

Intern Requirement

No. of students required	2
Preferred Discipline	<ul style="list-style-type: none">• Computing / Computer Science• Computer Engineering
Prerequisites/ Skills Required	<ul style="list-style-type: none">• Exposure to relational databases• Java

Project Details

Title	Search Engine Vs RDBMS
Overview/Background	<p>Full-text search engines and relational database management system (RDBMS) provide storage and search capabilities. However, each technology has its own strengths and weaknesses. Some applications will naturally be served best by one or the other technology. Applications may start as a traditional RDBMS-based system, but eventually be better served by a full-text search engine, and vice versa. Application of these technologies is mostly driven by the organisation's architecture (technology) roadmap, and/or the ease of development and support for additional requirements such as search on non-English text.</p> <p>In recent years, there is a convergent trend between these two technologies. Full-text engines are increasingly integrated within RDBMS, and some RDBMS may even offer full-text capabilities which are out-of-box.</p>
Objectives/Scope/ Deliverables	<ul style="list-style-type: none">• Explore different search engines e.g. Lucene, Solr, and RDBMS product e.g. OracleText, Oracle-Lucene Hybrid Index• Evaluate a suitable product and possibly design a suitable architecture to provide search capabilities on a large volume of data• Develop an application that makes use of the technology identified best for usage requirements
Project Duration	6 months