Job Description: Student Intern for Dow Coating Material

**Job Overview:**The Dow Chemical Company has a 6-month period Student Intern opportunity in our Coating Material Technical Service function located in Shanghai, China.

Dow Coating Material provides a variety of products and services to meet the needs of our customers and brings breakthrough and sustainable solutions to the industry.

The successful candidate will work in collaboration with IT professionals to develop Lab Informatics Integration Systems for the Asia Pacific TS team. This project is to integrate current R&D informatics tools: LIMS(test request management), PCFX(formulation and raw materials management) and ELN(electronic lab notebook to manage experiment record and data). This integrated platform would reduce the manual workforce in lab work process and bring more efficiency for lab work management. It would also buildup fundamental elements of in silico strategy for modern R&D lab. Specifically the project scope will involve:

* Update current TT pool system backend and database to global LIMS server;
* Paint formulation cross reference function in new LIMS for AP DCM TS with global PCFX 2015;
* Automatic generate new ELN entry from new LIMS website.

**Core Responsibilities:**

* Development of application components, pages and functions as directed by Project Manager;
* Correction of application “bugs” by making code changes and testing code changes to ensure fixes to applications;
* Ensure all the development works are well documented and understood;
* Communication of status, progress and issues to Project Manager.

**Qualifications**

* University students or postgraduate students
* Strong experience with web based software development (ASP.net MVC / JS / Web services)
* Experience in the development of management information system solutions (content management websites, workflow process websites, web application, etc.)
* Experience with markup (HTML, XML, etc.)
* Experience with SQL (MS SQL Server preferred)
* Excellent communication, organization and documentation skills
* Positive attitude, enthusiasm, motivation and a desire for continuous improvement.