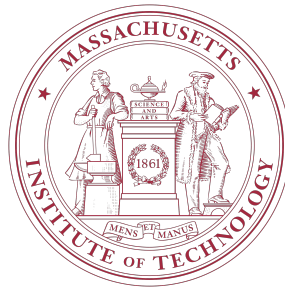




Massachusetts Institute of Technology

*This is to certify that*

**John M Cardea Jr**



*has successfully completed*

**Quantitative Methods in Systems  
Engineering**

Awarded 2 Continuing Education Units (CEUs)

February 18 - March 18, 2019

A handwritten signature in black ink, appearing to read 'Sanjay Sarma'.

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**Sanjay Sarma**

Vice President for Open Learning  
Massachusetts Institute of Technology

A handwritten signature in black ink, appearing to read 'Bruce Cameron'.

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**Dr. Bruce Cameron**

Director, System Architecture Lab  
Massachusetts Institute of Technology