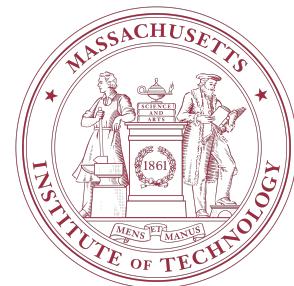




Massachusetts Institute of Technology

This is to certify that

Satish Panse



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 that reads 'Sanjay Sarma'.

Sanjay Sarma
Vice President for Open Learning
Massachusetts Institute of Technology

A handwritten signature in black ink that reads 'Bruce Cameron'.

Dr. Bruce Cameron
Director, System Architecture Lab
Massachusetts Institute of Technology