instructional Materials (Text, Ref. Media)	Remarks/ Suggestions for Improvement

1. Design an derbot AGV
 	
2. Evaluate different techniques on creating an derbot AGV
 	
3. Discuss the connection of embedded system components with software application
	LECTURE
	
	1. The Derbot AGV- hardware design details
	
	   a. Derbot circuit diagram
	
	   b. PIC16F873A pin configuration
	
	   c. L293D application
	
	LABORATORY
	
	Experiment #6: Sound Generation with a Piezo Buzze
		Teaching and Learning Activities (TLAs):
		
		Lecture
		
		Group discussion
		
		Assignment
		
		Assessment Tasks (ATs):
		
		Recitation
		
		Short Quiz
			Reference book
			
			Power point presentation	

Prepared by:	Noted by:	Approved by:
ENGR. RONNIE M. DYSANGCO Faculty Member's Printed Name and Signature	**ENGR. MARIA CECILIA A. VENAL** Department Chair	**DR. JESUSA N. PADILLA /** **DR. CYNTHIA C. LLANES** Dean/VPAA
Date:	Date:	Date: