

School of Engineering and Built Environment

# IAESTE Student Project - GitHub Student Team Assessment Tool (GhSTAT)

## Task 1 - Investigate the use of git/GitHub and approaches which may be taken to working with GitHub in student teams

Your investigation is aimed at consolidating your own understanding of the git protocol for distributed version control and GitHub’s services which are built around this protocol.

**You should consider the following questions:**

* How does git differ from version control systems such as CVS and Subversion?
* How does the branch and merge model in git work?
* What software tools are available to support teams working with git and GitHub?
* What issues/difficulties/solutions have been found by educators using git and GitHub with students?

**Sources of information may include:**

* GitHub’s own documentation, e.g. <http://learn.github.com/p/>
* Other online tutorials, e.g. <http://git-scm.com/book>
* Google Scholar, which has the capability to search academic papers and similar sources.For example, we found the following paper this way, which looks useful. You should use this and also look for additional sources. <http://www.thinkmind.org/index.php?view=article&articleid=iccgi_2012_8_30_10090>

**Deliverable:**

* You should produce a short report (2/3 pages) on the findings of your investigation.