**Fine-Grained Image Classification using Deep Learning**

In this very short project, you will build a simple deep learning method and write a short paper about your proposed method.

**Task**: Fine-Grained Image Classification

**Dataset**: FGVC-Aircraft (<https://www.robots.ox.ac.uk/~vgg/data/fgvc-aircraft/>)

**Judgment criteria:**

* The key criterion isthe completeness of your project, including **idea (20%)**, **coding (40%)**, and **academic writing** **(40%)** (this is also a test to your English).
* Note that, it is absolutely fine if your accuracy is not as good as recent methods.

**Writing**:

* The writing language is English.
* The template is [Latex CVPR Template](https://www.overleaf.com/latex/templates/cvpr-2022-author-kit/qbmjsdxryffn).
* Maximum number of pages: NOT more than **2 pages**, including references. (Everything must be in 2 pages or less – it’s fine to write just 1 page, or 1.5 pages.)
* Your 2 pages paper should have all key sections: abstract, introduction, related work, method, experiment, conclusion, and reference.
* You should include figures, tables, math equations, etc. to demonstrate your method.

**Deadline**: 1 week

**Submission**:

* Use Github to host your source code. Add your Github project link to your paper.
* **Send only** your 2 pages paper in **PDF** format to Ms. Tuyet Dao ([tuyetdta1@fsoft.com.vn](mailto:tuyetdta1@fsoft.com.vn)).
* Name your submission file as: **FirstName\_LastName.pdf**

**Notes**:

* This is an individual project.
* Feel free to reuse code, or borrow ideas from other papers (e.g., <https://paperswithcode.com/sota/fine-grained-image-classification-on-fgvc>). However, you need to come up with something (idea/code) that you can say “it’s my proposed method”.
* If you don’t have GPU resources to train your model, you can use Google Colab to train for free for 12 hours and report the results until this cut-off time.

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🌐 Website: ai.fpt-software.com/ai-residency

📩 Email: job.aic@fsoft.com.vn