

Intern Requirement

No. of students required	1
Preferred Discipline	<ul style="list-style-type: none">• Computer Science• Computer Engineering
Prerequisites/ Skills Required	<ul style="list-style-type: none">• Good programming background• Knowledge of C/C++, and C# would be an advantage

Project Details

Title	Comparison Engine for Binary Files
Overview/Background	<p>MD5 and SHA are common methods used for comparing difference between any files. They are simple to use and fast, but no longer effective when any change is made to the files. By changing any one byte of data, the MD5 and SHA change completely.</p> <p>In this project, the intern is to explore other efficient methods of comparing binary files that are effective in finding similarity even if some part of the file changes. The methods found must be able to handle large number of files within a short period of time (e.g. 1 file per second).</p> <p>The intern need not come out with his own algorithm; but to explore what are available and use those suitable ones to develop a comparison engine for the binary files.</p>
Objectives/Scope/ Deliverables	A program that can compare large number of files efficiently
Project Duration	2-4 months