**Nimbus Projects Cost Control**

**Introduction**

The Nimbus Research Centre, the research arm of CIT, based in Cork is involved in a wide range of projects spanning the research, industry and academia fields. These projects, often small, will at times experience budget overruns. Small budgets with high expectations and lack of transparency on who is doing what, there is no tool to predict the actual end of a budget.

Fiscal governance is an integral aspect of project management in research within the public sector, in order to maintain

The Nimbus management require a method that will report a projects budget spend periodically and flag when it nears its limits. There are three areas that will address this. These are:

* Provision of a facility to accept input of project spend against each individual project.
* Provision of a Dashboard to clearly represent budget summary information that will flag projects that are near or over budget and may also identify trends.
* Provision of an alert facility to notify Project managers of their projects when nearing budget limits.

This motivation of this paper is to detail a solution to provide the management at the Nimbus Research Centre the tools to identify the actual end of a project’s budget.

This paper will provide the research for three possible solutions to this problem, these are:

* Incorporate into the existing Nimbus Projects Administration tool
* Develop a new system replacing the Nimbus Projects Administration tool
* Incorporate into Jira – used within Nimbus as a software development project management tool.

The Nimbus Research Centre is at the forefront of cyber-physical systems (CPS) and Internet of Things (IoT) research, innovation and learning developing technologies that address the real needs of industry, people and society. The clients of Nimbus are often in the news and therefore whenever one of these clients are reported in the technological news this