



# ONLINE

Jul 5, 2023

## Emmanuel John Araneta

has successfully completed

### Operations Analytics

an online non-credit course authorized by University of Pennsylvania and offered through Coursera

Three handwritten signatures in black ink, reading "Senthil", "Sergei", and "Noah".

Senthil Veeraraghavan, Sergei Savin, Noah Gans  
Information and Decisions  
The Wharton School

## COURSE CERTIFICATE



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