

TECHNOLOGICAL INSTITUTE OF THE PHILIPPINES

WEEKLY LESSON ACTIVITY PLAN  
(WLAP)

Grading Period : Midterm  
Week : 7  
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. Create an idea on how the embedded system connects to connectivity and networks  2. Evaluate the functionality on connecting embedded system to control area network  3. Discuss the connection of embedded system and the internet	<b>LECTURE</b>  1. Connectivity and Network a. A word of protocols b. Infrared connectivity c. Controller Area Network and Local Interconnect Network  2. Universal Serial Bus a. Using PIC microcontroller with USB b. USB On-the-Go  3. Embedded systems and the internet  <b>LABORATORY</b>  Experiment # 4: DIM an LED	<b>Teaching and Learning Activities (TLAs):</b>  Lecture  Group discussion  Assignment  <b>Assessment Tasks (ATs):</b>  Recitation  Short Quiz	Reference book  Power point presentation	

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