

## ELG4157: Technical Paper Writing Guidelines

A technical research paper is a formal report designed to convey technical information in a clear and easily accessible format. It is divided into sections which allow different readers to access different levels of information.

<b>Title Page</b>	The title should reflect the details of the work. Try to describe the content of a paper using the fewest possible words.
<b>Abstract</b>	Summarize the whole work in three to four statements including important features, results and conclusions. This is a “stand alone” condensed version of the paper. It covers: significance, methodology, and findings of the work.
<b>Keywords</b>	Include few words (about 5) that best reflect the content of the research. These are usually for enhanced search engine optimization.
<b>Introduction</b>	State the objectives of the paper and comment on the way the topic of the work is to be treated. This section should include a literature review of at least 5 research papers, preferably published in IEEE Transactions. These papers should be cited properly in the reference section. The introduction should not be too broad or vague, more than 2 pages, or an aggregation of disconnected summaries of past works.
<b>Methodology, Results, and Discussion</b>	These can come under one main section which may be divided into numbered and headed sections. These sub-sections separate the different main ideas in a logical order. Use illustrations to clarify ideas, support results with figures, tables, and/or graphs. Try to demonstrate that you solved the problem or made advances even if small.
<b>Conclusion</b>	A short, logical summing up of the theme(s) developed in the main text. Revisit the key points in each section. Include a summary of the main findings, important conclusions and implications for the field. Suggest future areas for research. Try to not repeat the abstract.
<b>References</b>	Details of published sources of material referred to or quoted in the text (including any lecture notes and URL addresses of any websites used).
<b>Acknowledgment</b>	List of people who helped you research or prepare the report, if any including your TAs, for example.

Please follow the IEEE format: An IEEE Transactions paper could be a good example to learn from.