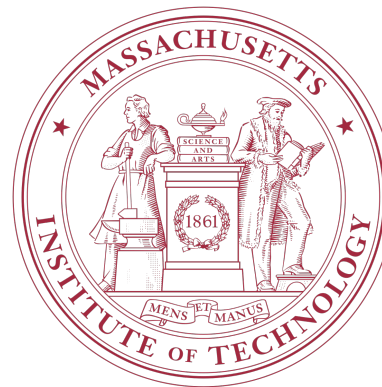


Massachusetts Institute of Technology

This is to certify that

Michael Mullen



has successfully completed the

Architecture & Systems Engineering: Models and Methods to Manage Complex Systems **PROFESSIONAL CERTIFICATE PROGRAM**

September 12, 2016 - March 12, 2017

(8.5 Continuing Education Units Awarded)



Bhaskar Pant
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Dr. Bruce Cameron
Director, System Architecture Lab
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