# Module 2

A General Guide to ASTI Paper Writing Competition
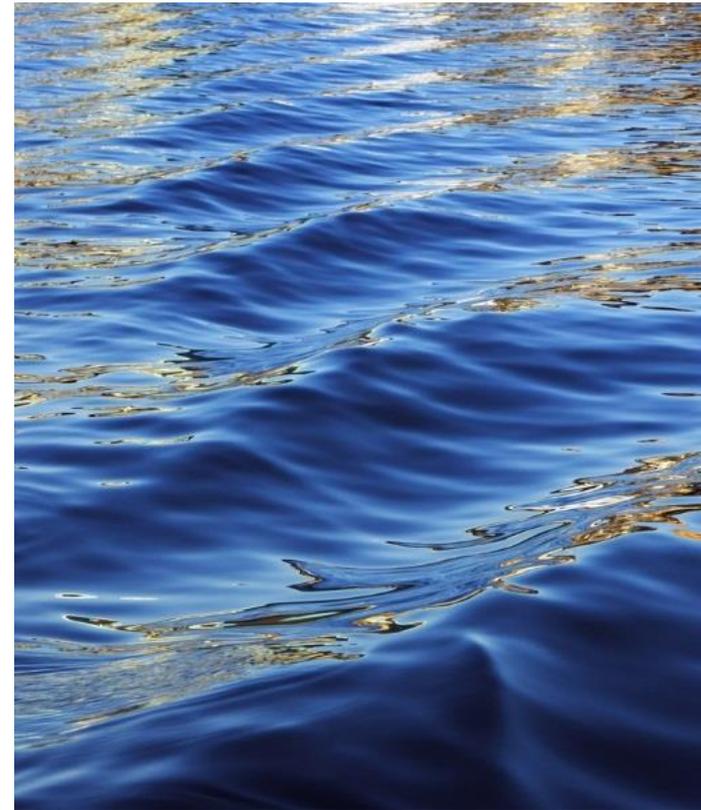
The Purpose
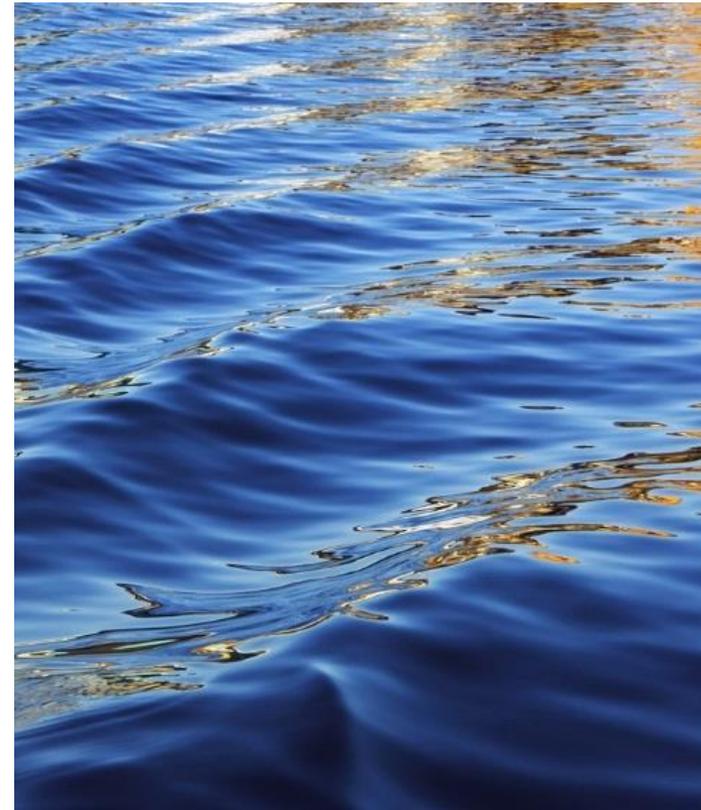
The purpose of this module is

1. to understand the typical components of a well researched technical paper

2. to provide general guidelines of a technical paper.

Please note that this training is merely a guide to get you started. There are plenty of reputable resources available on the internet and we strongly encourage you to read and watch "YouTube" channels related to the subject.

The Training Slide here include the following guides. Study the relevant guides depending on your type of paper.

a. Overall Guide to Write an Academic Style Paper

b. A Guide to Write a Policy Paper

c. A Guide to Write a Review Paper

d. A Guide to Write a Technical Research Paper

e. A Guide to Write an Invention Paper

You do not need to produce a technical paper of PhD standards. We at YIJ are looking for paper with well formed ideas which are effectively communicated and are supported by evidence and reference.

Keep your paper simple and ask yourselves these simple questions:

a.   Does the paper follow a simple logical process i.e. it is congruent and consistent? What are my assumptions? What are the logical premises or propositions?

b.   Is the English good, simple and easy to understand? An amazing idea is not useful if it is not communicated well. Use simple English and short sentences whenever possible.

c. Are the diagrams, tables, graphs and so on are well done? Are they illustrated using appropriate visual tools for the message you are trying to deliver? Pie charts, bar charts, tables are used to communicate ideas – some does a better job compared to others, depending on what you are trying to communicate.

d. Does the conclusion at the end of the paper 'links" with the objective at the start of the paper?

Results and Discussion
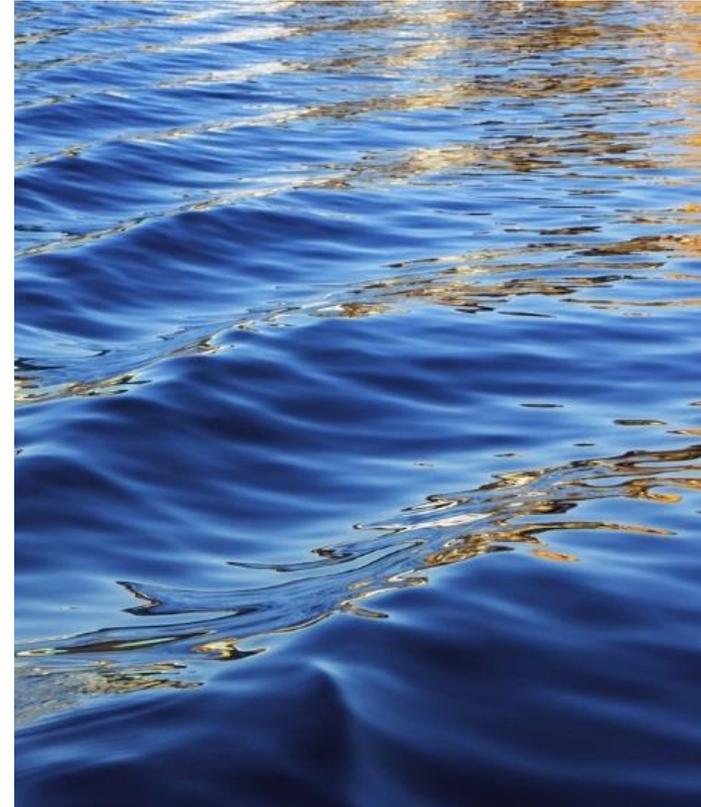
Writing results and discussion

1. As with most of ASTI's projects, you must relate the basis of your paper to basic scientific principles and concepts.

2. Different types of papers will produce different types of **outputs.** Depending on the type of paper you are writing.

3. Make sure you provide evidence for any assertions or claim you make. It could be from your own experiment or tests, or from references from other trusted references.

YOUNG INVENTORS JOURNAL

Writing results and discussion

- An **Experimental** paper will normally produce **Results**

- An **Invention** paper will normally produce a **Solution or Product**

- **A Policy paper will normally produce Recommendations.**

- If your paper is different from the types of paper above, please contact us for more ideas.

Thank you