

Intern Requirement

Preferred Discipline	<ul style="list-style-type: none">• Computer Science / Computer Engineering
Prerequisites/ Skills Required:	<ul style="list-style-type: none">• Knowledge in programming languages e.g. C/C++, Java• Basic understanding of RDBMS• Familiarity with Linux is preferred though not required
No. of students required	1

Project Details

Title	Massively Parallel Processing (MPP) Database Management Systems
Overview/Background	<p>With increasing workloads, data warehouses are increasingly moving towards Massively Parallel Processing (MPP) architectures.</p> <p>In this project, the intern will be required to explore and review Open Source/COTS MPP databases and determine if they are suitable to handle heavy analytic workloads. Through this project, the intern would be exposed to parallel processing and database technologies.</p>
Scope	<ul style="list-style-type: none">• Conduct literature survey of MPP technologies and evaluate different Open Source/COTS MPP databases• Develop a basic software to demonstrate the capabilities of MPP database• Benchmark the performance difference between traditional RDBMS and MPP databases
Aims/Objectives/Deliverables	Achieve scalability in data processing capability by utilising MPP technologies
Project Duration	<input checked="" type="checkbox"/> 2-4 months <input checked="" type="checkbox"/> 6 months