

## **KOOPrime and Nanyang Polytechnic to collaborate on adoption of Google technologies to address life sciences issues**

*Singapore 9th Jun '08* – KOOPrime and Nanyang Polytechnic are coming together to innovate exciting visual centric applications for the life sciences by adopting popular technologies like GoogleMap.

Since 2007, Nanyang Polytechnic has worked on the deployment of contents and tools for infectious disease control. Useful geographical data with regards to distribution of estates, sub-populations, etc. are painstakingly harvested from various web based sources. In addition, NYP also proceeded to develop extraction techniques for GIS based legacy systems that are popularly used by various government and commercial organizations. By re-organising of the contents, NYP visualized layers of information on interactive frontend systems like GoogleMap. This facilitates rapid exploration and exploitation of the contents for interesting trends and patterns.

This development dovetails with the progress that KOOPrime made in the life sciences area. KOOPrime is currently working with users and partners who are into disease surveillance, biodiversity and food safety and traceability. These are all important areas that have critical implications on the growth and development of users not only in Singapore, but for the rest of the world.

- Together with Novartis Institute of Tropical Diseases and Genome Institute of Singapore, KOOPrime jointly released the **DengueInfo Web Portal** in late 2007 for all scientists and members of public across the 'Dengue Belt' to access and share clinical, genomics and literature publications. The group is aiming to bring the system to more users by adding more user friendly and powerful visualization components.
- KOOPrime and Eu Yan Sang International are awarded a grant by the Prime Minister Office Singapore in April 2008 to jointly develop the

- iGATES system which aims to address **food safety and traceability** issues from source to counter. This requires the tracking of important protocols and information all the way from farms, to quality control laboratories, to manufacturing plants and eventually distribution hubs.
- With the support of Global Biodiversity Information Facility (GBIF), KOOPrime has recently begun to collaborate with MacQuaraine University in the usage of technologies to enable the standardization of bio-terms so that users of the **Biodiversity** community can share bio-information meaningfully.

As mentioned by Mr Lim Teck Sin, founder of KOOPrime, “KOOPrime is able to establish a strong track record in life sciences by fostering synergistic partnerships. This joint initiative with Nanyang Polytechnic will allow KOOPrime to leverage on the latest development in technologies, e.g. from Google. KOOPrime appreciates the opportunity to jointly develop this strategic core competence with Nanyang Polytechnic. This will enrich the IT experience for life science users in Asia and beyond”.

Dr Joel Lee, Director (Life Sciences) of Nanyang Polytechnic said, “We are strongly committed to the building of core competence in state-of-art technologies like Google which are finding increasing interest and usage by students and staff across various industries, including life sciences. We are glad to work with KOOPrime in its development for life sciences. ”.

### **About KOOPrime Pte Ltd**

KOOPrime Pte Ltd was established in 2000. KOOPrime is the leading provider of IT products and solutions for the biomedical industry. This is made feasible via popular software platforms that integrate components dealing with Data Collection, Data Warehousing, Data Mining and Data Visualization. Systems delivered are Cross-Platform, Cross-Language, Cross-Domain and modular. Find out more at [www.kooprime.com](http://www.kooprime.com)

**About Nanyang Polytechnic (NYP)**

The School of Chemical & Life Sciences at Nanyang Polytechnic is committed to provide a conducive learning environment to nurture fertile minds and spark creativity and innovation. At NYP, students and staff enjoy brand-new facilities as well as training on the latest technologies in modern and state-of-the-art laboratories. In addition to this, NYP team of highly qualified, dynamic and caring lecturers are committed to equipping students with professional and value-added skills.

Under the Polytechnic's Industrial Attachment program, students can gain invaluable first-hand learning experience of the life science industry even before they graduate. Opportunities for attachment to companies are available where students can gain an international perspective on Life Sciences and be exposed to cultures, work styles and economic environments.

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