

Using Python + ImageAI + AR + Differential Geometry/geomstats w.r.t Probing cryo-EM/ Other Electron Microscopy Images – A Simple Technical Short Notes.

[Exploring COVID-19 with Recommender Systems & Implementation – Version III]

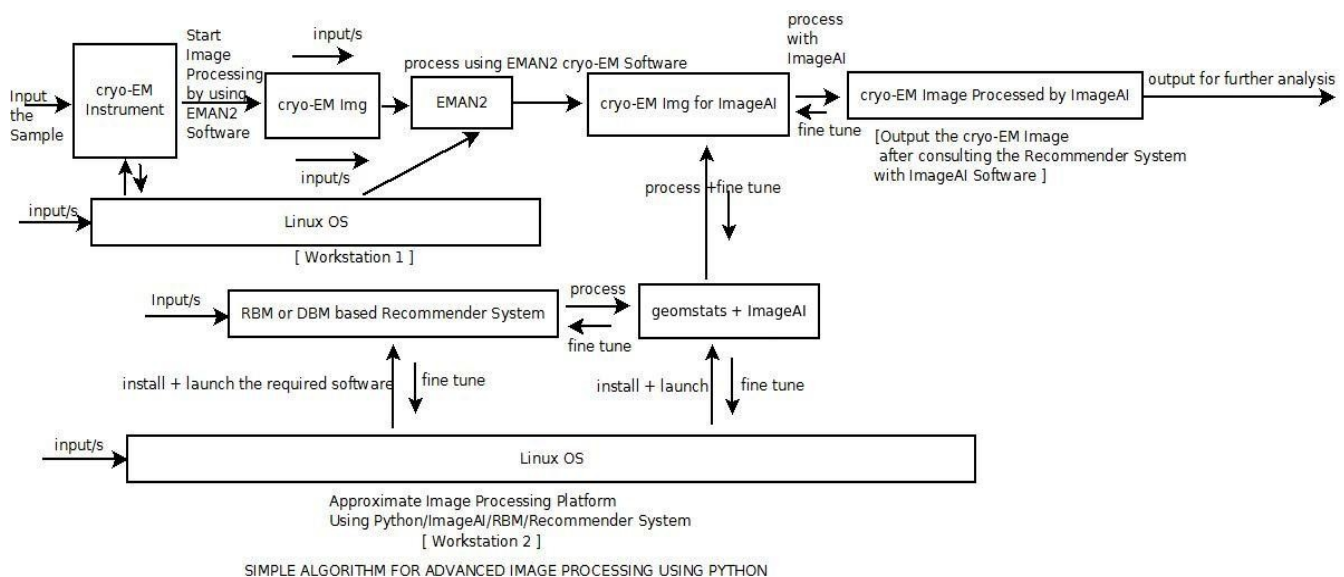
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[I] Main Idea + Inspiration + Introduction :

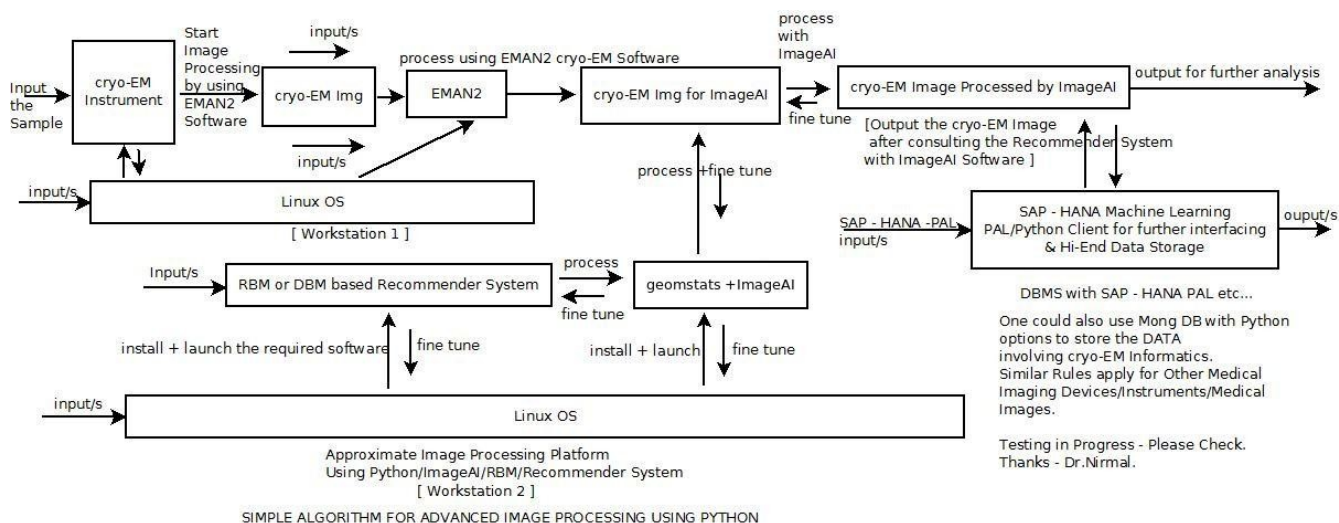
<https://medium.com/solving-the-human-problem/using-python-ml-ar-to-solve-a-mystery-in-differential-geometry-9732ad099483>

<https://www.vixra.org/pdf/2003.0304v1.pdf> - Important Reference (((via))) Vixra.org

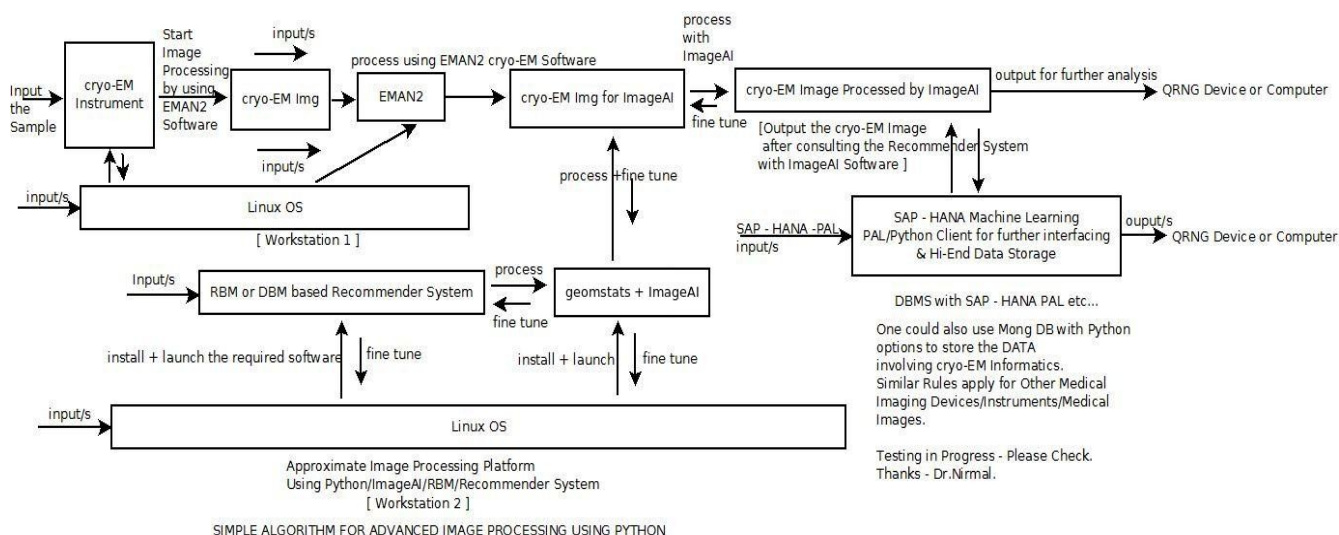
[II] Python based R&D Imaging + Informatics Framework :



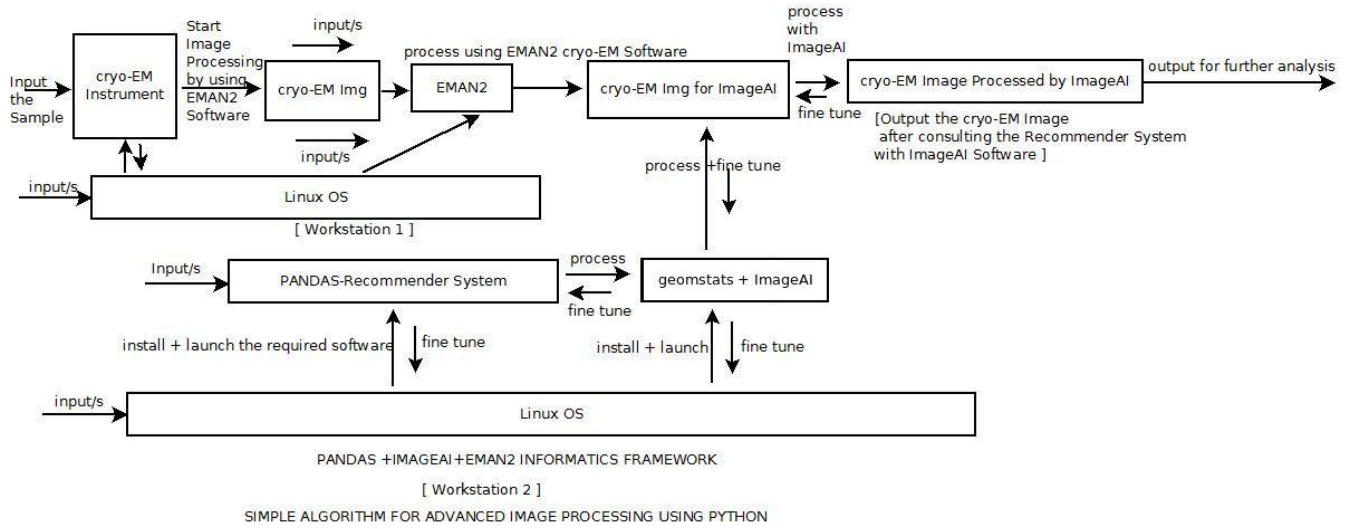
[Figure I]



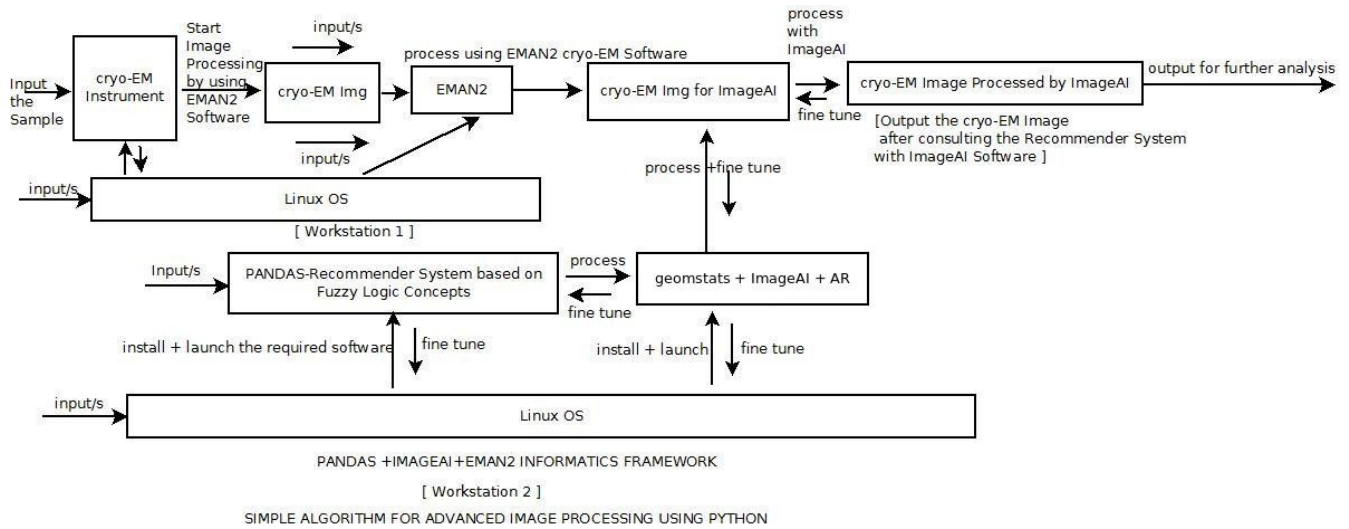
[Figure 2]



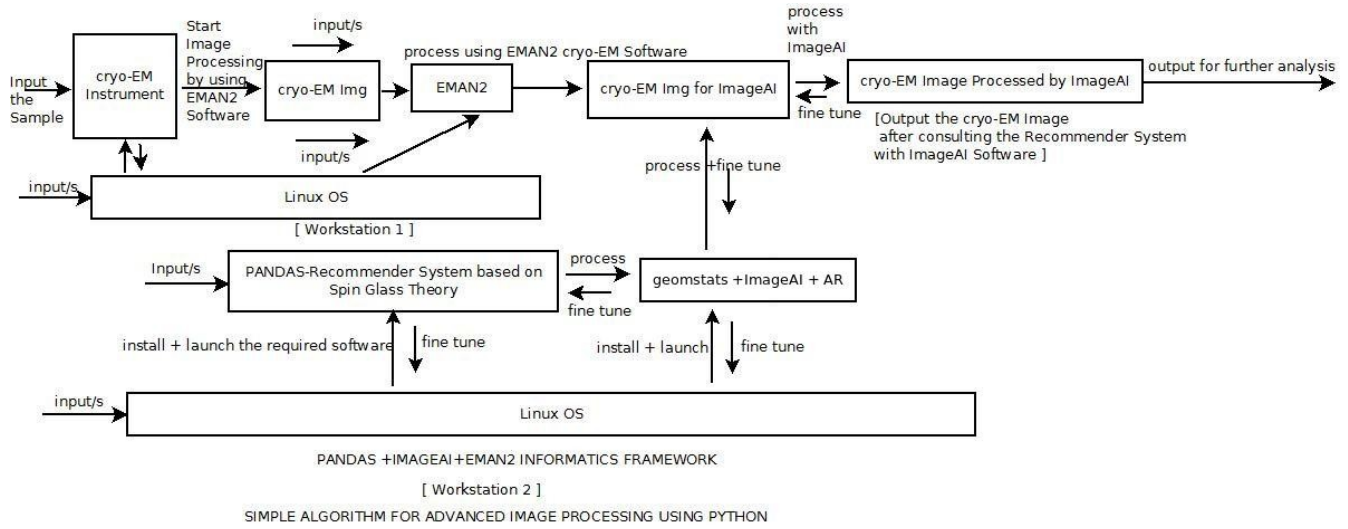
[Figure 3]



[Figure 4]



[Figure 5]



[Figure 6]

[III] Important References :

- [a] <https://github.com/tejdkn-2019-ShortNotes>
- [b] <https://www.cs.tau.ac.il/~msagiv/courses/asv/z3py/guide-examples.htm>

[IV] Conclusion/s With Future Perspectives :

One of the pioneering R&D Efforts in this highly challenging domain.

[V] Additional Information on Differential Geometry :

- [a] <http://www.wisdom.weizmann.ac.il/~yakov/scanlib/hicks.pdf>
- [b] <https://people.math.ethz.ch/~salamon/PREPRINTS/diffgeo.pdf>
- [c] <http://people.math.harvard.edu/~knill/graphgeometry/code.html>
- [d] <http://people.mpim-bonn.mpg.de/hwbllmnn/notes.html>
- [e] <https://pypi.org/project/geomstats/>
- [f] <https://blog.krastanov.org/pages/diff-geometry-in-python.html>

[g] <https://readthedocs.org/projects/python-discrete-differential-geometry/>

[h] <https://www.jmlr.org/papers/volume21/19-027/19-027.pdf>

[i] <https://www.mdpi.com/2227-7390/6/11/226/htm> - Isometric Deformation of (m,n) -Type Helicoidal Surface in the Three Dimensional Euclidean Space.

[j] <https://www.pyimagesearch.com/2021/01/11/opencv-video-augmented-reality/>

[VI] Acknowledgment/s : Sincere Thanks to all WHO made this happen in my LIFE. Non-Profit R&D. Inspire Others Always.

[THE END]