PROBING JCUDA IN THE CONTEXT OF IMAGE J/JVM/JIKES RVM/HIGH PERFORMANCE COMPUTING/INFORMATICS & IMAGE PROCESSING APPLICATIONS.

NIRMAL TEJ KUMAR
CURRENT MEMBER : ante Inst,UTD,Dallas,TX,USA.
R&D COLLABORATOR : BRICS GROUP OF NATIONS./SP,Brazil.
Email id : tejdnk@gmail.com

Idea :

We observe that “jcuda and imagej” are very useful tools in the context of image processing. Hence this simple suggestion. The title is self explanatory so,we are not going into the details. This short communication just highlights the intended application.

Inspiration :

Kumar, D.N.T. & Shmavonyan, G.s. (2016). Understanding JikesRVM in the Context of Cryo-EM/TEM/SEM Imaging Algorithms and Applications – A General Informatics Introduction from a Software Architecture View Point. International Journal of Applied Research on Information Technology and Computing. 7. 1. 10.5958/0975-8089.2016.00001.4.

Implementation :

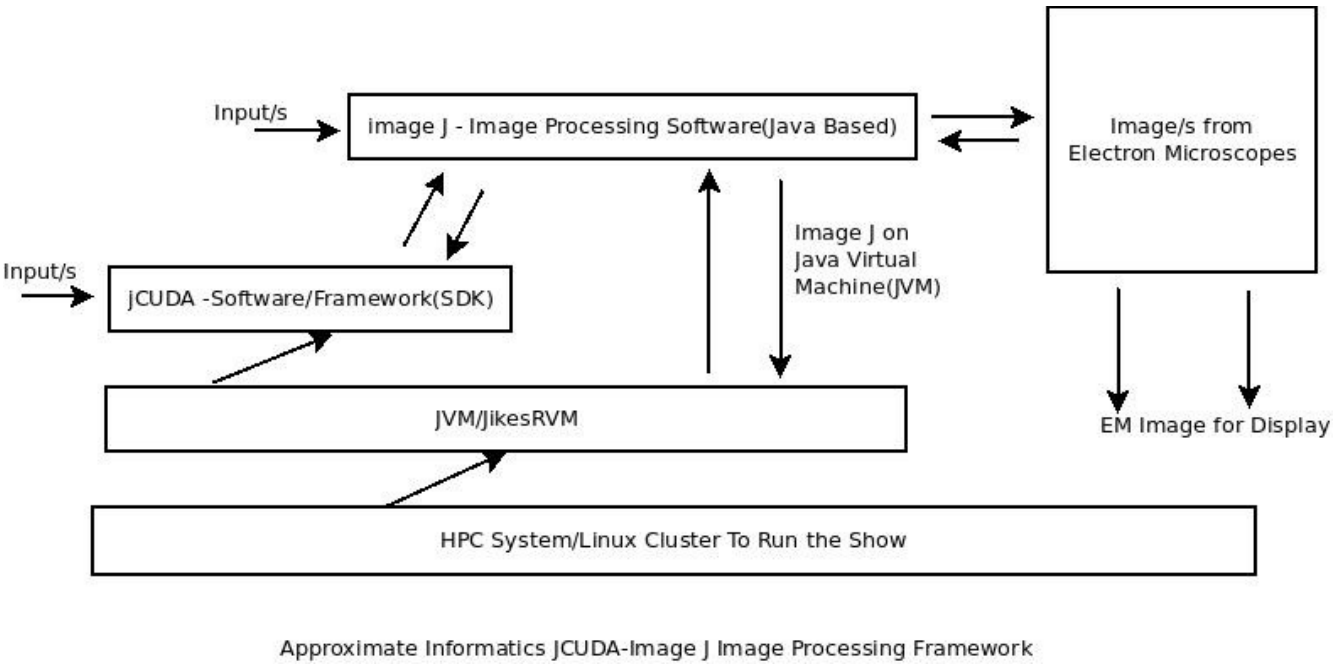

Figure I – Our Main Algorithm/Idea

Conclusion/s:

We have demonstrated a simple idea involving JCUDA/Image J Software/JikesRVM/JVM in the context of Image Processing. Hope,this short communication inspires novices and experienced professionals alike.

Acknowledgement/s :

Thanks to all who made this happen in my life. Purpose : Pure Academic R&D(Non Profit).
No competing financial interest/s are declared.

References :

http://www.jcuda.org/ImageJ/ImageJHowTo.html

https://www.jikesrvm.org/

https://imagej.nih.gov/ij/

http://www.jcuda.org/ImageJ/ImageJHowTo.html

http://www.jcuda.org/downloads/downloads.html

THE END

DATED : 01-AUGUST-2018