

# Short paper : Introduction

Writing a paper is like writing a story,  
just in a more formal way.

# Writing a story vs a paper

- Catchy title and good review/preview
  - Makes people pick the book/video and read/watch it.
    - How do you pick a movie to watch? Hype
- Have a good storyline, good cast, good script
  - Or at the very, very least any 2 of the 3
- The story flows nicely → get to know the characters, understand their issues and strength, evolve and face challenges with them, triumph or defeat together
- Conclude with a high ( good people always win) or a shocker or even a teaser of things to come
  - Example : Avengers

# Writing a story vs a paper

- Catchy title and good abstract
  - Makes people pick your paper and read it.
    - Title short and concise, Abstract tells a summary of the paper
- Have a good storyline, good cast (methods, algorithms, comparisons), good script (what happens, when and why)
  - Or at the very, very least any 2 of the 3
  - But best to have all three.

# Writing a story vs a paper

- The story flows nicely →
  - get to know the characters (domain/problem), understand their issues and strength (what are you trying to solve), evolve and face challenges with them (explain your method, experiment, surveys, etc), triumph or defeat together (did you solve it? Was your proposed solution a success?)
- Conclude with a high ( good people always win) or a shocker or even a teaser of things to come
  - Yes! It worked. Next round we should look into this or add that to make it better
  - Nope! This won't work. Try a different method. Suggest a possible method.

# What should be in your paper?

- System Development:
  - What is the problem you are **solving**?
    - How it affects users, issues that it has, etc
  - How did you do it?
    - process, what you used, how you used it, etc
  - How does your solution work?
    - show some sample
  - Did your solution work?
    - Did you achieve your aim?
  - Final thoughts
    - conclusion, suggested future work

*Looks like what you  
are writing in your  
thesis...right?*

Yup.

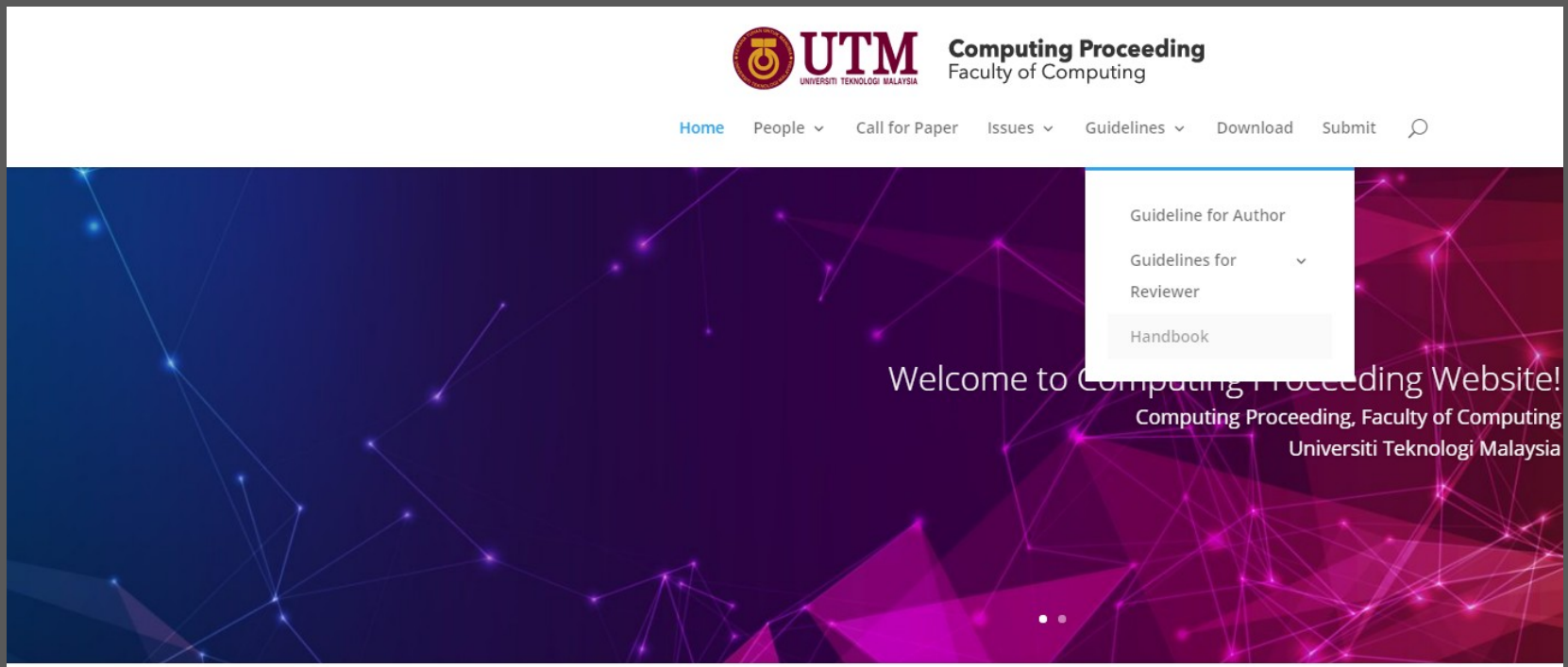
Just write it simpler,  
because you have 6  
pages only not 100.

# What should be in your paper?

- Research:
  - What is the problem you are **investigating**?
    - How will it affect the \_\_\_\_\_ (domain, users, method, process?) \*fill in the blanks with appropriate word
  - What angle are you choosing?
    - Method, approaches, algorithms, etc
  - How did you investigate?
    - Experiments (explain experiment design), what parameters you choose to measure and why , how did you measure these parameters?
  - What are your findings?
    - Discuss each parameters and achievement (or failure)
  - What is the final findings?
    - how it affects your aims and solution to problem
  - Final thoughts
    - conclusion, suggested future work

# Paper structure

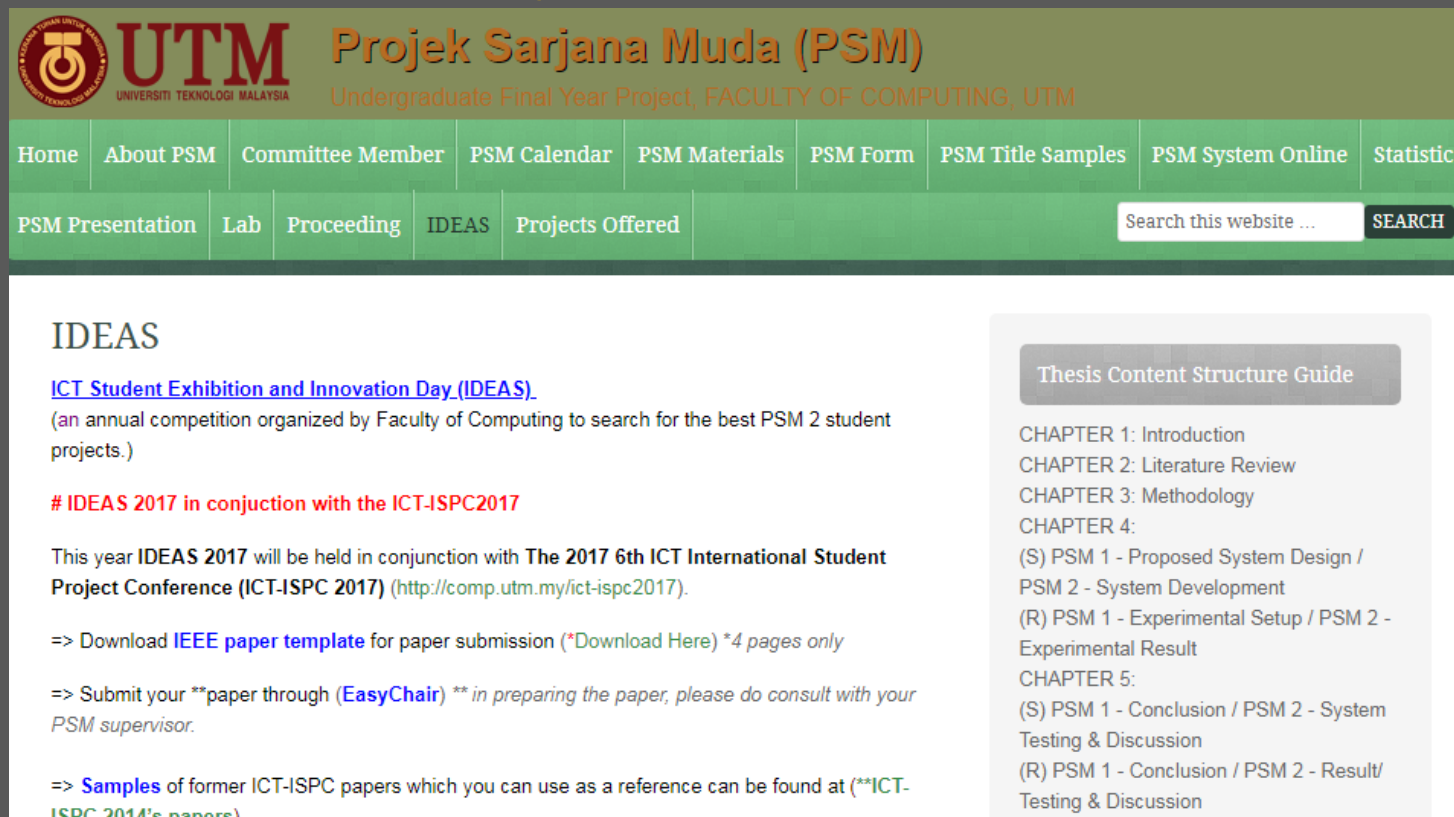
- For a sample of what a short paper may look like, look at the Handbook on the FC Proceeding site at [comp.utm.my/proceeding/](http://comp.utm.my/proceeding/)



The screenshot shows the homepage of the UTM Computing Proceeding website. The header features the UTM logo (Universiti Teknologi Malaysia) and the text "Computing Proceeding Faculty of Computing". The navigation menu includes "Home", "People", "Call for Paper", "Issues", "Guidelines", "Download", and "Submit". A dropdown menu is open under "Guidelines", showing options for "Guideline for Author", "Guidelines for Reviewer", and "Handbook". The main content area has a dark blue and purple background with a network diagram. The text reads: "Welcome to Computing Proceeding Website! Computing Proceeding, Faculty of Computing Universiti Teknologi Malaysia".

# Paper structure

- For a template that you can use for your paper, please visit the PSM website (under the IDEAS tab) at <https://comp.utm.my/psm/idea/>



The screenshot shows the website for the UTM Projek Sarjana Muda (PSM). The header includes the UTM logo and the text "Projek Sarjana Muda (PSM) Undergraduate Final Year Project, FACULTY OF COMPUTING, UTM". A navigation menu contains links for Home, About PSM, Committee Member, PSM Calendar, PSM Materials, PSM Form, PSM Title Samples, PSM System Online, and Statistic. Below this is a secondary menu with links for PSM Presentation, Lab, Proceeding, IDEAS, and Projects Offered, along with a search bar.

## IDEAS

[ICT Student Exhibition and Innovation Day \(IDEAS\)](#)  
(an annual competition organized by Faculty of Computing to search for the best PSM 2 student projects.)

**# IDEAS 2017 in conjunction with the ICT-ISPC2017**

This year **IDEAS 2017** will be held in conjunction with **The 2017 6th ICT International Student Project Conference (ICT-ISPC 2017)** (<http://comp.utm.my/ict-ispc2017>).

=> Download [IEEE paper template](#) for paper submission (*\*Download Here*) *\*4 pages only*

=> Submit your **\*\*paper** through ([EasyChair](#)) **\*\*** in preparing the paper, please do consult with your PSM supervisor.

=> [Samples](#) of former ICT-ISPC papers which you can use as a reference can be found at (**\*\*ICT-ISPC 2014's papers**)

### Thesis Content Structure Guide

- CHAPTER 1: Introduction
- CHAPTER 2: Literature Review
- CHAPTER 3: Methodology
- CHAPTER 4:
  - (S) PSM 1 - Proposed System Design / PSM 2 - System Development
  - (R) PSM 1 - Experimental Setup / PSM 2 - Experimental Result
- CHAPTER 5:
  - (S) PSM 1 - Conclusion / PSM 2 - System Testing & Discussion
  - (R) PSM 1 - Conclusion / PSM 2 - Result/ Testing & Discussion



# Writing tips : 1

- Here are some wise words from different people. Which fits you?
  - **Start with the abstract**
    - This way you can structure your paper, and then continue from there.
  - **Start by writing down all of the topics and subtopics**
    - You can fill them in as you go. It also gives your paper its structure

# Writing tips : 2

- Get feedback.
  - Consult your SV (or a 'good' senior)
  - They can help pinpoint areas of improvement
- Check references, citations and language
  - Check and recheck it.
  - You can consult SV too,
  - or get a proofreader for language
  - and use tools like Mendeley to help organize references
- Give some pizzazz
  - Good and effective graphs, images, charts, tables **as needed**
  - Purpose is to help reading and understanding

# 6 TIPS TO WRITE A GOOD RESEARCH PAPER



THINK LIKE A  
**PROTON**



AND  
**STAY POSITIVE**