

[Gentle Compiler Construction System/Cool-SPE] in the Context of [Minsky Machines/NLP] towards BIG DATA Testing on IoT/HPC – [Hardware+Software+Firmware] R&D Platforms – A General Approach in Using Minsky Machines+NLP.

Nirmal Tej Kumar

Senior Researcher Informatics/Embedded Systems/Imaging/AI/Photonics/HPC R&D.
R&D Collaborator USA/UK/Germany/Israel/BRICS Group of Nations.
Current Member ante Inst,UTD,Dallas,TX,USA.
email id hmf2014@gmail.com

[I] Inspiration + Introduction :

The GENTLE Compiler Construction System – “ Welcome to Gentle, the universal toolkit for compiler writers and implementors of domain specific languages.

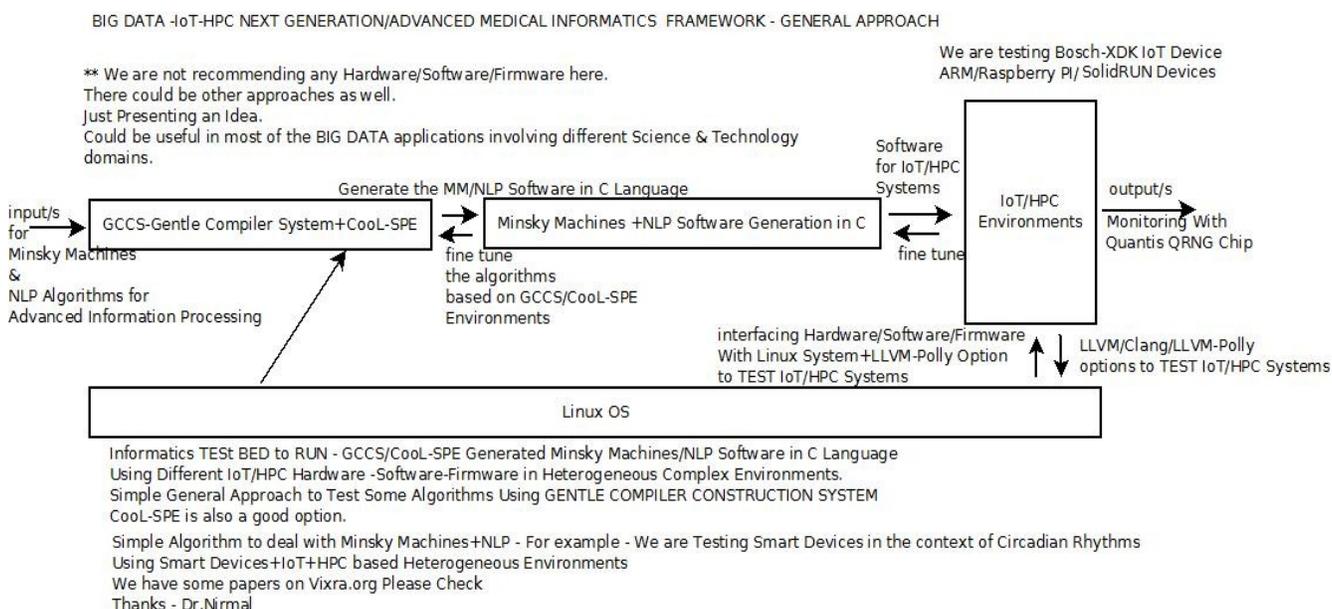
[Gentle is widely used in industry and research.](#) It has been applied in large projects and for constructing various commercial products. Users report that Gentle significantly increases productivity.

[Gentle covers the full spectrum of translation.](#) It supports language recognition, definition of abstract syntax trees, construction of tree walkers based on pattern matching, smart traversal, simple unparsing for source-to-source translation, and optimal code selection for microprocessors. Gentle provides a uniform framework for all of these tasks.

[Gentle is freely available](#) for open source projects, personal usage, and education.”

[Source – <http://gentle.compilertools.net/>]

[III] R&D Informatics Framework with GCCS/Cool-SPE/Smart Devices/BIG DATA/IoT/HPC :



[Figure I – Algorithm I –Our Simple Test BED for Testing our Idea]

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

[a] <http://vixra.org/abs/1907.0115> – Some useful information.

[IV] Acknowledgment/s :

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

[THE END]