

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

Semester 2, 2018

NAME: \_\_\_\_\_ Line: 2IPLS2

Teacher: Sanjay Sharma

Due Date: 31/8/2018

TASK CRITERIA	TASK	DUE DATE	WEIGHTING
1, 2, 3 & 4	Design Brief Assignment	Week 8	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

### General Assessment Criteria A/T/V/M

TASK CRITERIA	TASK	DUE DATE	WEIGHTING
1, 2, 3 & 4	Practical Test	Week 5	20%
1 & 4	Design Brief Assignment	Week 8	30%
1, 2, 3 & 4	Product Presentation	Week 15	30%
1, 2, 3 & 4	Journal Assignment	Week 15	20%

### 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

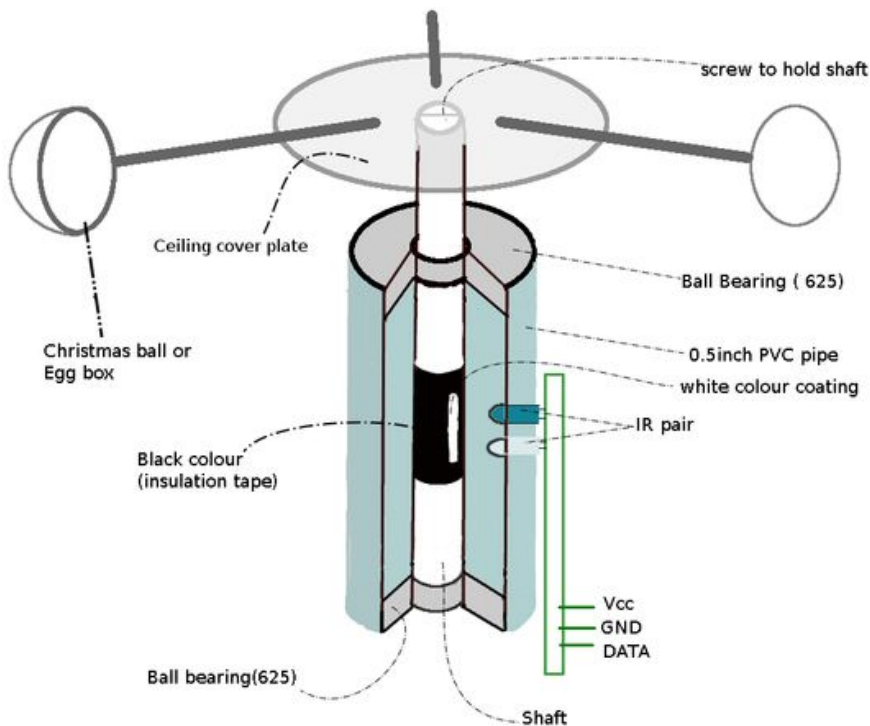
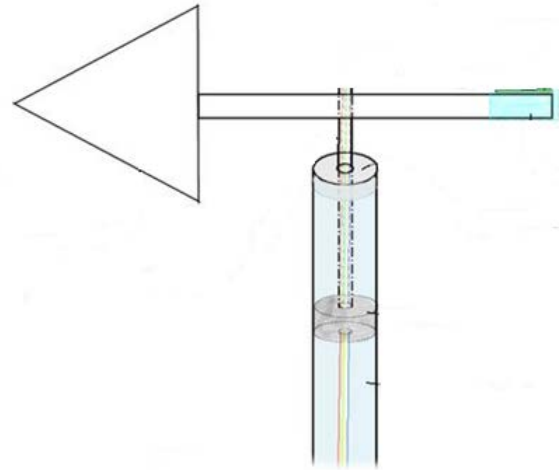
### Conditions for Item:

- All work is to be an individual effort.
- You will be given 4 weeks to complete this assignment.
- You will receive limited teacher assistance.

## Aim:

To produce a Design Brief for the project that you are undertaking. A design brief is a written plan that identifies a problem to be solved, its criteria, and its constraints. The design brief is used to encourage thinking of all aspects of a problem before attempting a solution.

### The wind vane



## Suggested Design Brief Template:

A design brief establishes clear expectations between a client and the engineer or designer. A design brief template cannot be a 'one size fits all' because design projects vary so much, ranging from product innovation and improvement, to service delivery, software development and graphic design. Use this template as a starting point and modify as necessary. When you have finished delete the blue instructional text.

**Business name:** (Insert Business name here)

**Client contact:** (Insert client contact name here)

**Contact number:** (Insert contact number here)

**Due date for completion:** (if you have any dependencies which make a particular start and end date critical make sure you communicate these before you brief a designer. You may need to negotiate with the designer depending on how in-demand they are and the complexity of the project. The due date for completion is when you expect to have the final, approved design in your hand, ready for use.)

**Review date/s:** (there should be at least one client review to ensure the design meets client expectations. You can also use this section to specify completion dates of other key stages.)

**Budget:** (provide an idea of how much money you plan to spend. This enables the designer to be realistic when they provide options.)

**Situation/challenge:** (aim to reflect the purpose of the design project in its title. If it's in the public domain title may need to include branding.)

**Key objectives:** (main business benefits of getting this design successfully delivered.)

**Marketing objectives and target audience:** (detailed description of the target market and marketing approach. Include details such as occupation, gender ratio, average age, nationality/location, psychological demographic, lifestyle preferences, advertising and promotional plans, distribution etc.)

**Regulatory issues:** (note any regulations which will impact the design e.g. product labelling laws.)

**Criteria & constraints:** (detailed list of everything this project is expected to deliver.) (Use this section to specify design elements that are out of scope e.g. if you're completing a web design project but don't want an email newsletter.)

**Tools, materials & equipment:** (use this section if you are briefing a product designer. To be able to provide a workable design, the designer needs to know what the product is supposed to be able to do, who will be using it and in what circumstances. This information may be obvious to the inventor but still needs to be spelled out clearly for the designer.)

**Procedure/Design Project plan:** (list ALL the project tasks, milestones, what is needed to complete them and who is responsible.) (best to include a Gantt chart)

**Attachments:** (provide anything you want to use e.g. existing logos, sketches of prototypes, examples of designs or products (as benchmarks or comparison), or competitors you need to stand out from. Ask the designer to specify requirements such as minimum resolutions for samples to be used in the final design.)

**Measures of success:** (how will you ensure the design is appropriate for your objectives and audience e.g. will you show samples to your potential customers, run surveys etc.)

## Submission

You need to submit **ONE pdf document only** named *Systems\_Assignment2\_your\_name* (eg. Systems\_Assignment2\_Jane\_Smith) containing your design brief.

**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.**

### Systems Robotics Assignment Marking Rubric

<b>Criteria</b>	<b>Performance indicators</b>	<b>Total</b>	<b>Mark</b>
<b>Report</b>	<ul style="list-style-type: none"> <li>- Written at or above college level of expression</li> <li>- Highly presentable with title page and all relevant sections</li> <li>- All required sections of design brief included and the situation/challenge clearly explained</li> <li>- Well organised with titles and relevant sub headings</li> <li>- Appendix, diagrams, pictures, annotations and charts used as required and not merely decorative</li> </ul>	30	
<b>Project Plan, Procedure &amp; Gantt Chart</b>	<ul style="list-style-type: none"> <li>- Detailed step by step plan developed</li> <li>- Corresponding Gantt chart included</li> <li>- Plan is accurate &amp; will lead to desired outcome</li> <li>- Good understanding shown of what is required to complete the project successfully</li> <li>- Timings are accurate and reasonable</li> </ul>	30	
<b>Success criteria &amp; constraints</b>	<ul style="list-style-type: none"> <li>- Accurately identified and clearly described project constraints and key objectives</li> <li>- Success criteria is unambiguous, detailed and feasible</li> </ul>	20	
<b>Tools, materials, skills, budget &amp; equipment</b>	<ul style="list-style-type: none"> <li>- Materials, skills and knowledge needed clearly and accurately identified and listed with explanations</li> <li>- Good and appropriate use made of Questacon makerspace time, resources and expertise</li> </ul>	10	
<b>Marketing, audience and regulatory issues</b>	<ul style="list-style-type: none"> <li>- Clear as to the potential audience/users and purpose of the project</li> <li>- Legal, ethical and regulatory issues clearly and comprehensively outlined and explained</li> </ul>	10	
<b>Total</b>		100	

#### 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:

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