

ITECH1100 – Understanding the Digital Revolution

Assessment Task – Video and Disruption Report

Overview

For this assessment task, you will create a written proposal and video about the impact of a particular technology on an industry or field.

The purpose of this assignment is for you to develop your big-picture thinking, and to explore various impacts of the ever-changing IT industry.

Timelines and Expectations

Percentage Value of Task: **15%**

Due: **Refer to Course Description**

Minimum time expectation: **40 hrs**

Learning Outcomes Assessed

The following course learning outcomes are assessed by completing this assessment task:

- A3. Apply business information software for data visualization and analysis purposes;
- S2. Review a range of information system applications;
- S3. Interpret and construct representations of business data flow and processes;
- K2. State the uses of emerging technologies within key industry contexts; and
- K6. Explain the concepts of software development within key industries.

Assessment Details

The Digital Revolution is not limited to the past – we should expect changes to continue for the foreseeable future. The aim of this assessment is for you to explore how IT might change a particular industry in the future, based on current trends and upcoming technologies.

Your topic must be **automatically generated**, based on your student ID.

Please use the **Topic Generator** link in Moodle, and choose only one of the topics available.

Topics are of the form:

“Disrupting {Industry or Activity} with {Technology}”.

Not all options are strictly technologies, some are applications of technology

Preliminaries

- ☐ Create an ePortfolio page which you will use to submit your work. **Make sure you keep the page private** – you do not need to set the visibility of your ePortfolio to public for this assessment task.

Ensure you complete this step. ePortfolios are the best way we have to allow video assignment submissions. Please don't submit a Word or PDF document unless prior approval is granted by your lecturer.

- ☐ **Access the Topic Generator** through Moodle, and choose one of the available topics.

Part one - Research

The first step to creating your video and report is to explore both the technology and the industry, to understand the potential impacts.

- ☐ **Write a short description of the technology and the industry** (150-300 words each), and add both to your ePortfolio page. You may use any relevant sources, including websites, blogs, tweets, journal articles and textbooks. Ensure you cite any sources appropriately.

If you are unsure of how to reference sources, please review the Academic Integrity Module, or contact a Learning Skills Advisor. Plagiarism is not acceptable!

Part two – Brainstorming disruptions

- ☐ For your topic, **list at least three ways the technology may change or disrupt the industry** (50-150 words each). Include this list on your ePortfolio page.

Disrupt doesn't necessarily mean *bad* – it just means a big change. You could think about how Uber disrupted the taxi industry, or how Amazon disrupted the retail industry.

If you are having trouble, remember that this is a creative task – it's ok for your ideas to be 10 or 30 years in the future. The more you can come up with at this stage the better, even if you think your ideas are completely implausible.

Part three – Disruption

- ☐ **Choose a single one of your changes or disruptions.**
Indicate in your ePortfolio which disruption you choose.
- ☐ **Identify one process** within your industry or activity that would be affected by your chosen disruption. For this process, determine its triggering **Event**, any **Activities**, **Decision Points**, and **Actors/Resources**, and finally an **Outcome**.
- ☐ Provide a written description of how this process will **be affected by your chosen disruption**.
- ☐ Support your written description with **BPMN process models of before and after disruption**.

The purpose of your models is to show the impact of the technology on the business process; let that guide your level of detail.

Part four – Video

- ☐ Using Excel or a similar product, **create a graphic or visualization** to show how your disruption will affect the industry in some way. This can be based on real data or estimates. You may design an infographic if you prefer.

You **must create this graphic yourself**.
Appropriately reference any sources you use.

- ☐ Using any software you like, **create a two-minute video** to accompany your report.

Two minutes is not very long. You don't have to cover everything from your report, nor all of your brainstormed ideas. You may choose to talk about several of your ideas at

a shallow level, or speak in more depth about just one. Pick whatever is going to make the most engaging 2-minute video.

Your video can be made however you like - talking to camera; using narrated slides; describing a sketch; animation, or combining multiple methods. Choose an approach that best suits you and the content you are trying to deliver. Prefer screen recording software to simply pointing a camera at a laptop.

Your video must include your visualization

Regardless of how you choose to make sure your video, ensure:

- sound and narration is clearly audible;
- enough context is included to demonstrate understanding of the industry and the technology, and the significance of the impact;
- the length is between 1:45 and 2:15;
- an appropriate sequence is followed so that a viewer can understand the context and content;
- graphical elements are clearly legible.

☐ **Upload your video** to one of the following services:

- YouTube – youtube.com
- Vimeo – vimeo.com

☐ **Embed your video in your ePortfolio page** as an **External Media** block.

Submission

To submit your assignment, submit your Mahara ePortfolio page via Moodle.

Marking Criteria / Rubric

Refer to the attached marking guide.

Feedback

Feedback will be supplied through Moodle. Authoritative results will be published on fdIMarks.

Academic Misconduct

To submit your assessment task, you must indicate that you have read and understood, and comply with, the Federation University Australia Academic Integrity and Student Plagiarism policies and procedures (http://policy.federation.edu.au/learning_and_teaching/compliance/academic_integrity/ch02.php).

You must also agree that your work has not been outsourced, and is entirely your own except where work quoted is duly acknowledged. Additionally, you must agree that your work has not been submitted for assessment in any other course or program.

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Marking Guide – Video and Disruption Report

Criteria	Maximum	Obtained
Written content <ul style="list-style-type: none"> • Accurate and succinct description of technology and industry • Brainstorming – ideas for at least three ways in which the tech may impact or has impacted the industry. Ideas demonstrate understanding of the technology and industry • Identification of process components and description • Supporting BPMN models 	2 3 1 2	
Video <ul style="list-style-type: none"> • Video shows understanding and synthesis of ideas from research and brainstorming • Easily understandable without requiring written materials; structure is clear and appropriate • Includes appropriate visualization or graphic element • Creative, engaging and well presented 	2 2 1 2	
Quality of written work <ul style="list-style-type: none"> • Appropriate use of English and referencing (up to 3 marks deducted) 	(-3)	
Quality of video work <ul style="list-style-type: none"> • No extended gaps at start or end of video; audio is an appropriate level and minimally noisy; text and graphics are legible (up to 2 marks deducted) • Length of video is within specified boundaries (1 mark deducted, plus 1 additional mark deducted for every 30 seconds over or under) 	(-2)	
Total	15	