



<b>Project Title:</b>	Intelligent Business Transaction Agents for Cross-organisational Workflow Collaboration
<b>Student Name:</b>	Mohammad Saleem
<b>Supervisor Name:</b>	Professor Paul Chung & Dr Shaheen Fatima
<b>Start/End Date:</b>	1 <sup>st</sup> December 2008 – 30 <sup>th</sup> November 2011
<b>Funding Source:</b>	IMCRC Loughborough
<b>Department:</b>	Computer Science

### **Project Description:**

This project aims to detect and bridge differences between cross-organisational workflow systems using intelligent agents. Users from different organisations will give high level descriptive goals, and the system will then create an intelligent agent for each organisation that will then create compatible workflows for its relevant organisation. The agents will also manage and monitor the compatible workflows at runtime.

The system will enable the user to avoid the time consuming process of modelling workflows and then making them compatible to other enterprises' workflows. Because if an enterprise has to deal with thousands of other organisations, it would be almost impossible to make its workflow compatible every time it interacts with some other organisation. Also the business environment in real world is highly dynamic, so once the workflow changes the organisation will have to bother about making it compatible to all organisations it interacts with. This is a very time and resource consuming task.

This system will let different organisations/users enter their rules for business and main goals and then it will take care of composing web services for interacting organisations in a way that their workflows are compatible.