

VERIFIED

CERTIFICATE *of* ACHIEVEMENT



A handwritten signature in black ink, appearing to read 'Anant Agarwal'.

Anant Agarwal

Professor, Department of Electrical Engineering and
Computer Science

Massachusetts Institute of Technology

A handwritten signature in black ink, appearing to read 'Bonnie Lam'.

Bonnie Lam

Graduate Instructor, Department of Electrical Engineering
and Computer Science

Massachusetts Institute of Technology

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

Sanjay Sarma

Vice President for Open Learning
Massachusetts Institute of Technology

This is to certify that

Nishant Mishra

successfully completed and received a passing grade in

**6.002.1x: Circuits and Electronics 1: Basic Circuit
Analysis**

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



VERIFIED CERTIFICATE
Issued November 17, 2018

VALID CERTIFICATE ID
02e0ed04ebe3460895ef48d1de8c6f5c

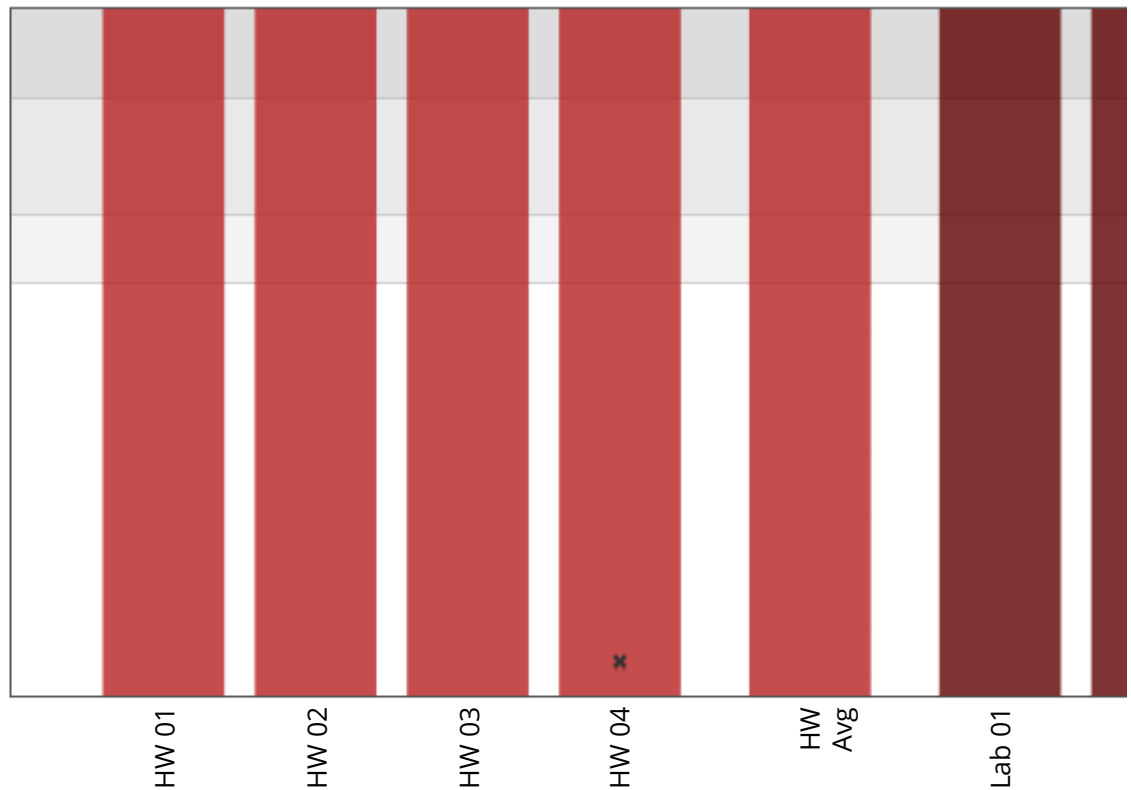


Course Progress for Student 'Nishmish' (nishant.mishra.nm@gmail.com)

Your certificate is available

You've earned a certificate for this course.

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Textbook

Textbook

No problem scores in this section

Overview

Introduction to Circuits and Electronics

No problem scores in this section

Using the Tools

Practice Scores: 0/0 0/0 0/0 0/0
0/0 0/0 0/0

Circuit Sandbox

Practice Scores: 0/0

Math Review

First Order Differential Equations

No problem scores in this section

Second Order Differential Equations

No problem scores in this section

Complex Numbers

No problem scores in this section

Calculus at Length

No problem scores in this section

Entrance Survey

Entrance Survey

No problem scores in this section

Week 1

Circuit Elements

Practice Scores: 0/0 0/0 0/0 0/0
0/0 0/0 0/0 0/0 0/0

Circuit Analysis Toolchest

Practice Scores: 0/0 0/0 0/0 0/0
0/0 0/0 0/0 0/0 0/0

Week 1 Tutorials

No problem scores in this section

Homework 1 (23/23) 100%

Homework

Problem Scores: 6/6 12/12 5/5

Lab 1 (2/2) 100%

Lab

Problem Scores: 2/2

Week 2

Linearity and Superposition

Practice Scores: 0/0 0/0 0/0 0/0
0/0 0/0

Static Discipline and Boolean Logic

Practice Scores: 0/0 0/0

Week 2 Tutorials

No problem scores in this section

Homework 2 (12/12) 100%

Homework

Problem Scores: 4/4 3/3 5/5

Lab 2 (1/1) 100%

Lab

Problem Scores: 1/1

Week 3

Inside the Gate

Practice Scores: 0/0 0/0 0/0

Circuits with Nonlinear Elements

Practice Scores: 0/0 0/0 0/0 0/0

Week 3 Tutorials

No problem scores in this section

Homework 3 (24/24) 100%

Homework

Problem Scores: 9/9 7/7 4/4 4/4

Lab 3 (1/1) 100%

Lab

Problem Scores: 1/1

Week 4

Incremental Analysis

Practice Scores: 0/0 0/0 0/0

Dependent Sources and Amplifiers

Practice Scores: 0/0 0/0 0/0

Week 4 Tutorials

No problem scores in this section

Homework 4 (17/17) 100%

Homework

Problem Scores: 4/4 9/9 4/4

Lab 4 (2/4) 50%

Lab

Problem Scores: 2/4

Practice
Exam
Problems
(Not
Graded)**Practice Exam Problems**Practice Scores: 0/0 0/0 0/0 0/0
0/0 0/0 0/0

Exit Survey

Exit Survey.

No problem scores in this section

Final Exam

Final (85/100) 85%

Final

Problem Scores:	0/10	10/15	15/15
	15/15	15/15	15/15

Optional
Material**Week 2: Logic Gates**

No problem scores in this section

Week 2: Worked Problems

No problem scores in this section

Week 2: Worked Problems

No problem scores in this section

Week 2: Bonus Material

No problem scores in this section

Week 2: Bonus Material

No problem scores in this section

Week 3: Comparing noise margins

No problem scores in this section

Week 3: Truth Table to a Circuit

No problem scores in this section

Week 3: MOSFET power dissipation

No problem scores in this section

Week 3: Load-lines

No problem scores in this section

Week 4: Current-controlled attenuator

No problem scores in this section

No problem scores in this section.

Week 4: Small Signal

No problem scores in this section

Week 4: Load Line

No problem scores in this section

Week 4: Dependent Source

No problem scores in this section