Designing -> An Advanced EM Image Processing & COVID-19 AI Informatics Framework Using Python + Python Based Tools.

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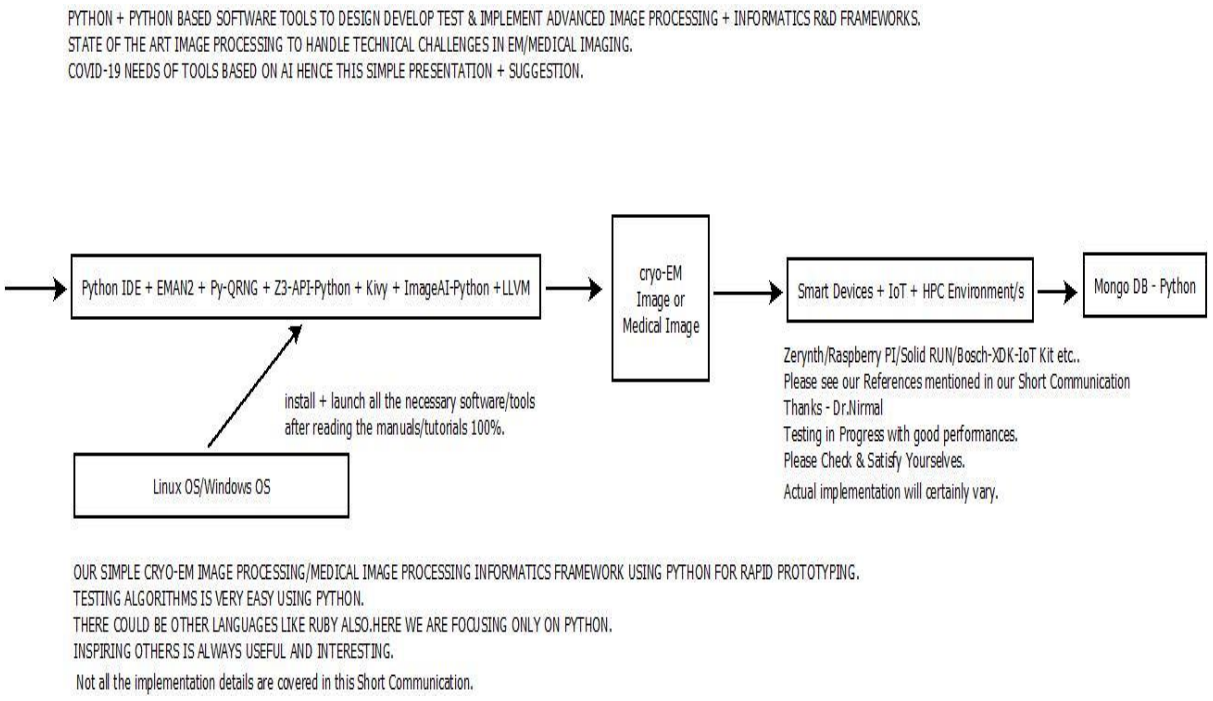
[I] Abstract + Main Idea + Inspiration :

Designing -> An Advanced Electron Microscopy Image Processing & COVID-19 Informatics Framework Using Python + Python Based Tools in the Context of EMAN2 – Electron Microscopy(EM) Image Processing Software + OCaml-Python interfacing + Coq Theorem Prover + q*cert + ImageAI + Kivy - Open source Python library for rapid development of applications that make use of innovative user interfaces, such as Multi-touch Apps +Smart Devices+ IoT/HPC – in demanding Heterogeneous Environments.

[II] R&D Image Processing + COVID-19 Informatics Framework Using Above Mentioned Tools :



[Figure I – Our R&D Image Processing + Informatics Algorithm]

[III] Related Multi-disciplinary References (((via))) Vixra.org + Other Important Sources :

[a] https://github.com/tejdnk-2019-ShortNotes/Testing-EM-Images

[b] https://vixra.org/abs/1709.0412

[c] https://ericpony.github.io/z3py-tutorial/guide-examples.htm

[d] https://pypi.org/project/qrng/

[e] https://pypi.org/project/llvmlite/

[f] https://www.python.org/

[g] www.imageai.org/ -> ImageAI using Python.

[h] https://kivy.org/#home – Kivy using Python.

[i] http://dlib.net/ml.html - Machine Learning Library in C++/Python.

[j] https://www.vixra.org/pdf/1812.0454v1.pdf - ImageAI in action -> cryo-EM Image Processing.

[IV] Acknowledgment/s :

Sincere Thanks to all my Mentors + Collaborators + Friends internationally. Non-Profit R&D.

Inspiring Others always in the Context of Technical Challenges in Image Processing.

[V] Conclusion/s With Future Perspectives :

A Simple +Interesting R&D Framework Using Python+Python Related Tools is presented.

[THE END]