

**Information Technology 1192(T)
1193(A)**

Semester 2, 2018

NAME: _____ **Line: 2IPLS1**

Teacher: Sanjay Sharma

Due Date: 14/11/2018

TASK CRITERIA	TASK	DUE DATE	WEIGHTING
1, 2, 3 & 4	Product Presentation	Week 15	30%

VET Competencies Assessed in this Item:

Code	Competency Title	Core/Elective
ICTICT207	Integrate commercial computing packages	Elective II
ICTICT203	Operate application software packages	Core II
ICTICT202	Work and communicate effectively in an ICT environment	Core II & III
ICTICT209	Interact with ICT clients	Elective II

Criteria assessed in this Item:

Students will be assessed on the degree to which they demonstrate:

1. knowledge, understanding, application, analysis and evaluation
2. planning, designing, creating and implementing
3. communication and interpersonal skills
4. flexible, adaptive and creative thinking

IMPORTANT ASSESSMENT INFORMATION

The following are important factors common to all units of study at the Canberra College. See **Staff and Student Assessment Handbook** for details.

- ATTENDANCE AND PARTICIPATION
- LATE SUBMISSION OF WORK
- COMPETENCY – BASED ASSESSMENT
- RECOGNITION OF CURRENT COMPETENCIES (RCC) and PRIOR LEARNING (RPL)
- NOTIONAL ZEROS
- COMPENSATION
- CHEATING AND DISHONEST PRACTICE
- PLAGIARISM/ELECTRONIC SUBMISSION OF ASSIGNMENTS
- MODERATION PROCEDURES
- UNIT SCORE CALCULATION (where applicable)
- RIGHT TO APPEAL

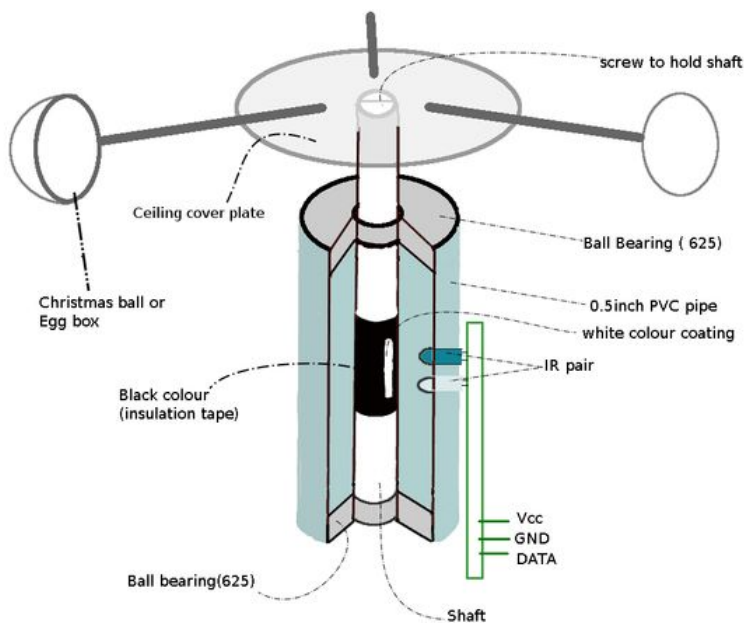
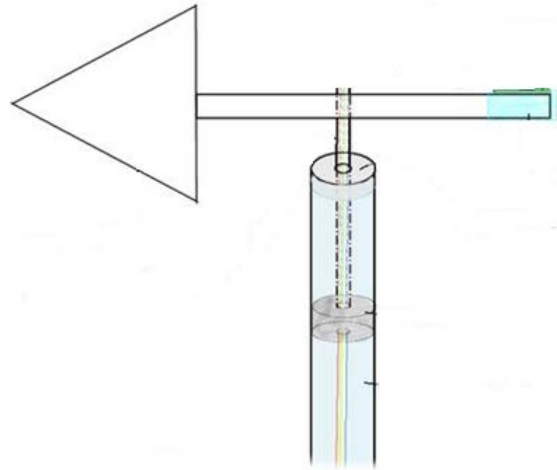
Conditions for Item:

- All work is to be an individual effort.
- You will be given 18 hours to complete this assignment.
- You will receive limited teacher assistance.

Aim:

You will be assessed on the functionality and quality of your final product. We will assess the level of functionality implemented, features, completeness, robustness, unique design features and usability.

The weather station / wind vane



Final Product Assessment

The quality assessment criteria for the weather station include:

- Compactness & minimal use of materials (cost saving, packaging & ease of shipping)
- Degree of water / weather / wind proofing

- Usability, build quality in terms of completeness, durability, neatness and fit for purpose
- Accuracy
- Functionality / features – temperature, humidity, wind speed, wind direction, Bluetooth capability and any other enhancements

Deliverables

1. A presentation to IT staff & fellow students of between 5 to 10 minutes covering the above points.
2. Submit:
 - a. The PowerPoint, Prezi presentation, poster or any other visual graphical presentation used for the presentation (the first slide should have the Project topic, title and your BSSS number).
 - b. outline/script of your presentation
 - c. Pictures of the final product
 - d. and a brief video demonstrating the use of your product

Submission

You need to submit **ONE compressed ZIP file only** named *Systems_Presentation_your_name* (eg. Systems_Assignment2_Jane_Smith) containing your presentation, script, pictures, etc.

You must keep an up to date copy of your work in your h: drive at all times as well as a backup on Google Drive.

Functionality and Quality of Weather Station Marking Rubric (30 marks)

A	B	C	D	E	
<p>Final product:</p> <p>Created a highly sophisticated and complete product with advanced functionality (programming/scripting) and features.</p> <p>Full implementation of at least 2 functions out of:</p> <ul style="list-style-type: none"> seven segment display wind speed sensor temperature & humidity readings wind direction sensor Bluetooth or other similar <p>Evident that a highly effective plan was followed as well as innovative problem solving methodology, design techniques, tools, skills and processes used. All goals met.</p> <p>All project deliverables (problem statement) submitted and all requirements satisfied to a very high level.</p>	<p>Final product:</p> <p>Created adequate and complete product with good functionality (programming/scripting) and features.</p> <p>Full implementation of at least 1 function out of:</p> <ul style="list-style-type: none"> seven segment display wind speed sensor temperature & humidity readings wind direction sensor Bluetooth <p>Evident that an effective plan was followed as well as innovative problem solving methodology, design techniques, tools, skills and processes used. All goals met.</p> <p>All project deliverables (problem statement) submitted and all requirements satisfied to a satisfactory level.</p>	<p>Final product:</p> <p>Created working product with satisfactory functionality (programming/scripting) and features.</p> <p>Partially working implementation of at least 2 functions out of:</p> <ul style="list-style-type: none"> seven segment display wind speed sensor temperature & humidity readings wind direction sensor Bluetooth <p>Evident that an plan was followed as well as some problem solving methodology, tools, skills and processes used. Most goals met.</p> <p>Most project deliverables (problem statement) submitted and all requirements satisfied to a satisfactory level.</p>	<p>Final product:</p> <p>Created a product with basic functionality (programming/scripting) and features.</p> <p>Partially working implementation of at least 1 function out of:</p> <ul style="list-style-type: none"> seven segment display wind speed sensor temperature & humidity readings wind direction sensor Bluetooth <p>Little evidence of planning, problem solving methodology, tools, skills and processes used. Few goals met.</p> <p>Some project deliverables (problem statement) submitted and requirements satisfied to a basic level.</p>	<p>Final product:</p> <p>Created a product with minimal functionality (programming/scripting) and features. Little to no evidence of planning, problem solving methodology, tools, skills and processes used. Few goals met.</p> <p>Minimum project deliverables (problem statement) submitted and requirements not satisfied.</p>	/30

VET Competencies:

Result	Vocational competencies assessed via this task		Aspect of task addressing competency
	ICTICT207	Integrate commercial computing packages	Use a number of software to research, take notes, save, prepare, illustrate and present report.
	ICTICT202	Work and communicate effectively in an ICT environment	Use of social media to access, collaborate & submit assessment. Conduct research & find solutions online.
	ICAICT203A	Operate application software packages	Use of text editor, browser and project management/graphics software package to create Gantt chart
	ICTICT209	Interact with ICT clients	Investigate required outcomes and needs of the client and present report on proposed solution with problem solving steps documented

Final Comment:
