[ Genetic Algorithms+Bayesian Networks ] in the Context of Anticipatory Systems Using a Quantum Device/QRNG – An AI/ML/DL based [ Java/JikesRVM(RVM - Research Virtual Machine)/Java Virtual Machine(JVM)/BNJ/Jenetics/JI Prolog/jBNCSoftware ] Approach in the IoT/HPC Heterogeneous Computational R&D Environments.

[ Java based Artificial Intelligence in Electron Microscopy/Medicine/Bio-informatics ]

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## [I] Inspiration & Introduction/Informatics R&D Framework:

TOWARDS DEVELOPING - AI+QUANTUM COMPUTING ASPECTS OF HYBRID ANTICIPATORY SYSTEMS & INFORMATICS output/s Electron Microcopy/Medical Image Processing/ input/s Bio-informatics like DNA/RNA Sequencing etc.. Monitor using Quantum Device/QRNG Service JI Prolog With C/C++/Java/JikesRVM [Monitor both input/s & output/s input/s using QRNG Algorithms Genetic Algorithms +Bayesian Networks as Tools for Hi-end Computing R&D ] We are developing some AI+QRNG based Anticipatory [AI based R&D Informatics to probeElectron Microscopy Images Models for better predictions Medical Images/Bio-informatics like DNA Sequencing etc.. ] in cryo-EM Image Processing/ Medical Imaging/DNA Sequencing Using the above mentioned tools Linux OS totally based on JVM Environment/s. Simple Suggestion - Please Check the literature before using our Framework Thanks - Dr. Nirmal.

[ Figure I – Simple Suggestion on Anticipatory Systems + Informatics Framework ]

## **Please Check:**

- [a] BNJ/Jenetics/JikesRVM/JVM/JI Prolog/jBNC Software/QRNG Services/QRNG Device etc to understand our proposal.
- [b] Genetic Algorithms/AI/Bayesian Networks/Bosch-XDK-IoT/HPC/Anticipatory Systems etc... Thanks.

## [Non-Profit Academic R&D]