



Jan 12, 2021

**Juan Pablo Arenas Velez**

has successfully completed

**Front-End Web UI Frameworks and Tools:  
Bootstrap 4**

an online non-credit course authorized by The Hong Kong University of Science and Technology and offered through Coursera

A handwritten signature in black ink, reading "J. K. Muppala", with a horizontal line underneath.

Jogesh K. Muppala  
Associate Professor, Department of Computer Science and Engineering  
The Hong Kong University of Science and Technology

**COURSE  
CERTIFICATE**



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Coursera has confirmed the identity of this individual and their participation in the course.