*Peer-Reviewed Structured Abstract*

**Title of the Abstract: Capitalise Major Words**

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**Guideline (Delete this and any text provided under the headings before submitting your abstract)**

The word limit for the **structured abstract is 1000**, divided into the **summary section with maximum 150 words** and the **body sections (i.e., Background, Methodology, Results and Observations, and Conclusion) with 850 words**. **There is no page limit.**

The word count excludes Acknowledgement and References. Use the following headings (where applicable and remove the rest).

You are allowed to **use a maximum of two (2) figures/tables** in the methodology and/or results/observation section.

The font face for **the summary and the body sections (i.e., Background, Methodology, Results and Observations, and Conclusion): Arial – font size 11**.

The font face for **the Acknowledgement and References: Arial – font size 10.**

Use **Harvard citation style throughout the abstract**. For a tutorial on the Harvard citation style, refer to this link: <https://dkit.ie.libguides.com/harvard/citing-referencing>

Citations within the text should use a **numbered style, i.e., [1] or [2,3]**.

The text should be justified.

# **Summary**

Summarise your work here. This will appear on the abstract’s web page.

**This word limit for this section is 150 words.**

**The word limit for the following four sections is 850 words.**

# **Background**

Define your problem here. Why is this important, and how does your contribution help solve it?

# **Methodology**

Provide details of your methodology, e.g., dataset details, model/pipeline details, implementation details, etc. If needed, you can use figures/tables.

# **Results and Observations**

Include your results and observations here. Provide details of your model’s/pipeline’s performance and how the findings compare with the other methods in the literature. If needed, you can use figures/tables.

# **Conclusion**

Conclude your work here.

**The following sections are not included in the word count.**

# **Acknowledgement**

Provide any acknowledgement here, including the funding information.

This is optional, delete if not needed.

# **References**

1. Mahmud, M., Kaiser, M.S., Hussain, A. and Vassanelli, S., 2018. Applications of deep learning and reinforcement learning to biological data. *IEEE transactions on neural networks and learning systems*, *29*(6), pp.2063-2079.
2. Mahmud, M., Kaiser, M.S., McGinnity, T.M. and Hussain, A., 2021. Deep learning in mining biological data. *Cognitive computation*, *13*(1), pp.1-33.
3. Doborjeh, M.G., Wang, G.Y., Kasabov, N.K., Kydd, R. and Russell, B., 2015. A spiking neural network methodology and system for learning and comparative analysis of EEG data from healthy versus addiction treated versus addiction not treated subjects. *IEEE transactions on biomedical engineering*, *63*(9), pp.1830-1841.