Features Manual Digital Trainer Kit Simulator

www.deldsim.com

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What is www.deldsim.com ?

Let’s start with the Introduction

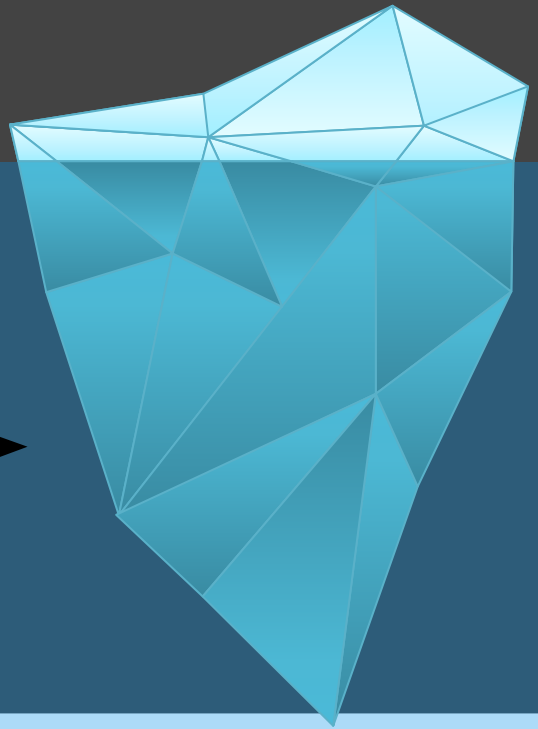
Digital Electronics & Logic Design Simulator

- ***Online platform for students*** *to perform their Digital Electronics Assignments*
- *Without any hardware requirements at anytime, anywhere on their devices.*
- *DeldSim taking small step towards* ***revolution in method of Digital Electronics circuit implementation.***
- *We launched this platform to provide students around the world with high quality knowledge in the Digital Electronics.*

Our team is passionate about supporting the Engineering Students in furthering their talent, skills and career. We are on a mission to build the world's best platform for Engineers to gain inspiration, motivation, education, knowledge about Digital Electronics.

Why Practice is important ?

Performance in Practical Exam

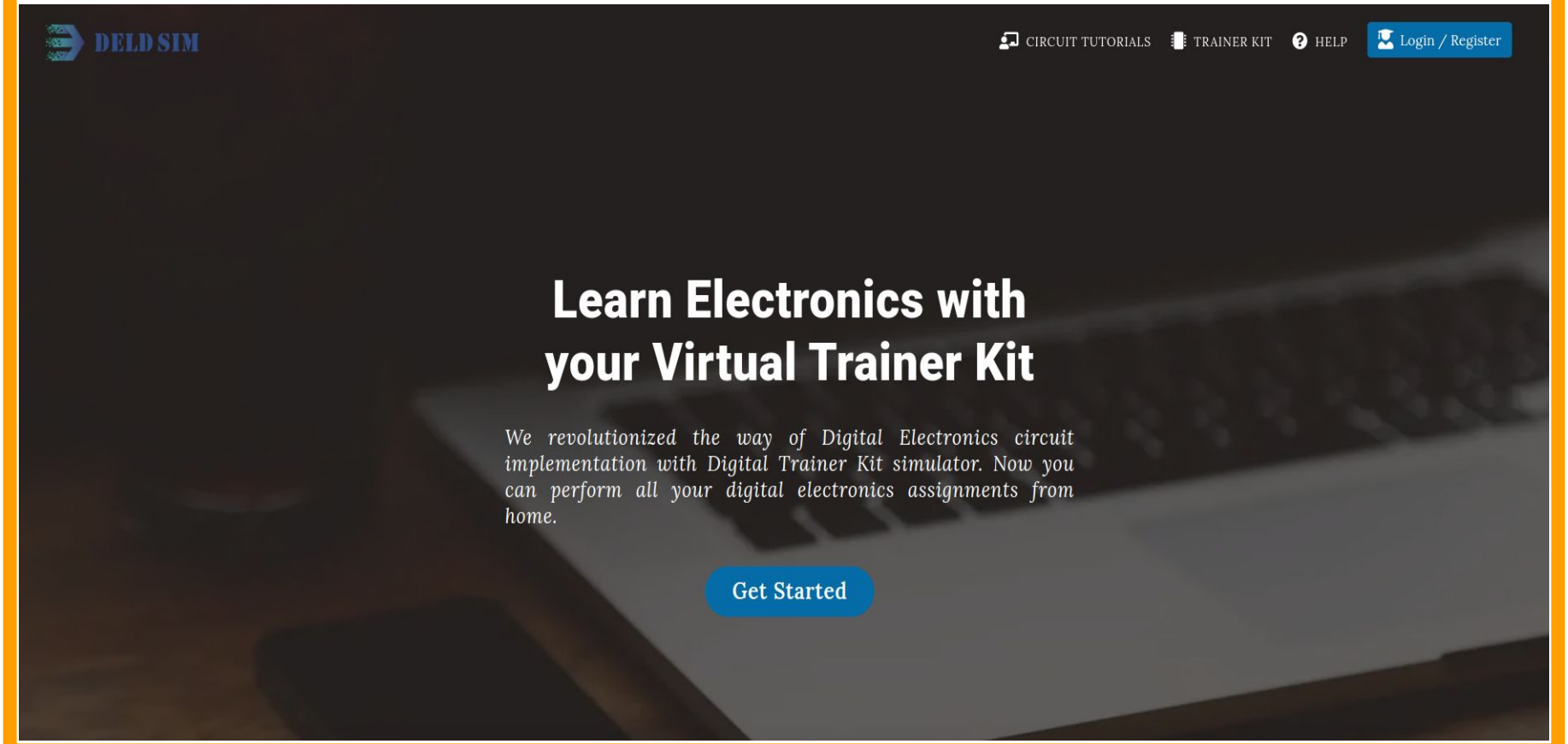


Practice & Hard Work

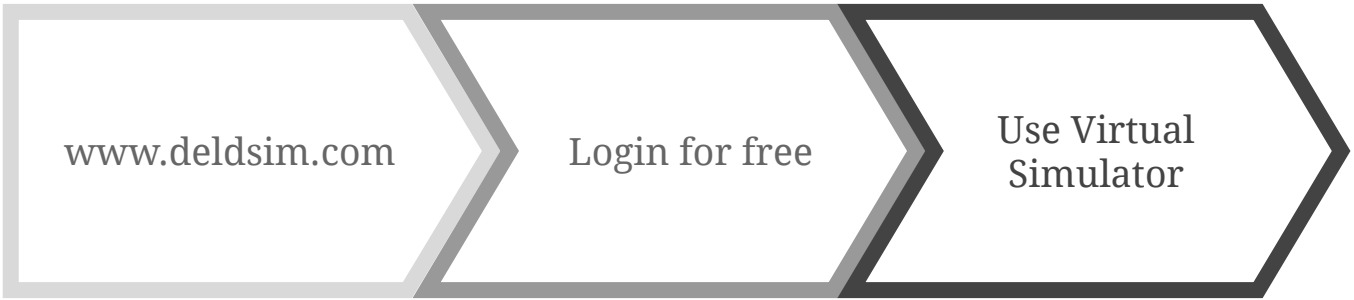
VIRTUAL SIMULATOR

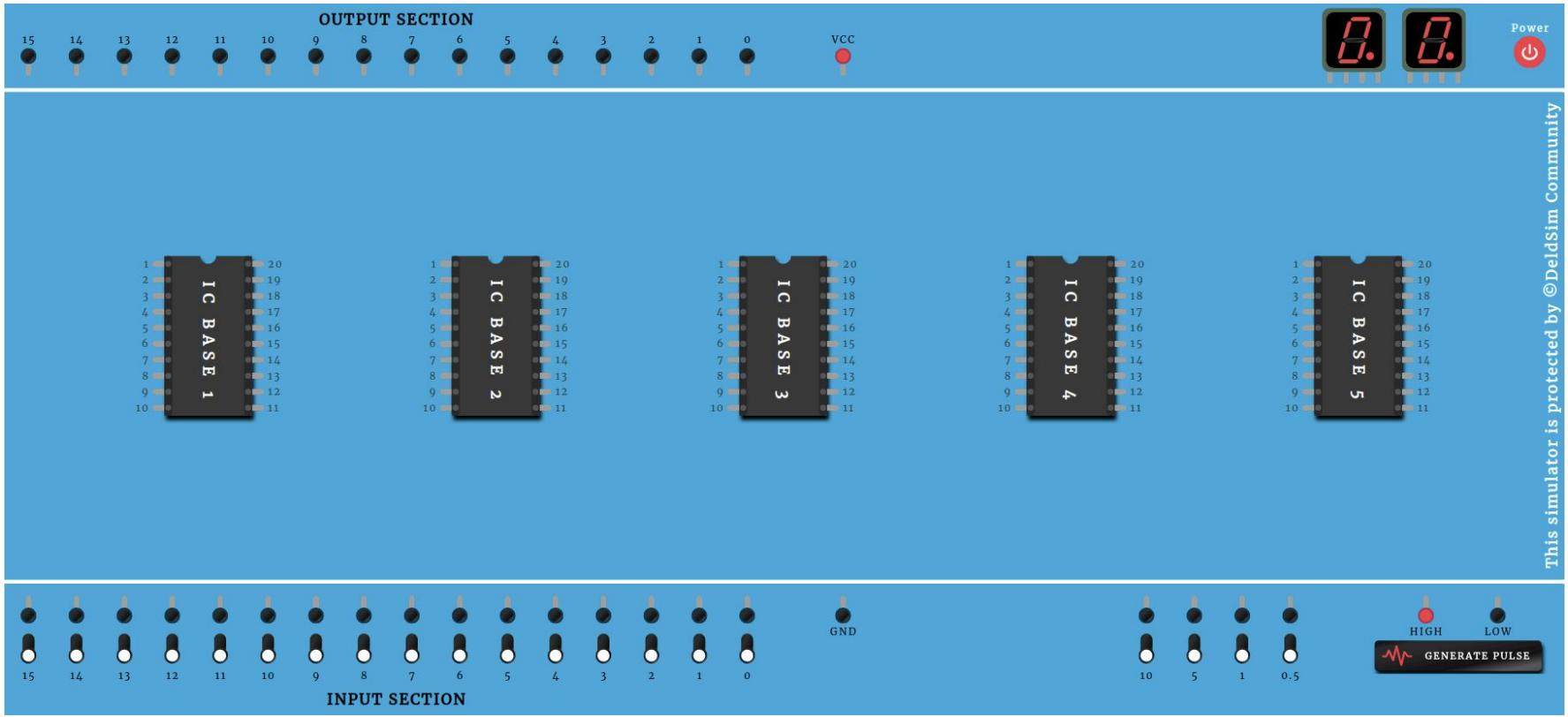
we created first Virtual Digital Trainer Kit Simulator, which offers you all the functionalities of Traditional Trainer kit which you use in your Lab.

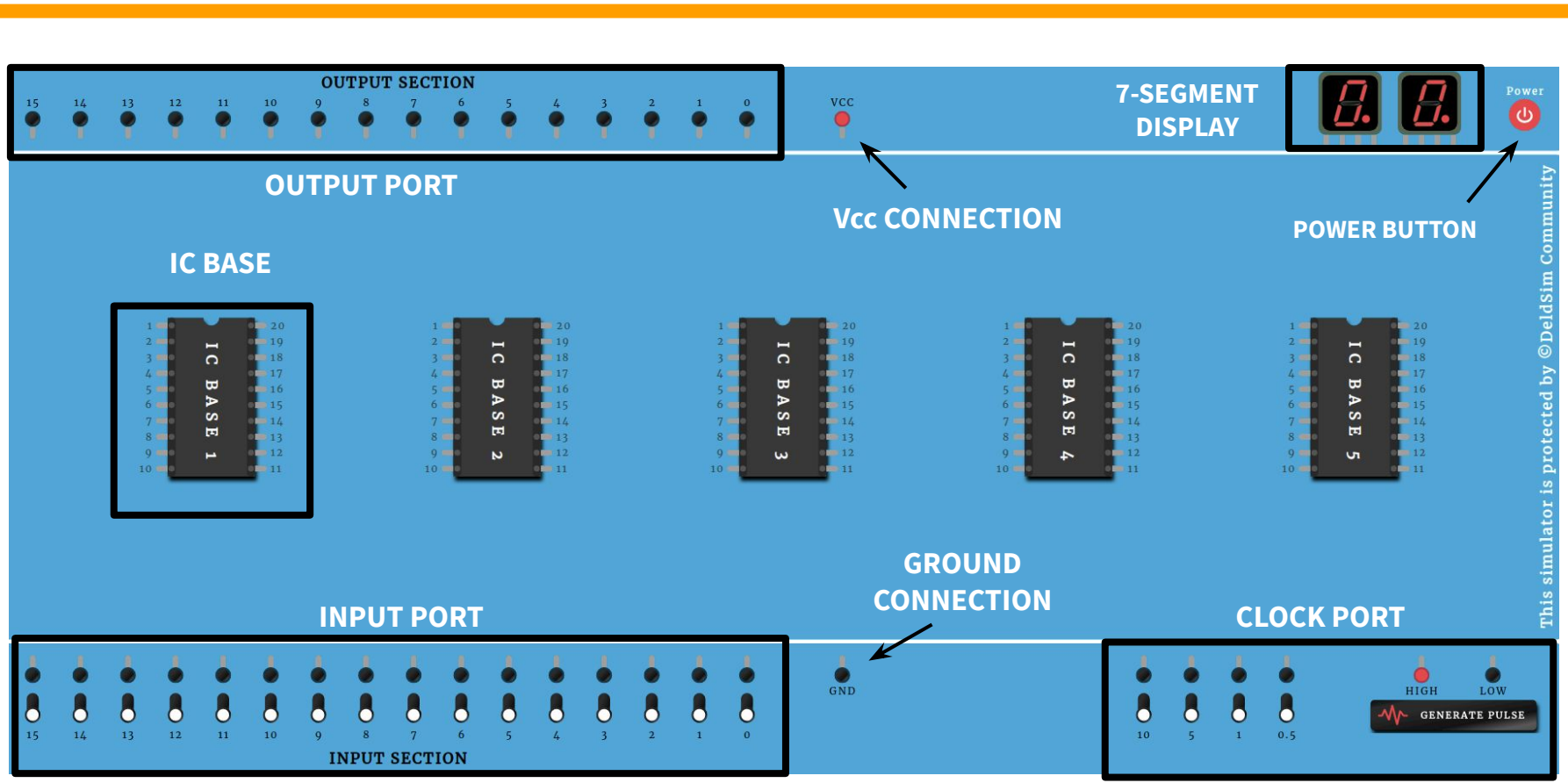
www.deldsim.com



OUR PROCESS IS EASY




OUTPUT SECTION
15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 0
VCC
Power
IC BASE 1
IC BASE 2
IC BASE 3
IC BASE 4
IC BASE 5
This simulator is protected by ©DeldSim Community
GND
HIGH
LOW
GENERATE PULSE
10 5 1 0.5
INPUT SECTION


OUTPUT SECTION
15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 0
OUTPUT PORT
VCC
7-SEGMENT DISPLAY
Power
Vcc CONNECTION
POWER BUTTON
IC BASE
IC BASE 1
IC BASE 2
IC BASE 3
IC BASE 4
IC BASE 5
GROUND CONNECTION
INPUT PORT
GND
CLOCK PORT
HIGH
LOW
GENERATE PULSE
10 5 1 0.5
INPUT SECTION
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Features of Deldsim

30+ ICs

We provide all the required ICs for different digital electronics assignments

Datasheets

We provide datasheets of all the required ICs. It helps students to understand basics of ICs

E-Teacher Assignments

we provide E-Teacher functionality to guide students with specific steps for implementation of different assignments.

Actual Current Flow

We try to visualize actual current flow in the circuits. It will helpful for students to understand basics of circuits

According to University Syllabus

All the assignments in the university syllabus can perform on virtual simulator

Easy to use

Virtual simulator is platform independent and anyone can use it on any browser without any extra hardware requirements.

ICs Available for Simulation

- **74LS00** Quad 2-input NAND Gates
- **74LS02** Quad 2-input NOR Gates
- **74LS03** Quad 2-input NAND Gates
- **74LS04** Hex Inverting Gates
- **74LS05** Hex Inverters Gates
- **74LS08** Quad 2-input AND Gates
- **74LS10** Triple 3-input NAND Gates
- **74LS11** Triple 3-input AND Gates
- **74LS14** Hex Inverters Gates
- **74LS20** Dual 4-Input NAND Gates
- **74LS21** Dual 4-Input AND Gates
- **74LS27** Triple 3-input NOR Gates
- **74LS30** 8-input NAND Gates
- **74LS32** Quad 2-input OR Gates
- **74LS38** Quad 2-input NAND Gates
- **74LS74** Dual Positive-Edge D-Flip-Flops
- **74LS76** Dual Master-Slave J-K Flip-Flops
- **74LS83** 4-Bit Binary Adders with Fast Carry
- **74LS85** 4-Bit Magnitude comparators
- **74LS86** Quad 2-input Exclusive-OR Gates
- **74LS90** Decade Counters
- **74LS93** Binary Counters
- **74LS132** Quad 2-input NAND Gates
- **74LS138** Decoders
- **74LS139** Demultiplexers
- **74LS151** Multiplexers
- **74LS153** Dual 4-1 Data Selectors/Multiplexers
- **74LS191** Synchronous 4-Bit U/D Counters
- **74LS194** Bidirectional Universal Shift Register
- **74HC191** Synchronous 4-Bit U/D Counters
- **74HC194** Bidirectional Universal Shift Register

WE PROVIDE DATASHEETS OF ALL ICs

National Semiconductor

June 1989

54LS08/DM54LS08/DM74LS08 Quad 2-Input AND Gates

General Description

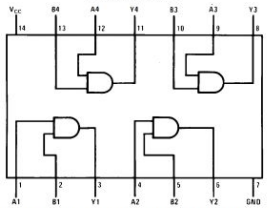
This device contains four independent gates each of which performs the logic AND function.

Features

- Alternate Military/Aerospace device (54LS08) is available. Contact a National Semiconductor Sales Office/Distributor for specifications.

Connection Diagram

Dual-In-Line Package



TL/F/6347–1

Order Number 54LS08DMQB, 54LS08FMQB, 54LS08LMQB, DM54LS08J, DM54LS08W, DM74LS08M or DM74LS08N
See NS Package Number E20A, J14A, M14A, N14A or W14B

Function Table

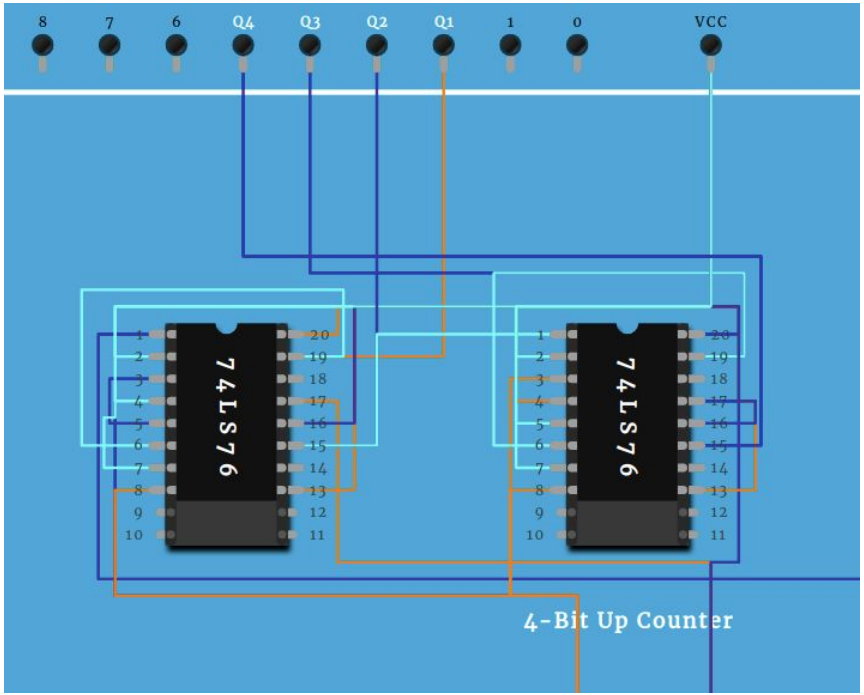
$Y = AB$

Inputs		Output
A	B	Y
L	L	L
L	H	L
H	L	L
H	H	H

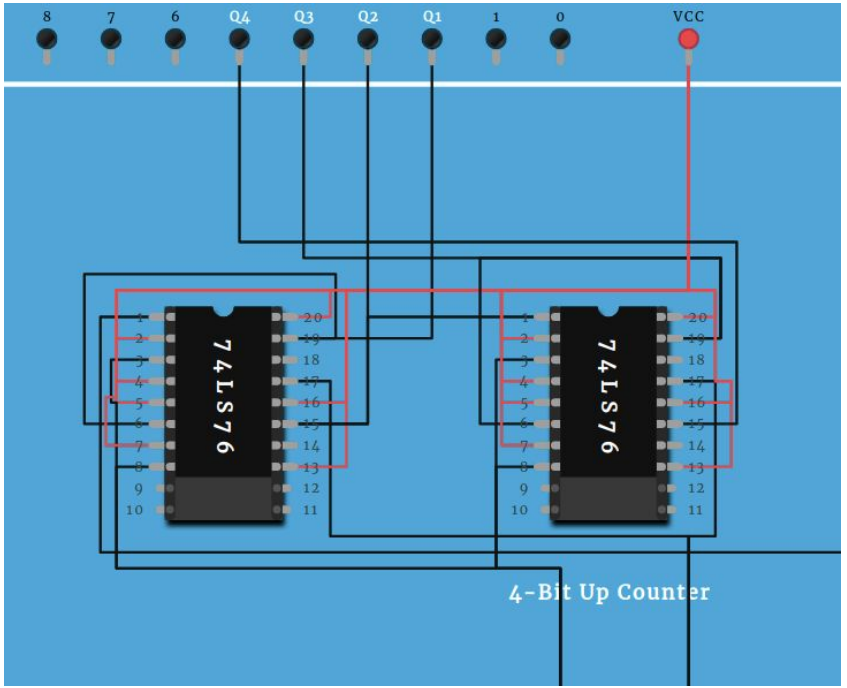
H = High Logic Level
L = Low Logic Level

54LS08/DM54LS08/DM74LS08 Quad 2-Input AND Gates

STUDENTS CAN VISUALIZE CURRENT FLOW INSIDE THE CIRCUITS



Normal Circuit



Current Visualization

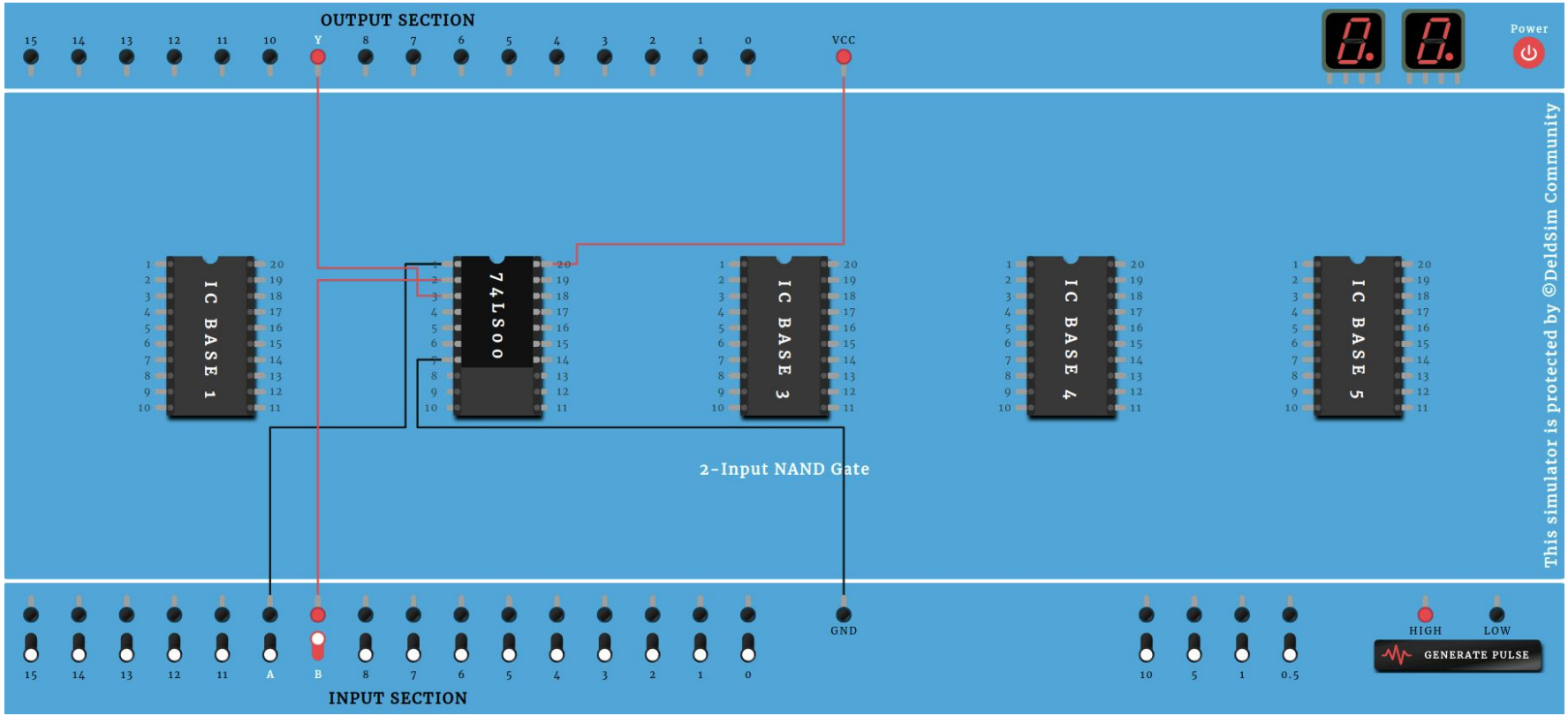
E-Circuit Assignments

we provide E-Teacher functionality to guide students with specific steps for implementation of different assignments.

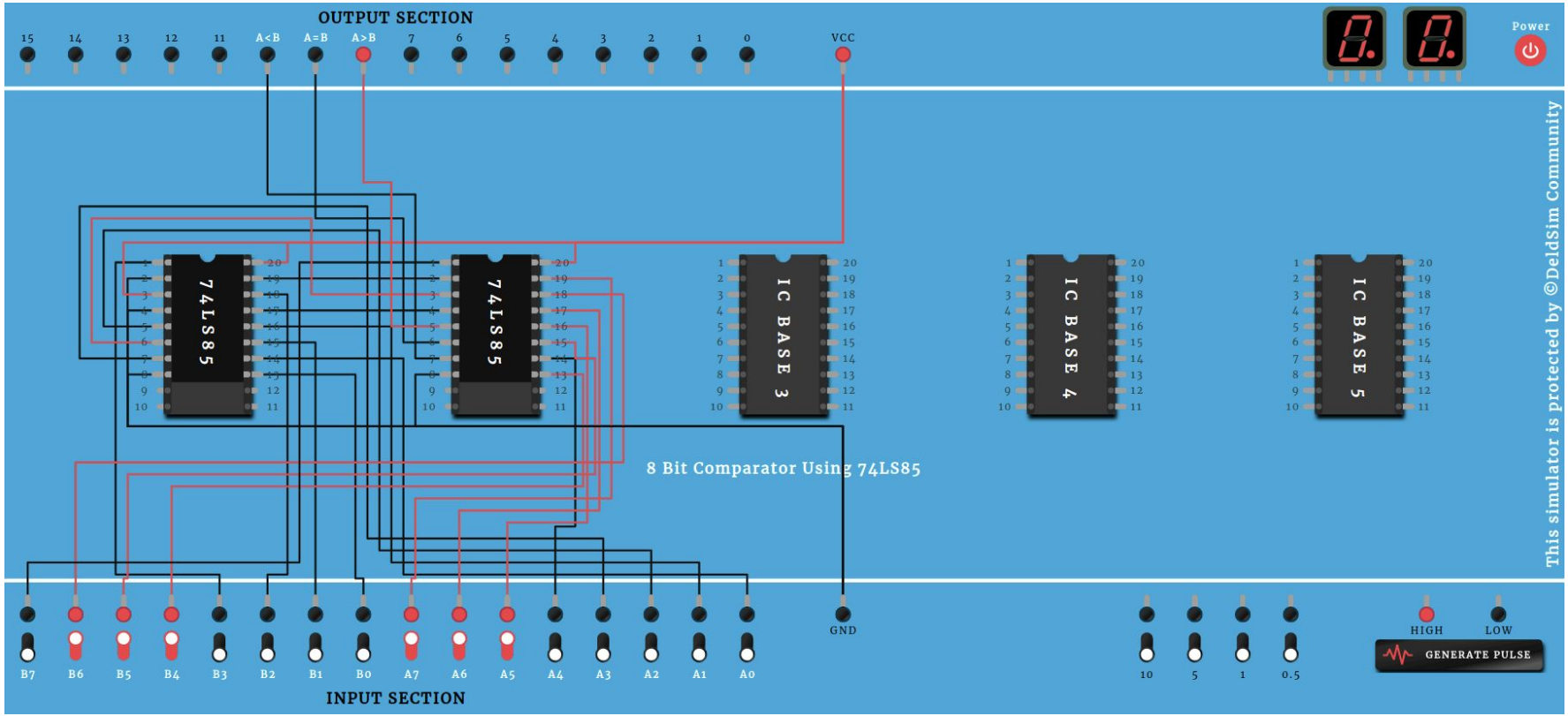
*We have **70+** ready to use assignments to help students with step by step guidance*

Link: ***www.deldsim.com/circuits***

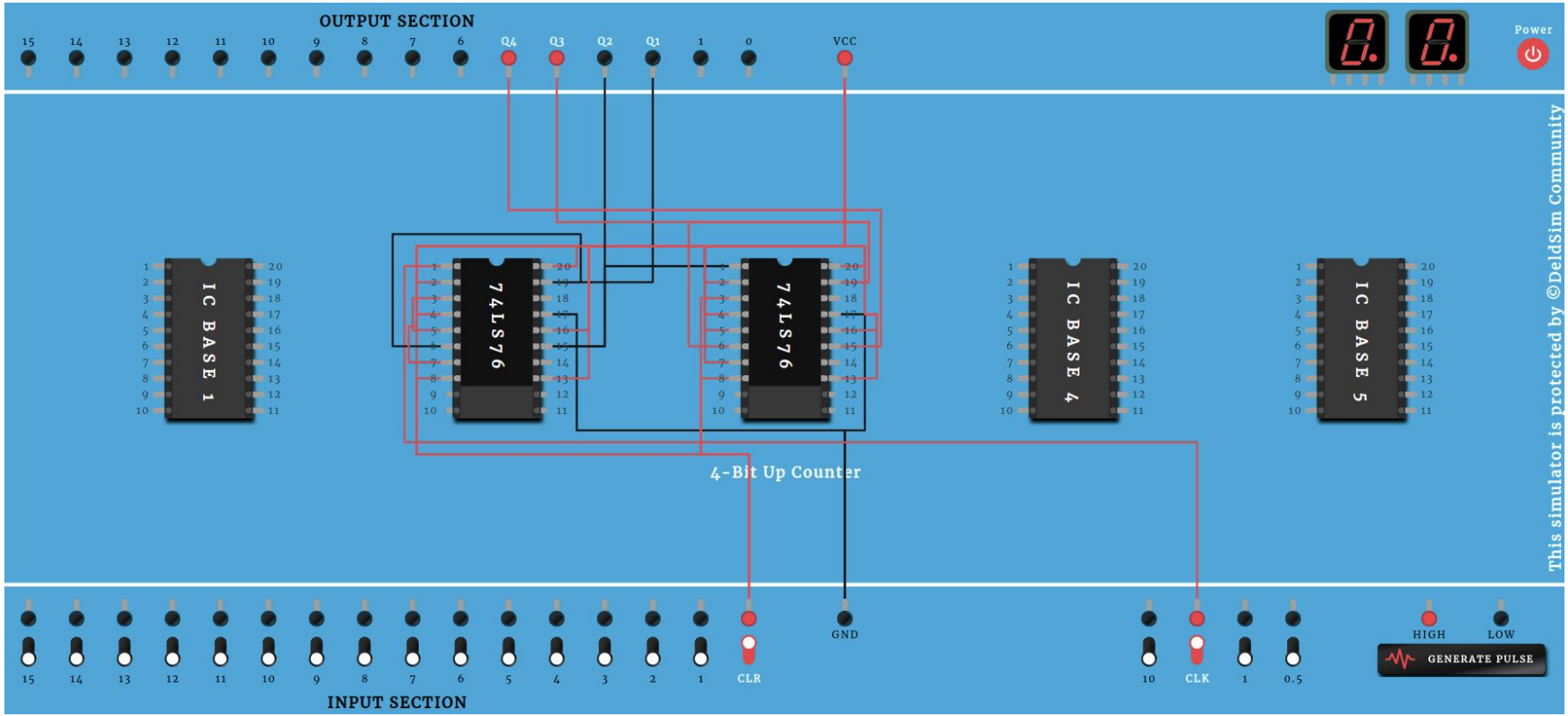
2- INPUT NAND GATE ASSIGNMENT



8- BIT COMPARATOR USING IC 74LS85

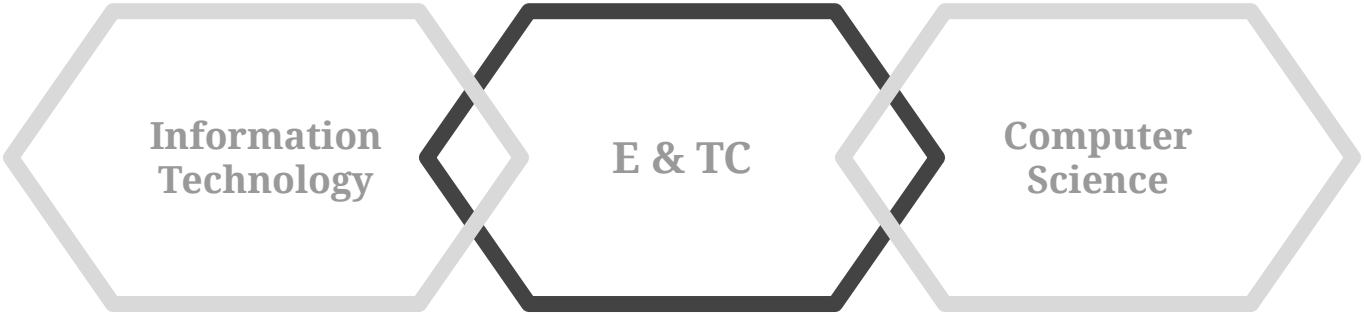


4-BIT UP COUNTER USING IC 74LS76

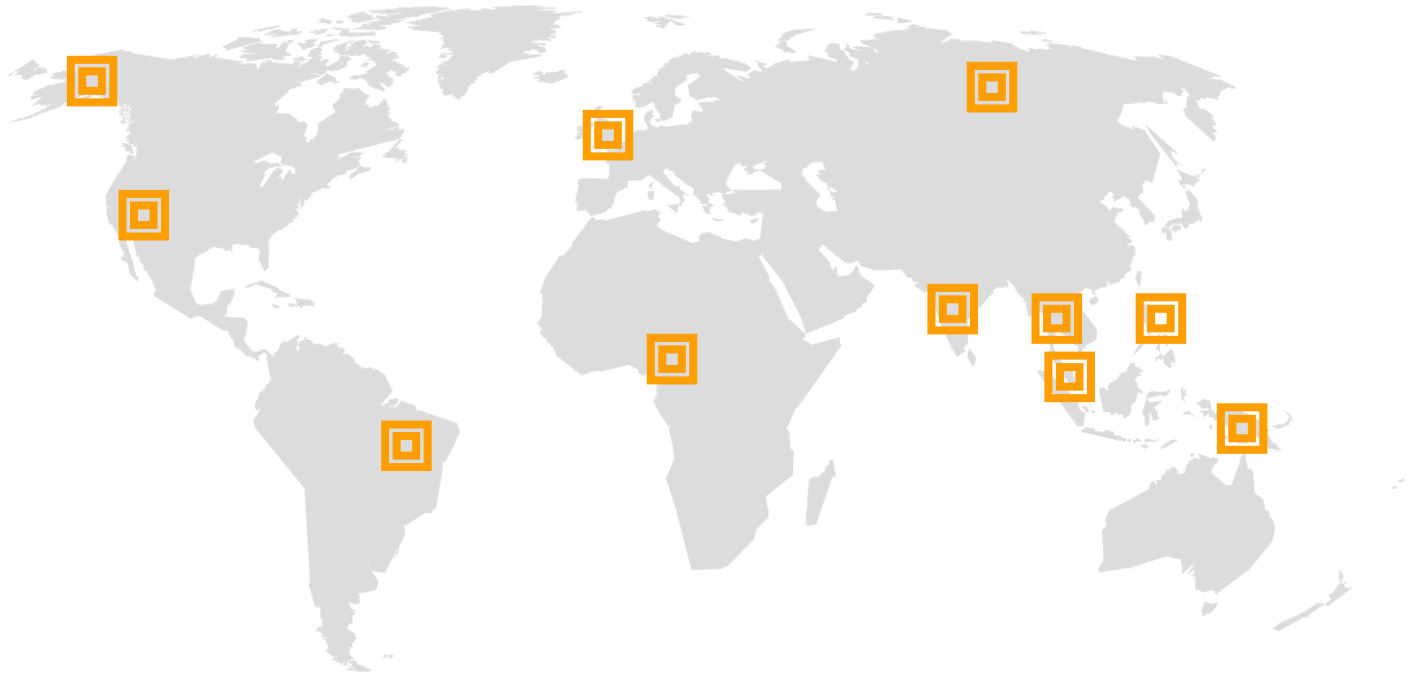


We don't just teach Electronics…

We make Electronics Interesting…



Deldsim.com is helpful for above mentioned engineering streams



Trust from Global Students

3,14,568

That’s a lot of views

29,012 users

And a lot of users

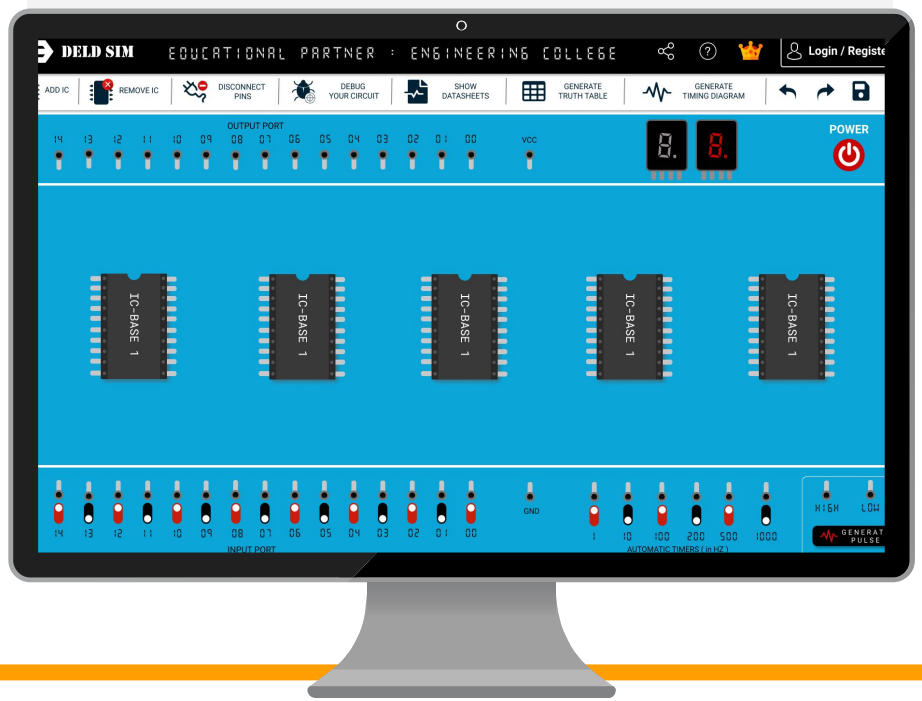
100%

Total success !

"Price is what you pay. Value is what you get."

- Warren Buffett

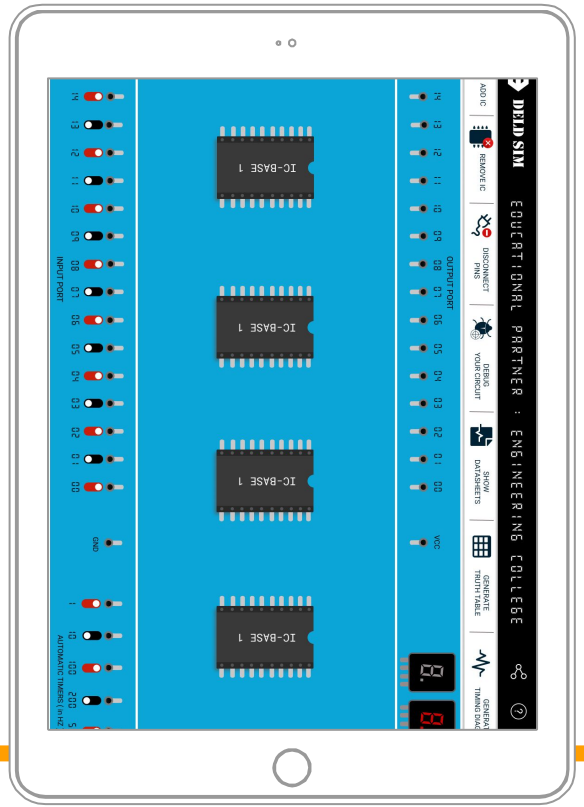
DESKTOP VIEW



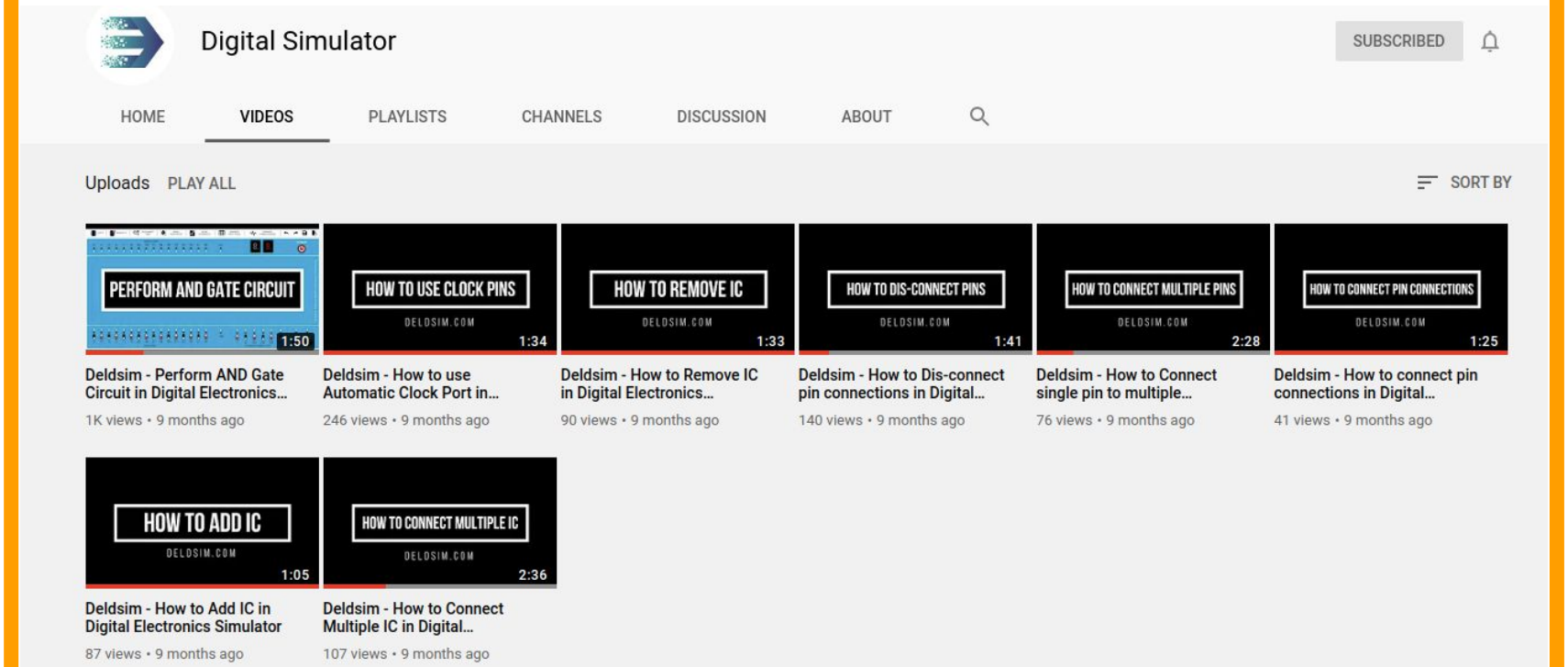
Perform Digital Electronics Assignments without any hardware requirements at anytime, anywhere on your devices.

TABLET VIEW

Perform Digital Electronics Assignments without any hardware requirements at anytime, anywhere on your Tablet



Join us on youtube : Digital Simulator



THANKS!

Any questions?

You can find me at

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+91-7261 946067

www.deldsim.com/feedback