

MyVitaQus: MY VITAMIN QUICK SEARCH ENGINE BOOSTER FOR IR 4.0







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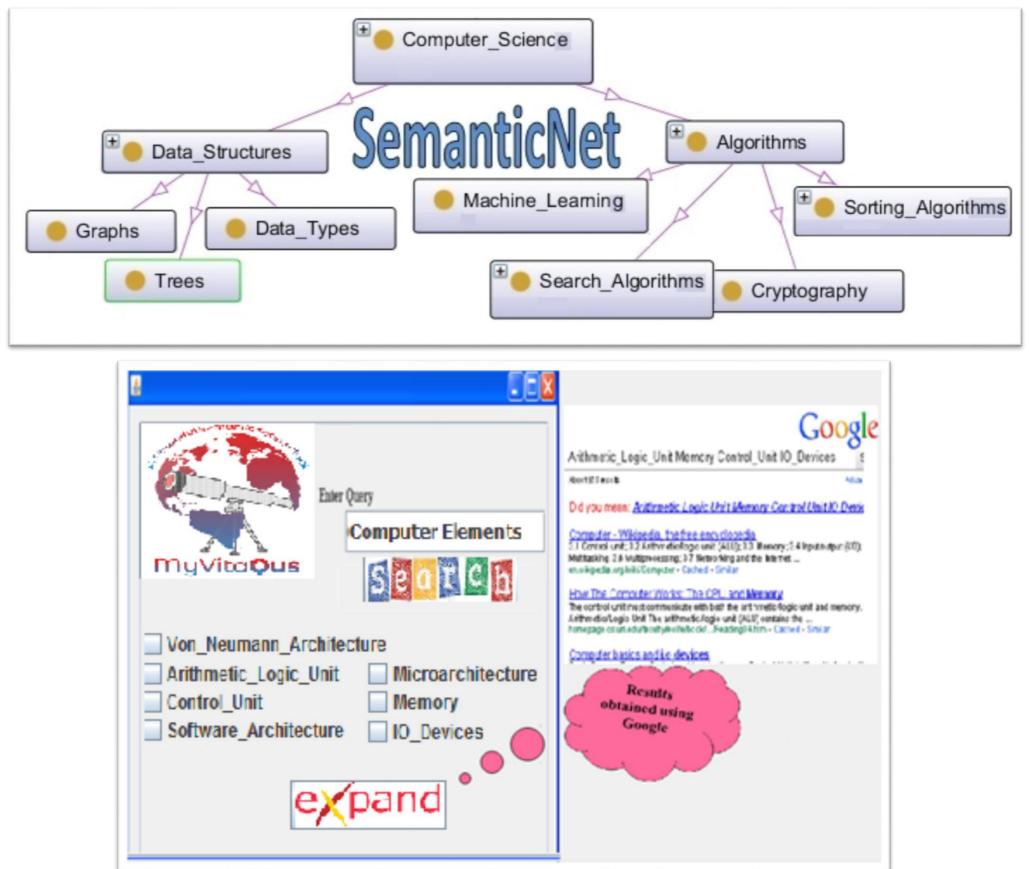
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PRODUCT BACKGROUND

- MyVitaQus is a powerful semantic search tool to locate documents related to your requirements from the diverse and unstructured big data world.
- Using JAVA environment and JENA API.
- Provide **better performance** than popular Google search engine in retrieval of relevant result from large pool of WWW based on user desires.
- 43.2% precision over Google and 20.2% precision over WordSet technique show the accuracy of MyVitaQus in retrieval of relevant information.
- Flexible tool to any domain.

BENEFITS

STATE OF THE ART

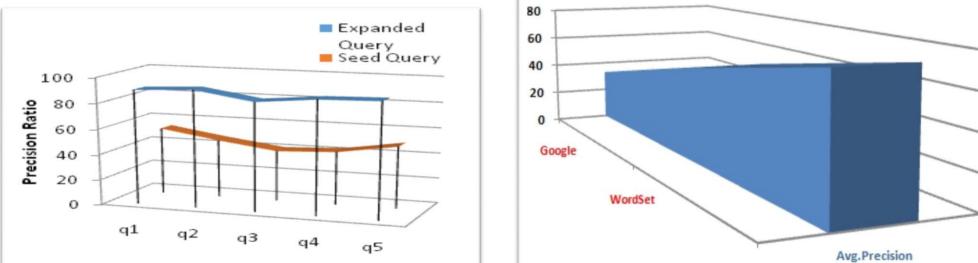


- As a solution to search required information semantically using short user queries (containing 2 or 3 words) from diverse pool of WWW in big data world.
- Offers a semantic search list to limit search range & narrow down the results for higher retrieval relevancy.

ENVIRONMENTAL IMPACT

- MyVitaQus is a lightweight tool does not rely on SERVER computer for optimal results. Thus, saves energy consumption and management complexity.
- *MyVitaQus* can run on low powered devices (client) and not needed dedicated server. Thereby, generates minimal heat.
- *MyVitaQus* provides an energy efficient search behavior. It supports information retrieval systems to find relevant information in less time. Thereby saving time per user search significantly reduces the total electricity consumption of a computer.
- *MyVitaQus* is eco-friendly as it requires minimal number of resources (existing Internet structure). No additional data centres are required.

FACTORS CONTRIBUTING PRECISION INDEX



MARKETABILITY

- Plug-in: for search engine industries
- Engineering and Manufacturing Industries: for finding data from complex structure
- Education sector: especially by the researcher for affective learning
- Software engineering: utilizing tool in various models of software development.
- Medical industry: Semantic expansion for relevant retrieval
- Our product will be marketed as priced below:
- Technology RM 35,00.00
- Student Version RM 100.00 each Domain
 Organization Version RM 250.00 each Domain

PUBLICATIONS

- Ahsan, M, Rahmah, M, A. Noraziah. Roslina A.H, Nor Azhar A. & Fauziah Z. (2017). Query Expansion using Conceptual Knowledge in Computer Science Domain, Journal of Advanced Science Letter. Scopus.
- Ahsan, Rahmah, Noraziah. (2017). A survey of statistical approaches

MyVitaQus

IMPROVEMENT INDICATORS

Comparison Type	Total Sample Queries	Search Engine		MyVitaQus		
		Best P @100	Avg. P	Best P @100	Avg. P	Winner
Precision	100	51	33	81	76.2	MyVitaQus

Comparison Type	Total Sample Queries	WordSet		MyVitaQus		
		Best P @100	Avg. P	Best P @100	Avg. P	Winner
Precision	100	73	56	81	76.2	MyVitaQus

for Query Expansion, Journal of Knowledge and Information Systems, Springer (In Revision). SCI, Q2, Impact Factor: 2.004

NOVELTY

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ACHIEVEMENTS GOLD ITREX 2018

COLLABORATORS







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