

An Insight into Random Numbers & Applications in the Context of Signal Processing Using [IMAGEAI +Python+qrng libraries] – A Simple Technical Note & Suggestion on Using QRNG Services/QRNG Related Devices towards Heterogeneous [IoT/HPC] Image Processing Software R&D.

[Exploring (QRNG+IMAGEAI) based R&D of Signal & Image Processing Software Using Python]

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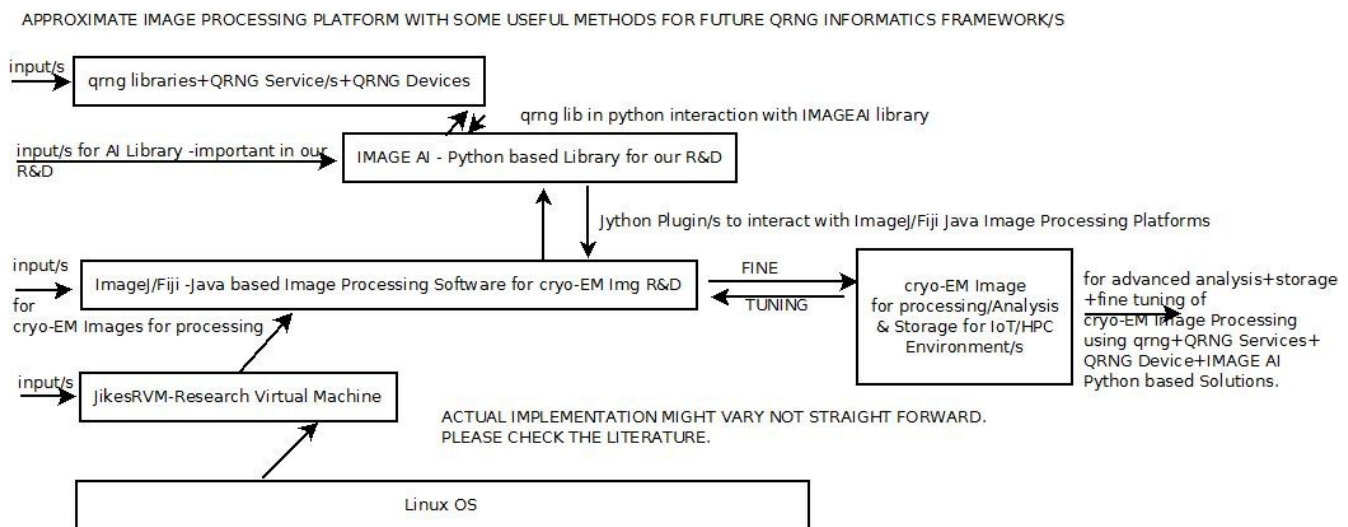
Independent Consultant : Informatics/Photonics/AI/Nanotechnology/HPC R&D.

R&D Collaborator : USA/UK/Israel/BRICS Group of Nations/South Korea.

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[I] Inspiration Towards QRNG/Random Numbers/Randomness/Signal Processing/Signal Entropy/Image Processing R&D Informatics Framework :



Advanced cryo-EM Image Processing Platform Using QRNG+qrng lib+IMAGE AI Lib+ImageJ/Fiji+JikesRVM+Jython Plugins Interaction.
Please Check & Satisfy Yourselves before using our Suggestion.
Thanks - Dr.Nirmal
Testing in Progress - With some promising results.

[Figure I – Our Simple Suggestion + R&D IDEA – Advanced Electron Microscopy Image Processing Framework/s- Testing in Progress – Python is very useful for Rapid Prototyping]
[<https://www.electronicdesign.com/embedded-revolution/python-s-big-push-embedded-space>]

[<https://pypi.org/project/qrng/> - <https://qiskit.org> IBM USA. && <https://qrng.physik.hu-berlin.de/> - HU Germany.]

<https://www.jikesrvm.org/>

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

<http://imageai.org/>

<https://fiji.sc/>

<https://qiskit.org/> - IBM USA.

[<https://raw.githubusercontent.com/Qiskit/qiskit/master/Qiskit.bib>]

[II] Related R&D Information on Mathematics & Hardware+Software Used :

http://vixra.org/author/nirmal_tej_kumar

Check Refs : [28] [viXra:1812.0454](#)
[49] [viXra:1904.0487](#)
[55] [viXra:1905.0540](#)
[45] [viXra:1903.0268](#)
[27] [viXra:1812.0421](#)
[9] [viXra:1804.0196](#)
[6] [viXra:1804.0028](#)
[17] [viXra:1808.0011](#)
[68] [viXra:1907.0464](#)
[71] [viXra:1907.0605](#)

[III] Acknowledgment/s :

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

[IV] Important Reference/s :

- [a] <https://www.electronicdesign.com/embedded-revolution/python-s-big-push-embedded-space>
- [b] <https://www.idquantique.com/quantum-technologies-matter-critical-infrastructure-iot/>
- [c] https://www.researchgate.net/publication/253697712_Portable_random_number_generator_for_use_in_signal_processing
- [d] <https://imageai.readthedocs.io/en/latest/>
- [e] <http://imageai.org/#about>
- [f] <https://pypi.org/project/qrng/> - <https://qiskit.org/> IBM USA.
- [g] <https://qrng.physik.hu-berlin.de/> - HU Germany.

[THE END]