Understanding Pyramid Representations + Electron Microscopy Images Using Java + Prolog Related Software for R&D.

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[I] Inspiration + Introduction :

Probing cryo-Electron Microscopy Images Using Pyramid Representations in the Context of :

[Image J/ImageJ_Pyramid_Plugin/JikesRVM - Research Virtual Machine(RVM)/JVM - Java Virtual Machine/

JI Prolog - Java based Prolog/HPC-High Performance Computing] for Next Generation Java based

[AI + Image Processing + Informatics] R&D Test Platforms.

[II] JVM/RVM-Research Virtual Machine based Image Processing+Informatics R&D Framework :

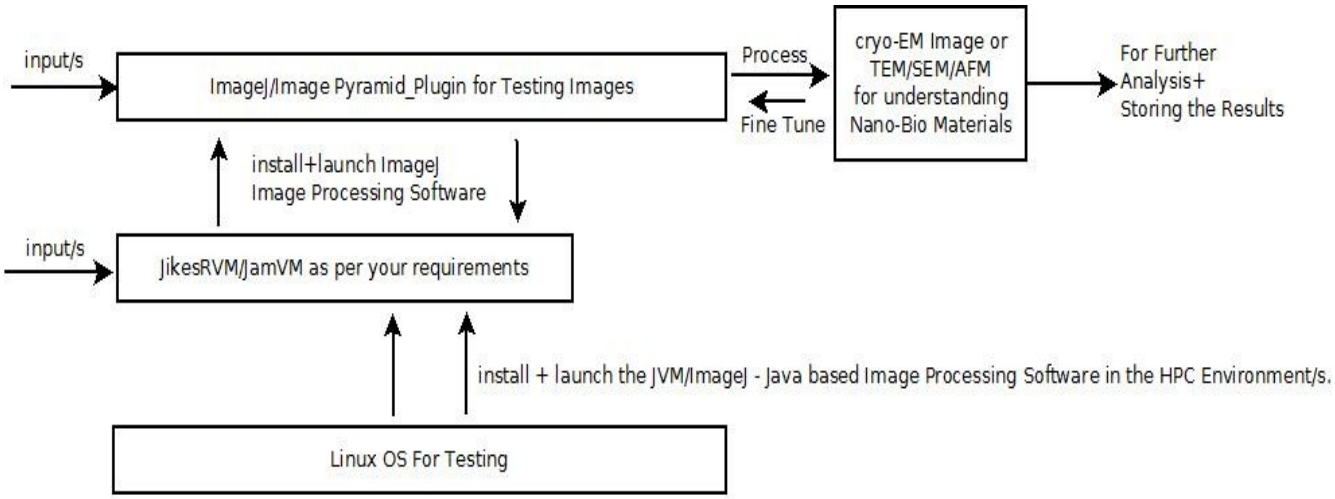

Figure I - Algorithm I - Testing Electron Microscopy Images - Using ImageJ Software in Heterogeneous Computing Environments.
Actual Implementation Might Vary - Please Check & Satisfy Yourselves.
Read our Publications/Notes on Vixra.org.
Thanks - Dr.Nirmal
Testing in Progress at the time of Submission.

[Figure I – Algorithm I – Simple Idea for Testing Our Concept.]

"Pyramid, or **pyramid representation**, is a type of multi-scale signal representation developed by the computer vision, image processing and signal processing communities, in which a signal or an image is subject to repeated smoothing and subsampling.
Pyramid representation is a predecessor to scale-space representation and multiresolution analysis."
[Ref[1] - Source – Wiki]

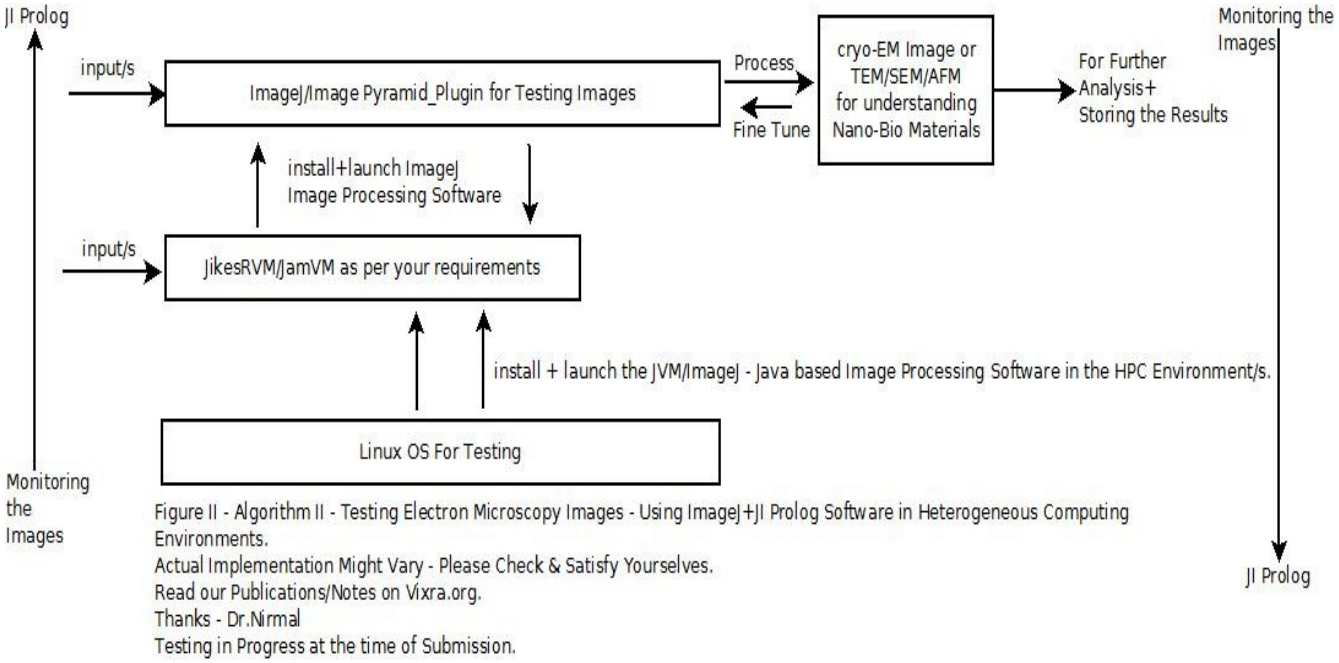

Figure II - Algorithm II - Testing Electron Microscopy Images - Using ImageJ+JI Prolog Software in Heterogeneous Computing Environments.
Actual Implementation Might Vary - Please Check & Satisfy Yourselves.
Read our Publications/Notes on Vixra.org.
Thanks - Dr.Nirmal
Testing in Progress at the time of Submission.

[Figure II – Algorithm II – Simple Idea for Testing Our Concept.]

[III] Information on Related Publications (((via))) Vixra.org :

[a] http://www.vixra.org/author/d_n_t_kumar

[b] http://www.vixra.org/author/n_t_kuma r

[c] http://www.vixra.org/author/Nirmal

[d] http://www.vixra.org/author/nirmal_tej_kumar

[e] https://www.semanticscholar.org/author/Nirmal-Kumar/12354503/suggest

[f] https://vixra.org/pdf/1901.0133v1.pdf – Nirmal.

[IV] Acknowledgment/s :

Special Thanks to all my MENTORS+FRIENDS+COLLABORATORS. NON-PROFIT R&D.

[V] Conclusion :

A Simple & Useful Short Communication is presented for further R&D + Analysis.

[VI] References :

[1] https://en.wikipedia.org/wiki/Pyramid_(image_processing)

[2] https://en.wikipedia.org/wiki/Scale_space

[3] https://imagej.nih.gov/ij/plugins/pyramid/ && https://imagej.nih.gov/ij/features.html

[4] https://imagej.nih.gov/ij/plugins/pyramid/Image_Pyramid.java

[5] https://www.jikesrvm.org && http://jamvm.sourceforge.net – Jam VM - an Extremely Small Virtual Machine.

[6] https://www.researchgate.net/publication/303462482_Understanding_JikesRVM_in_the_Context_of_Cryo-EMTEMSEM_Imaging_Algorithms_and_Applications_General_Informatics_Introduction_from_a_Software_Architecture_View_Point/citation/download.*****

[7] http://www.jiprolog.com/ - JI Prolog for Various Applications.

[THE END]