



CERTIFICATE  
*Issued Jan. 14th, 2013*

This is to certify that

**Vijaypal Singh Panwar**

successfully completed

***3.091x: Introduction to Solid State Chemistry***

a course of study offered by **MITx**, an online learning  
initiative of **The Massachusetts Institute of Technology** through **edX**.

A handwritten signature in black ink, reading "Michael J. Cima".

**Michael J. Cima**  
Professor, Dept. of Materials Science and Engineering  
**Massachusetts Institute of Technology**

A handwritten signature in black ink, reading "Sanjay Sarma".

**Sanjay Sarma**  
Director of Digital Learning  
**Massachusetts Institute of Technology**

HONOR CODE CERTIFICATE

\*Authenticity of this certificate can be verified at <https://verify.edx.org/cert/00628b6dab684a769971f1dfbbd46c0a>