NUS Institute of Systems Science offers new Master of Technology in Enterprise Business Analytics programme

By **Networks Asia Staff** | Jul 5, 2013

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Starting January 2014, the Institute of Systems Science (ISS) at the National University of Singapore (NUS) will launch an intensive, multi-disciplinary Masters programme in business analytics to equip IT, science and engineering professionals.

Offered by ISS, in collaboration with the Department of Industrial and Systems Engineering and the Division of Engineering and Technology Management of the NUS Faculty of Engineering, the Master of Technology in Enterprise Business Analytics (MTech EBAC) will be taught by enterprise practitioners with over 150 years of collective experience. This ensures that students will be specially trained and prepared to meet industry demands for practical business analytics know-how in Singapore and the region.

Dr Leong Mun Kew, Deputy Director of Graduate Programmes, ISS, said, "As with our two earlier Masters programmes, the MTech EBAC will be taught by teaching staff who are former and current practising professionals with a passion to transfer the knowledge to future practitioners. They have lived and breathed the subject matter. Therefore, these enterprise practitioners are able to share with our students their experience in real world challenges, how to design practical solutions to resolve situations and highlight reality with stories and learning points that students can relate to."

Dr Leong added, "Coupled with project work in real-life assignments that require students to apply their newly-acquired skills, our programme immediately gives our students an edge before they join the workforce. Hence, the name Enterprise Business Analytics to connote our focus on the ecosystem of analytics in an enterprise."

Dr Barry Shepherd, a former Data Mining Research Analyst at Microsoft, is one of the professionals who will be teaching the Masters programme. He also brings with him over 30 years of experience in working on the supply chain management (SCM) analytics in Amazon.

ISS has also teamed up with leaders of the business intelligence and analytics field, like SAS, to provide students with insights into the latest industry trends and movements within the sector, case studies and best practices. Please refer to the Annex for quotes from key industry players on the MTech EBAC.

The MTech EBAC is designed for new practitioners and entry-level practitioners who wish to upgrade their skills. Through the programme, they will develop skills and gain knowledge in business analytics that will enable them to move into specialist or expert positions in this field. Both full-time and part-time programmes, for a duration of 16 months and 28 months respectively, are available.

Comprising 15 technical courses covering advanced analytics, decision making and optimisation, campaign management and software metrics and process improvement, the curriculum also includes a team-based practicum project. Students will work on this project while on attachment to an organisation in various sectors such as IT, logistics and transport sectors. This will provide students with the opportunity to apply the tools, techniques and methods they have learned and at the same time, the organisation will benefit from the introduction of new technologies.