

Hong Kong Electronics Project Competition 2026 (HKEPC 2026)

Project theme: “Mastering Artificial Intelligence in the Sustainable Development of Smart Cities”

Project Title

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ABSTRACT

This document helps authors prepare a paper for the competition on *Advancing Innovation & Technology in New Normal Smart* of The Hong Kong Institution of Engineers Electronics Division. Authors are advised to follow the guidelines and the format in MS Word file. The task of paper preparation may be simplified by cutting and pasting the relevant sections of your paper into this document. The length of your abstract should **not exceed 250 words**.

Keywords: select **three to five** words or phrases that best describe your paper.

1. INTRODUCTION

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Authors may use the page setup of this file. The details are:

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3. TEXT TYPESETTING

The font to be used is 10-point Times New Roman throughout the text, unless otherwise specified.

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The title should be in 12-point Times New Roman bold. The length of the title should not be longer than two lines. Abbreviations should be avoided unless they are well known, e.g. RFID, XML, or CEPA.

Author names may be listed in any order, giving each a superscript representing the author's affiliation. Each author needs only an affiliation, e.g. University or company, and an e-mail address; no mailing address, phone and fax numbers are required. E-mail addresses must include a hyperlink.

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The length of the paper is preferably between six and seven pages. ***The absolute page limit of each paper is 10 (8 for Tertiary Education), no exceptions will be granted!***

All pages are in single-column format, starting at the top of every page. Typical arrangement of the various sections may be as follows:

- *Introduction*
Half or one page to introduce the background, previous work and ideas, etc.
- *Main body*
Define the smart city characteristics, explain the idea of your concept and the future further development potential
Outline the approach of your work, explain the details of your design, present results, examples, case studies, etc
- *Conclusions.*
One or two short paragraphs to conclude your work. Do not give a summary of your paper.
- *Acknowledgements.*
You may wish to acknowledge sponsors or colleagues who have assisted. Keep it short.
- *References.*
Should not be more than 15.
- *Appendix.*
Avoid appendix whenever possible.

3.4 References and Citations

List your references alphabetically at the end of the paper. The listing as well as the citations should be done by numbers in brackets, e.g. [1]. Block references are in the form [2-4]. Single and block references can be combined, e.g. [1],[3],[5-9],[15]. The format of references is given at the end of this document.

References can include journal articles, conference papers (refereed or non-refereed), books or book chapters, web sites, e-papers, accessible government documents, patents, and audio-visual materials on a CD.

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Insert each figure or table to where it belongs, and centre it. Please use the following formats:

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Fig. 1. Add a short caption to each figure at the centre of the line.

Each figure and table should be given a short and concise caption at the centre of the line.

<i>Product</i>	<i>ID</i>	<i>Lot size</i>
Shaft	90224	1000
Bush	90255	2000
bearing	90266	2000

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Insert mathematical equations and expressions to where they are referenced. They can be done by Equation Editor, or by any other systems that produces clear math types. Symbols and shorter expressions can be placed within the text, e.g. $\frac{r}{r} = \rightarrow$. Complex expressions should be placed in a new line in display style:

$$t_{1,j}^m \geq \mu_{1,j}^m x_{1,j} \quad (1)$$

$$t_{p,d_j}^m - t_{\alpha_k \beta_k}^m + L \lambda_{p,d_j \alpha_k \beta_k} + L(1 - x_{p,d_j}) \geq \mu_{p,d_j}^m x_{p,d_j} \quad (2)$$

$$t_{\alpha_k \beta_k}^m - t_{p,d_j}^m + L(1 - \lambda_{p,d_j \alpha_k \beta_k}) \geq \mu_{\alpha_k \beta_k}^m x_{\alpha_k \beta_k} \quad (3)$$

All equations should be numbered, right justified. They should be referenced just like figures, e.g. Eq. (1). Unless it is absolutely necessary, equation numbers should not have parts to them, e.g. instead of using Eq. 1(a) and Eq. 1(b)., please number them as Eq. (1) and Eq. (2).

4. SECTIONS

All sections should be numbered, starting from 1. for **Introduction** to whatever number for **REFERENCES**. Do not number **ACKNOWLEDGEMENT** and **APPENDIX**.

The heading of a section should be in 10-point Times New Roman, bold in all-capitals, left justified. An additional white space is left between the end of the section above and the section head.

4.1 Subsections

The heading of a subsection should also be in 10-point Times New Roman bold, left justified, but capitalise only the first letter of the first word of a subsection.

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For sub-subsections use 10-point Times New Roman italics, left justified. Capitalise only the first letter of the first word of a subsection. This applies to all sub-subsections, e.g. 4.1.1.1 or 4.1.1.1.1, etc.

5. REFERENCES

- [1] Balas, E. and Vazacopoulos, A. 1998. *Guided local search with shifting bottleneck for job shop scheduling*. Management Science. 44: 262-275.
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