



**Karmveer Keshavlalji Harakchandji Abad Arts,
Shriman Motilalji Giridharilalji Lodha Commerce
& Shriman P. H. Jain Science College**

Neminagar, Chandwad, Dist. Nashik - 423 101, Maharashtra

☎ : (02556) Off. 252125

P. O. Box No. 6

AISHE Code :

Junior College Code No. 13.01.002

E-mail : aloccchandwad@yahoo.co.in

Website : acschandwadcollege.com

C-42199

Senior College Code No. 088

(Affiliated to Savitribai Phule Pune University, Pune) Id. No. PU/NS/AC/015/1970

Dr. G. H. Jain

Principal

NAAC - RE-ACCREDITED - 'B++' With 2.95 CGPA in 3rd Cycle

M.Sc., A.D.C.S.A & A. Ph.D.

Best College Award - 2015-16 of Savitribai Phule Pune University, Pune

Chairman - B.O.S. (Physics) S.P.P.U. Pune

DST-FIST Funded College

4.1.3. Number of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc.

Sr.No	Particulars	Specifications
1.	M-00 (LCS - Video Recording Room)	Smart Board (LCD), Computer, LAN, 4K SONY Video Camera with tripod stand, Umbrella Light, Headphone Unit, Wireless Microphone, Microphone Stand.
2.	M-009 (Commerce Classroom)	Smart Board (LCD), Computer, LAN
3.	S-04 (Zoology Lab plus Classroom)	Smart Board (LCD), Computer, LAN, WiFi
4.	S-05 (T.Y.B.Sc Chemistry Classroom)	Smart Board (LCD), Computer, LAN, WiFi
5.	S-10 (Mathematics Lab)	LCD Projector, Computer
6.	S-13 (M.Sc Mathematics-I)	Smart Board (LCD), Computer, LAN, WiFi
7.	ELE-02 (Electronics Lab Cum Classroom)	Smart Board (LCD), Computer, LAN.
8.	PHY -02 (Physics (M.Sc -I Lab plus Classroom)	Smart Board (LCD), Computer, LAN
9.	GEO-01 (Geography Lab plus Classroom)	LCD Projector, Computer
10.	GEN-01 (General Computer Lab)	Smart Board (LCD), Computer, LAN
11.	CHE-07 (M.Sc Chemistry I Classroom-Pharmacy)	Smart Board (LCD), Computer
12.	BOT-02 (TYB.Sc Lab plus Classroom)	Smart Board (LCD), Computer, LAN
13.	BOT-03 (FY/SY/Ty/M.Sc Lab plus Classroom)	Smart Board (LCD), Computer, LAN
14.	N-005 (Seminar Hall cum Classroom)	Smart Board (LCD), Computer, LAN
15.	N-104 (Classroom)	Smart Board (LCD), Computer
16.	N-304 (Classroom)	Smart Board (LCD), Computer
17.	M-015 (Computer Lab)	Computer, LAN, WiFi
18.	LIB 03/01 (Library)	Computer, LAN, WiFi
19.	LIB 03/02 (Library)	Computer, LAN, WiFi
20.	Seminar Hall (Engineering - Sharing)	Computer, LCD Projector
21.	Seminar Hall (Pharmacy - Sharing)	Computer, LCD Projector



PRINCIPAL

K.K.H.A. Arts, S.M.G.L. Comm.
& S.P.H.J. Science College,
Chandwad Dist Nashik-423101




Video Lecture Recording Room (LCS)



Video Lecture Recording Room (LCS)

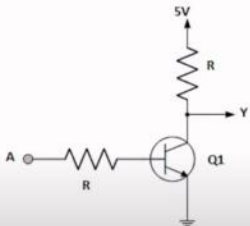


Video Lecture Recording Room (LCS)




Unit 1: Logic Families:
 Revision of logic gates using diodes, transistors and MOSFETS

NOT Gate Using Bipolar Transistor:



When $A = 0 = 0V$,
 Transistor is OFF (cut-off), Hence $Y = 5V = 1$
(Transistor acts as OFF Switch – Open Switch)

When $A = 1 = 5V$,
 Transistor is ON (saturation), Hence $Y = 0V = 0$
(Transistor acts as ON Switch – Closed Switch)



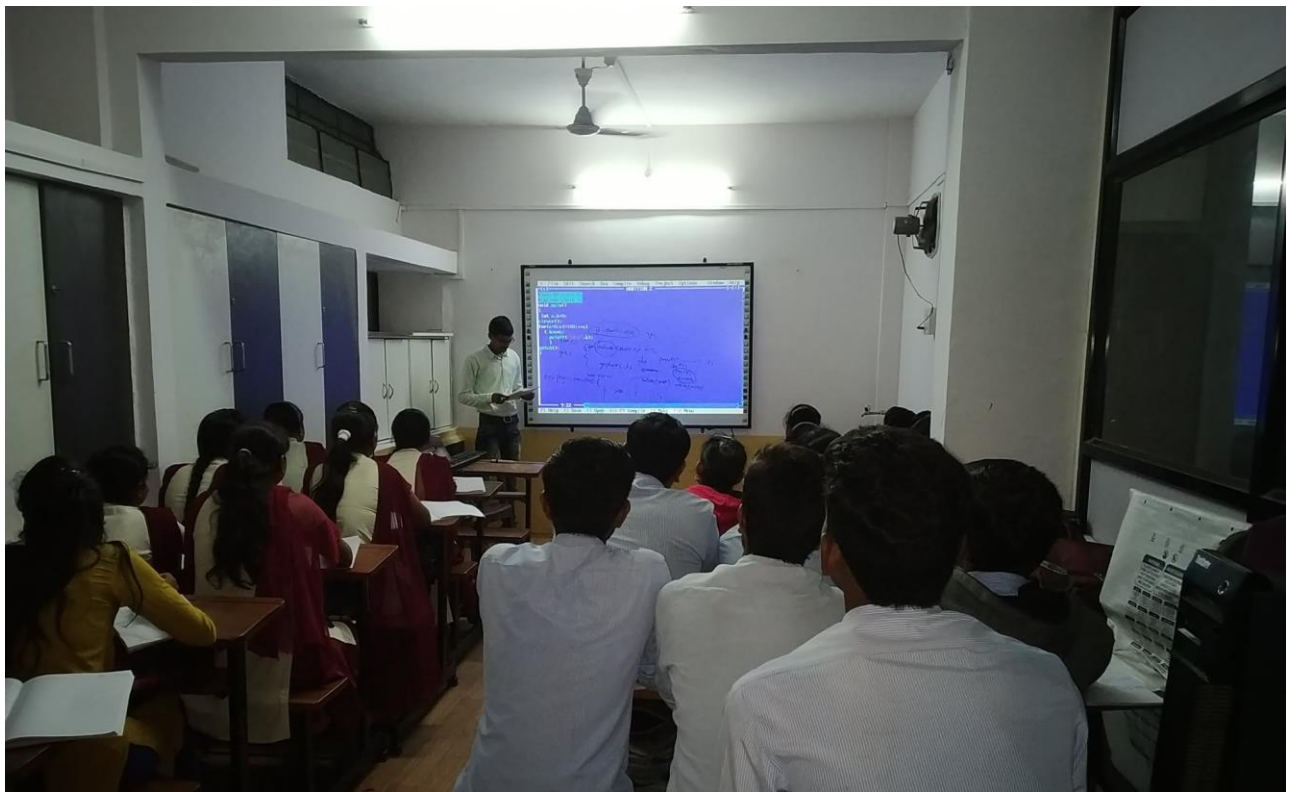
A	Y
0	1
1	0

NOT Gate

Dr. Deepak R Patil, SNB's K.K.H.A. Arts, S.M.G.L. Comm. & S.P.H.J. Science College, CHANDWAD | [ef: https://electronics.stackexchange.com/questions/9](https://electronics.stackexchange.com/questions/9)

Basic Gates - NOT Gate Using BJT and MOSFET

Dr. Deepak R Patil
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ELE-02 - Department of Electronics Science