R&D of Geometric Cybernetics Framework : w.r.t Python + LLVM + Enzyme + Clifford Algebra + Smart Devices + IoT + AI + HPC Heterogeneous Systems & Related Informatics.

[LLVM Optimized Python & its Tools for Imaging - Python + Pynq and Ultra96 + Zynq MPSoC]

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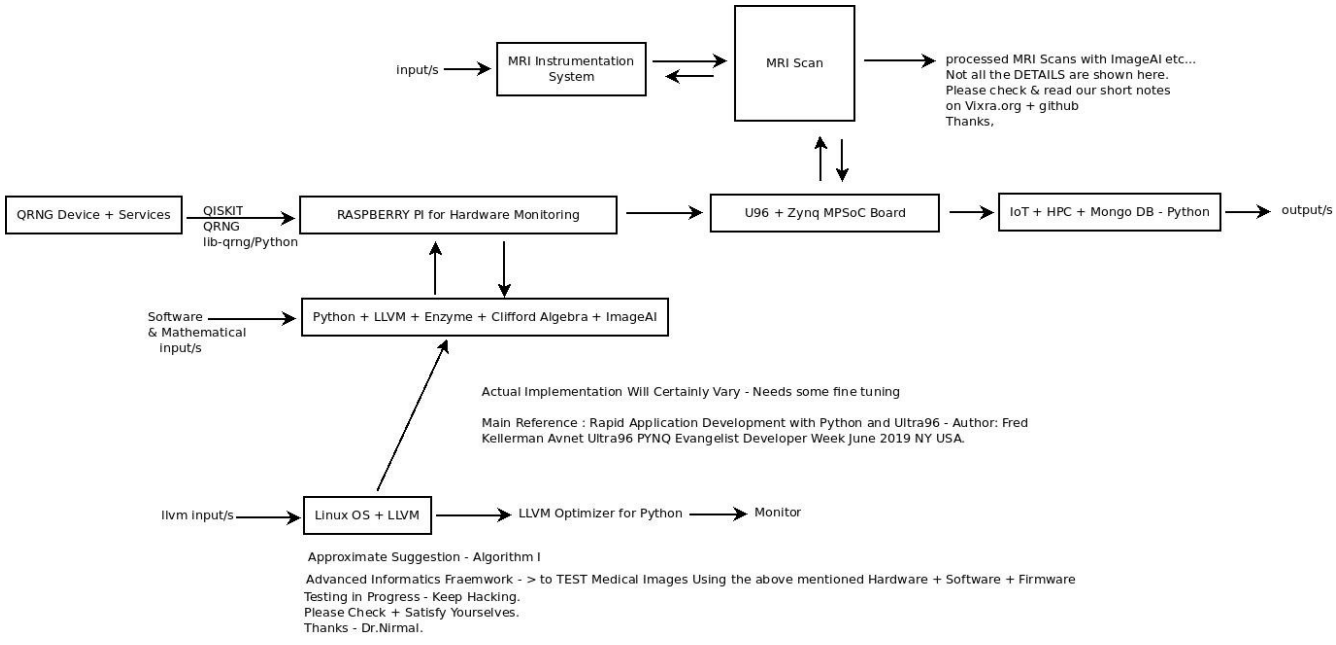
[I] Idea + Inspiration + Introduction :

Exploring : Image Processing, Computer Vision, Robotics, Neural Networks, Applications of Clifford Geometric Algebra to Perception Action Systems.

Key words : Xilinx ; AVNET ; PYNQ ; Ultra 96 + Zynq MPSoC Board ; Python ; Zerynth IoT. Raspberry PI ; IoT/HPC Systems.

[II] R&D Informatics Framework Using Python :



[Figure I – Algorithm I – Avnet + Xilinx Testing Platform w.r.t Medical Images]

[III] Useful + Important References/ :

[a] Easy AI with Python and PYNQ – Hackster.io - https://www.hackster.io/wadulisi/easy-ai-with-python-and-pynq-dd4822

[b] **Rapid Application Development** with **Python and Ultra96** - Author: Fred Kellerman Avnet Ultra96 PYNQ Evangelist Developer Week June 2019 NY USA.

[c] https://github.com/tejdnk-2019-ShortNotes && https://github.com/tejdnk-2019-ShortNotes/2021-Nir-Informatics

[d] https://github.com/Xilinx/PYNQ-ComputerVision

[IV] Acknowledgment/s :

Sincere Thanks to all WHO made this happen in my LIFE.

Non-Profit R&D. Inspire Others Always.

[V] Conclusion/s With Future Perspectives :

Rapid Application Development with Python and Ultra96 is TESTED Using Python + its Tools + AI + QRNG + Clifford Algebra Related Concepts w.r.t Advanced Image Processing Applications.

[THE END]