To Explore & Test [JI Prolog+ JLang + [jxos/mjvmk]] Usage w.r.t Next Generation Intelligent Embedded Systems [ES] Co-Design involving : [Hardware + Software + Firmware] based on [Smart Devices + IoT + HPC Systems]→To run Space + Medicine + Telecoms Heterogeneous Systems.
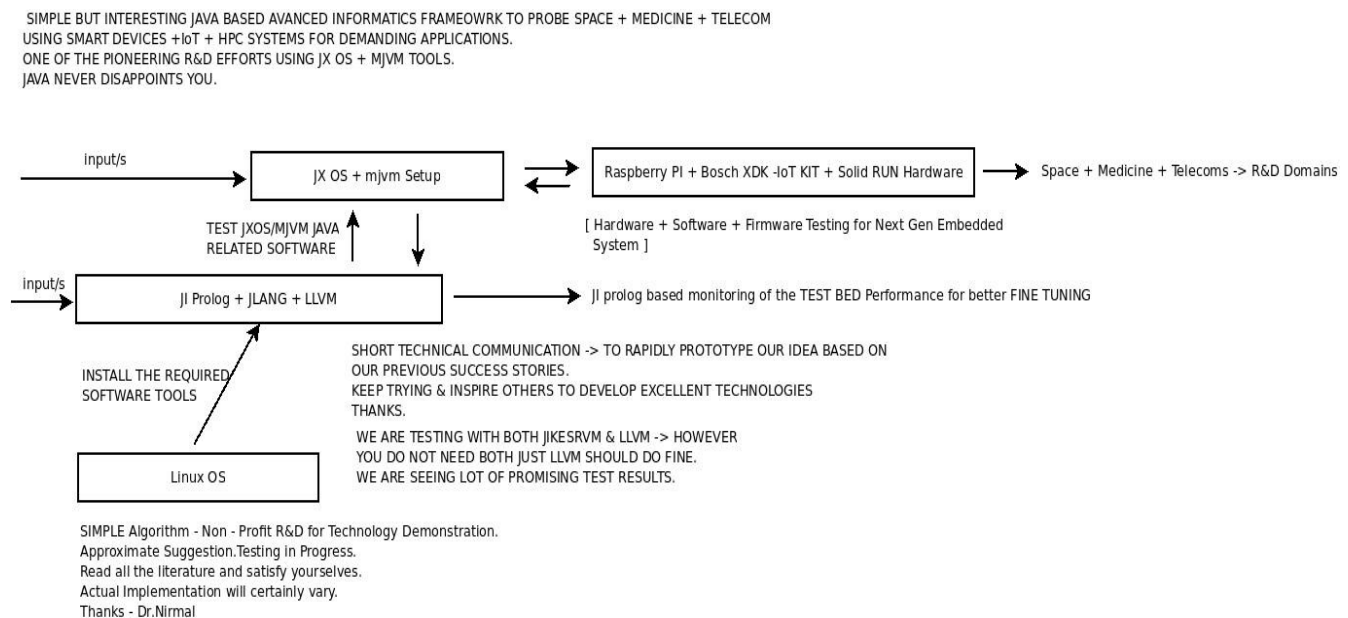
[Exploring Java based TEST BED Architecture for Embedded Systems]

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[I] Main Idea + Inspiration + Introduction :

SIMPLE BUT INTERESTING JAVA BASED AVANCED INFORMATICS FRAMEOWRK TO PROBE SPACE + MEDICINE + TELECOM USING SMART DEVICES +IoT + HPC SYSTEMS FOR DEMANDING APPLICATIONS.
ONE OF THE PIONEERING R&D EFFORTS USING JX OS + MJVM TOOLS.
JAVA NEVER DISAPPOINTS YOU.

input/s

JX OS + mjvm Setup

Raspberry PI + Bosch XDK -IoT KIT + Solid RUN Hardware

Space + Medicine + Telecoms -> R&D Domains

TEST JXOS/MJVM JAVA RELATED SOFTWARE

[Hardware + Software + Firmware Testing for Next Gen Embedded System]

input/s

JI Prolog + JLANG + LLVM

JI prolog based monitoring of the TEST BED Performance for better FINE TUNING

INSTALL THE REQUIRED SOFTWARE TOOLS

SHORT TECHNICAL COMMUNICATION -> TO RAPIDLY PROTOTYPE OUR IDEA BASED ON OUR PREVIOUS SUCCESS STORIES.
KEEP TRYING & INSPIRE OTHERS TO DEVELOP EXCELLENT TECHNOLOGIES THANKS.
WE ARE TESTING WITH BOTH JIKESRVM & LLVM -> HOWEVER YOU DO NOT NEED BOTH JUST LLVM SHOULD DO FINE.
WE ARE SEEING LOT OF PROMISING TEST RESULTS.

Linux OS

SIMPLE Algorithm - Non - Profit R&D for Technology Demonstration.
Approximate Suggestion.Testing in Progress.
Read all the literature and satisfy yourselves.
Actual Implementation will certainly vary.
Thanks - Dr.Nirmal

[Figure I – Algorithm I – Our Simple Informatics TEST BED]

JX OS + mjvmk → Seem to be promsing tools in our exploration of ES + Prolog.

[II] References : https://github.com/tejdnk-2019-ShortNotes https://www.cs.cornell.edu/~dzag/other

[III] Acknowledgment/s : Thanks to all. Non-Profit R&D. Inspiring Others Always is GOOD.

[THE END]