

Expanding Career Possibilities

Most people would look for a Master's programme that is directly related to their work, but not Sathasivaier Nadarajasarma.

"I was looking for a Master's programme in a stream which is different from conventional software engineering, and the curriculum for the Master of Technology in Knowledge Engineering (MTech KE) programme at the Institute of Systems Science at the National University of Singapore (NUS-ISS) matched my interest in Artificial Intelligence and Data Analytics," said Nadaraj, who graduated recently as the top student of his cohort.

Nadaraj was able to put what he learnt to good use in his work. "Even though my current job is not related to knowledge engineering, I am trying to implement KE techniques into my work gradually to increase the performance of my company products," said Nadaraj, who is currently a Senior Software Engineer at Flextrade Systems Singapore.

Learning from One Another

Having taken the programme on a part-time basis, one of the things which Nadaraj enjoyed most is having experienced professionals as his peers. "My classmates were all experienced professionals from different knowledge background, so we had a great time learning as we worked in teams," shared Nadaraj.

In fact, Nadaraj attributes his achievement in becoming the top student of his MTech KE cohort to his team mates. "In the MTech KE programme, 40% to 50% of our results is dependent on our projects. Without my excellent team mates, I would not have been able to achieve this on my own."

On the strength of this programme, Nadaraj said, "The main advantage of this curriculum is its practical and industry-oriented design. We had a team project in each semester, which gave us a clear understanding of the concepts."

Applying Knowledge Engineering to Different Industries

Reinforcing Nadaraj's experience, Mr Charles Pang, Chief of MTech KE programme, said, "The MTech KE programme is relevant across all industry sectors, including that of software engineering, as long as there are complex business, science or engineering problems to be



Nadaraj is implementing newly-acquired skills at his job.

PREVIEW TALKS 2015

**MTech Software / Knowledge Engineering
& Enterprise Business Analytics**

Thur, 10 Sep

**MTech Knowledge Engineering, Enterprise
Business Analytics & IT Leadership**

Tues, 22 Sep

7pm to 8.30pm

NUSS Suntec City Guild House

Register online at

www.iss.nus.edu.sg/mttech to reserve a seat

solved. By taking on internships and projects as part of the curriculum, our students can use knowledge and data engineering tools and techniques to deliver optimal business value."

Knowledge Engineering as a Booster

Having been through the 2.5 years part-time course, Nadaraj believes that software engineering and knowledge engineering is not all separate.

"As a software engineer and part-time student, I can confidently say that, this is the best course you need to do for your Master's degree. Every software developer should know computational intelligence techniques to survive in the saturated and competitive software engineering market. To grow in the software field, you will need to know KE techniques, such as neural networks, optimisation algorithms and data analytics. The MTech KE course is not a different field, it is the path to go to the next level of software engineering. It will be a great add-on for your career," said Nadaraj.

The next intake for the Master of Technology in Knowledge Engineering (MTech KE) programme is in January 2016. To find out more about the programme, visit www.iss.nus.edu.sg/GraduateProgrammes/MasterofTechnology.aspx