[JML+JI Prolog+ImageJ+JikesRVM-Research Virtual Machine+Helmholtz ImageJ Plug-in+Minsky Machines] as a Medical Image Processing or Electron Microscopy Image Processing Software R&D Platform - An Understanding of Java Modeling Language[JML]/OpenJML & its Promising Applications.

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[I] Inspiration + Introduction :

"The Java Modeling Language (JML) is a behavioral interface specification language that can be used to specify the behavior of Java modules. It combines the design by contract approach of Eiffel and the model-based specification approach of the Larch family of interface specification languages, with some elements of the refinement calculus.

The draft paper Design by Contract with JML (by Gary T. Leavens and Yoonsik Cheon) explains the most basic use of JML as a design by contract (DBC) language for Java."

[Source - http://www.eecs.ucf.edu/~leavens/JML/index.shtml]

[II] Informatics Framework for R&D :

Step 1 → input/s→ [JML+JI Prolog+ImageJ/or related ImageJ plug-ins
+JikesRVM-Research Virtual Machine
+Helmholtz ImageJ Plug-in
+Minsky Machines] → Probe → [Medical Images/cryo-EM Images/EM Images etc...]

Step 2 → Process the Images as per JML based Algorithms→ [Observe the Informatics associated with the Images]

Step 3 → Perform Image Processing Analysis for Further R&D.

Step 4→ Examine the Output/s and Store the Results in a Data Base → for IoT/HPC Heterogeneous Environment/s.

Step 5 → Stop the Image Processing Process or continue until all the specifications are met as per the ALGORITHM.

Step 6 → End the Process if Satisfied.

[Description of a Simple Algorithm to Process Medical Images or Electron Microscopy Images]
[Helmholtz Equation is very much useful in Image Processing - Hence exploring is very much interesting]
[Approximate Informatics Algorithm Only – Actual Implementation Will Certainly Vary]
[Testing in Progress With Some Promising Results]
[Please Check & Satisfy Yourselves – Thanks – Dr.Nirmal]

[III] Information on Software Used :

[a] http://multijava.sourceforge.net/

[b] *https://www.jikesrvm.org*

[c] http://www.eecs.ucf.edu/~leavens/JML//jmldbc.pdf

[d] http://www.openjml.org/ && http://www.openjml.org/downloads/ - Important Links.

[e] CRYO-EM IMAGE PROCESSING USING HELMHOLTZ EQUATION BASED ON IMAGEJ/JIKESRVM – A SIMPLE SUGGESTION ON THE USAGE OF HELMHOLTZ EQUATION. - [http://www.vixra.org/pdf/1803.0124v1.pdf]

[IV] Acknowledgment/s :

Special Thanks to all WHO made this happen in my LIFE. Non-Profit R&D.

[THE END]