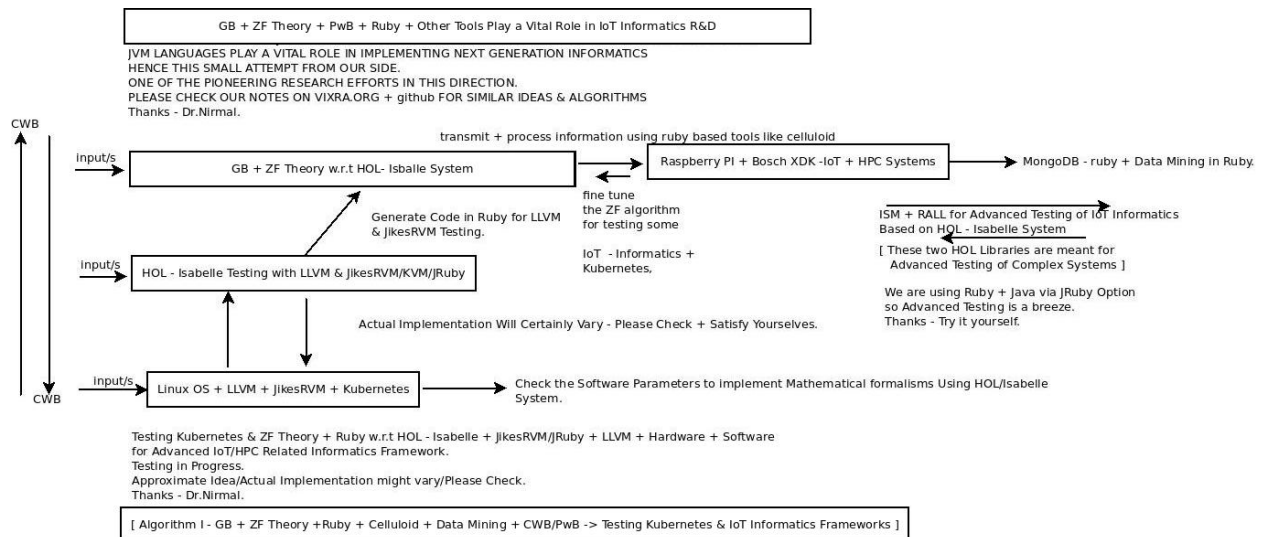


# [ Grobner Bases + ZF Theory + Ruby + Java + LLVM/JikesRVM/JRuby → HOL - Higher Order Logic + Kubernetes + IoT Informatics + HPC Systems R&D. Exploring HOL – Isabelle System & CWB – Concurrency Work Bench/PwB w.r.t Celluloid + Data Mining Tools in Ruby for Rapid Testing - A Short Technical Communication ]

Dr.Nirmal - hmfg2014@gmail.com - Current Member & Independent Consultant - ante Inst UTD Dallas TX USA.

## [I] Some interesting R&D Ideas Using ZF Theory + Grobner Bases w.r.t HOL/Ruby/Java :



**Figure I - IoT Test Framework Using Advanced Software Tools & Mathematics.**

## [ II] Important & Useful References :

[a] <https://github.com/tejdnk-2019-ShortNotes/2021-Nir-Informatics>

[b] <https://github.com/tejdnk-2019-ShortNotes/2021-Nir-Informatics/blob/main/ZFPwBImgHOL2021.pdf>

[c] <https://github.com/tejdnk-2019-ShortNotes/2021-Nir-Informatics/blob/main/ZFImgHOL2021.pdf>

[d] [https://www.isa-afp.org/entries/Groebner\\_Macaulay.html](https://www.isa-afp.org/entries/Groebner_Macaulay.html)

[e] <https://www.isa-afp.org/entries/Forcing.html> + Other HOL Libraries for your use.Read carefully please.We are not mentioning here all the references.Please Check.Thanks.

**[III] Acknowledgment/s :** Non-Profit R&D. Inspire Others Always. Sincere Thanks to all.

[ THE END ]