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Nicholas Yeo, Founder & Actuary of Nicholas Actuarial Solutions, and Debbie Ooi, Actuarial Analyst present about developing actuarial applications using R Shiny

At the Society of Actuaries event of Asia-Pacific Annual Symposium 2022, Nicholas Yeo and Debbie Ooi presented about developing industry-grade, automated R Shiny application for various actuarial work from scratch.

Kuala Lumpur, Malaysia, June 7, 2022, Nicholas Yeo, Founder & Actuary of Nicholas Actuarial Solutions, and Debbie Ooi, Actuarial Analyst presented at the SOA Asia-Pacific Annual Symposium that was held virtually. They described the processes and challenges of developing industry-grade, automated R Shiny applications for various actuarial work from scratch.

The theme of this year's symposium is "New Frontier of Insurance and Actuaries". The symposium provides a learning and networking platform for members and non-members in the Asia-Pacific region to share their experiences in the actuarial profession, the finance and insurance industries, as well as other fields related to actuaries.

In the presentation, Nicholas and Debbie shared their actual experience in designing, building, and executing IFRS 17, reinsurance, and risk management applications in R Shiny. They also discussed various topics, including UI design, application performance, data wrangling, and integration of manual adjustments. A detailed explanation was presented regarding the breakdown of R code during the 'Building R Shiny App', 'Furnishing R Shiny App', and 'R Shiny App Performance'.

Nicholas Actuarial Solutions is a technology-focused actuarial firm. Established in Kuala Lumpur, Malaysia in 2015, it is now a leading actuarial firm in Asia with 5 offices in the region. Nicholas Actuarial Solutions is the first and only actuarial firm awarded MSC Malaysia status by the Malaysian government, a mark of world-class service and achievement. In 2020, Nicholas Actuarial Solutions received the Quality Assurance Scheme (QAS) accreditation from the Institute and Faculty of Actuaries. The QAS mark is a clear signal of Nicholas Actuarial Solutions' commitment to the highest standards, giving both confidence to employees and a guarantee of quality to clients. In 2019, Nicholas Actuarial Solutions was awarded Top Actuarial Firm in Asia by Captive Review and shortlisted as a finalist for Risk Solution of the Year by the Asia Pacific Risk Management Awards.