# Exploring + Testing → Advanced Medical Image Processing Framework/ w.r.t MRI Using → Haskell/LLVM Related Informatics Tools Like Support Vector Machines [SVM] / DICOM / Ramsey Theory Concepts Based QRNG-Smart Devices + IoT + HPC R&D Environment/s.

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**[I] Main Idea + Inspiration + Introduction :**

TITLE itself is very clear. Functional Programming is very strong and useful.

Exploring Medical Imaging Algorithms to derive Haskell based **Advanced Image Processing Algorithms**.

"There are many interesting applications of Ramsey theory, these include results in number theory, algebra, geometry, topology, set theory, logic, ergodic theory, information theory and theoretical computer science. Relations of Ramsey-type theorems to various fields in mathematics are well documented in published books and monographs. The main objective of this survey is to list applications mostly in theoretical computer science of the last two decades not contained in these."

[ Source → **Ramsey Theory Applications by Vera Rosta** * The Electronic Journal of Combinatorics (Dec 2004), #DS13 ]

**[II] Haskell Based MRI R&D Informatics Heterogeneous Framework :**

**\*\* Please Derive Your Own Informatics Framework to Process Medical Images Using FPL – Haskell.Just Follow our Short Technical Notes on Vixra.org + github.**

 **[ Simple Algorithm I – Advanced Image Processing + Informatics Framework ]**
**[ Advancing Medical Image Processing w.r.t Haskell + its Tools ]**

**[III] Haskell + Related Tools Information :**

[a] https://www.haskell.org/

[b] https://hackage.haskell.org/package/svm

[c] http://github.com/dicomgrid/dicom-haskell-library/

[d] Ramsey Theory reveals the conditions when sparse coding on sub sampled data is unique by Christopher J. Hillar, Friedrich T. Sommer.

[Source - https://www.msri.org/people/members/chillar/files/draftacs.pdf ]

**[IV] Important + Useful References :**

[a] https://github.com/tejdnk-2019-ShortNotes/  - lots of information on above mentioned topics.

[b] https://vixra.org/pdf/1709.0376v1.pdf – related Short Technical Notes.

[c] https://www.diva-portal.org/smash/get/diva2:5026/FULLTEXT01.pdf  - MRI

**[V] Acknowledgment/s :** Sincere Thanks to all WHO made this happen in my LIFE.
                    Non-Profit R&D. Inspire Others Always.

**[ THE END ]**