

# BEC EXP 11

9/11/2020

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## CE INPUT CHARACTERISTICS

Inbox (1,725) x My Drive - Google x BEC lab 11 - Google x Watch Pokemon x BEC LAB 11 (V x BEC LAB 11 (V x Basic Electronics x BJT-CE Input C x

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### BJT- CE INPUT CHARACTERISTICS

#### INSTRUCTION

#### EXPERIMENTAL TABLE

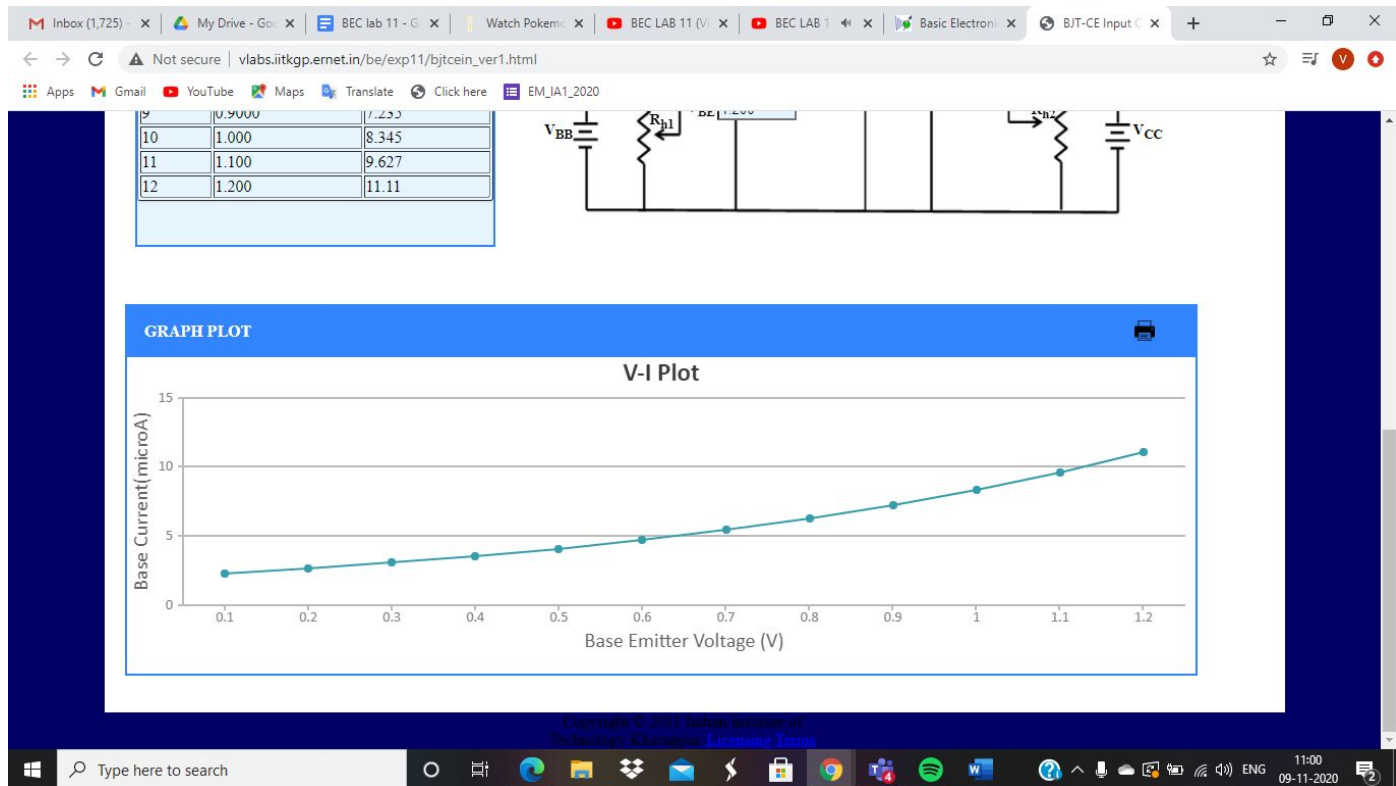
| Serial No. | Collector-Emitter Voltage |                        |
|------------|---------------------------|------------------------|
|            | Base-Emitter Voltage V    | Base Current( $\mu$ A) |
| 1          | 0.1000                    | 2.307                  |
| 2          | 0.2000                    | 2.661                  |
| 3          | 0.3000                    | 3.070                  |
| 4          | 0.4000                    | 3.542                  |
| 5          | 0.5000                    | 4.085                  |
| 6          | 0.6000                    | 4.713                  |
| 7          | 0.7000                    | 5.437                  |
| 8          | 0.8000                    | 6.271                  |
| 9          | 0.9000                    | 7.235                  |
| 10         | 1.000                     | 8.345                  |
| 11         | 1.100                     | 9.627                  |
| 12         | 1.200                     | 11.11                  |

#### CONTROLS

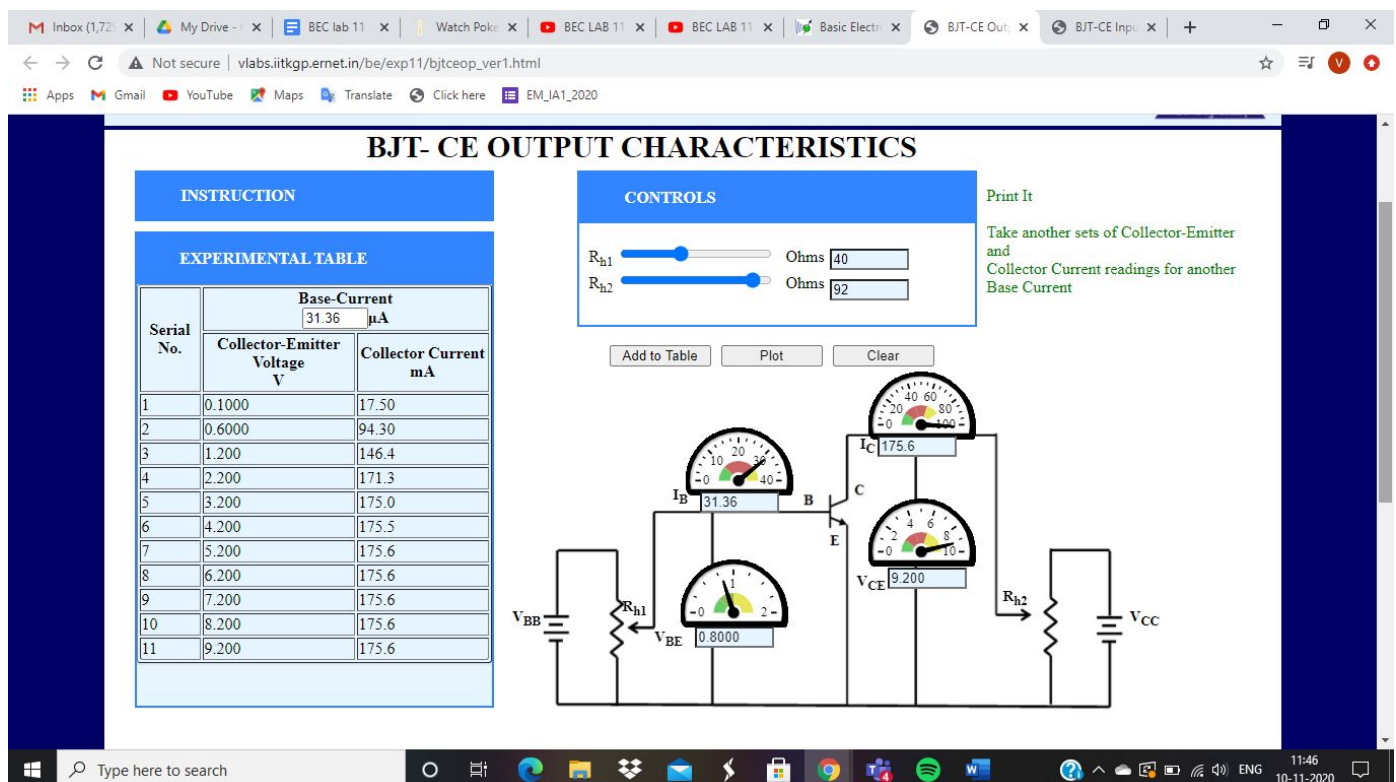
$R_{h1}$  Ohms 60  
 $R_{h2}$  Ohms 50

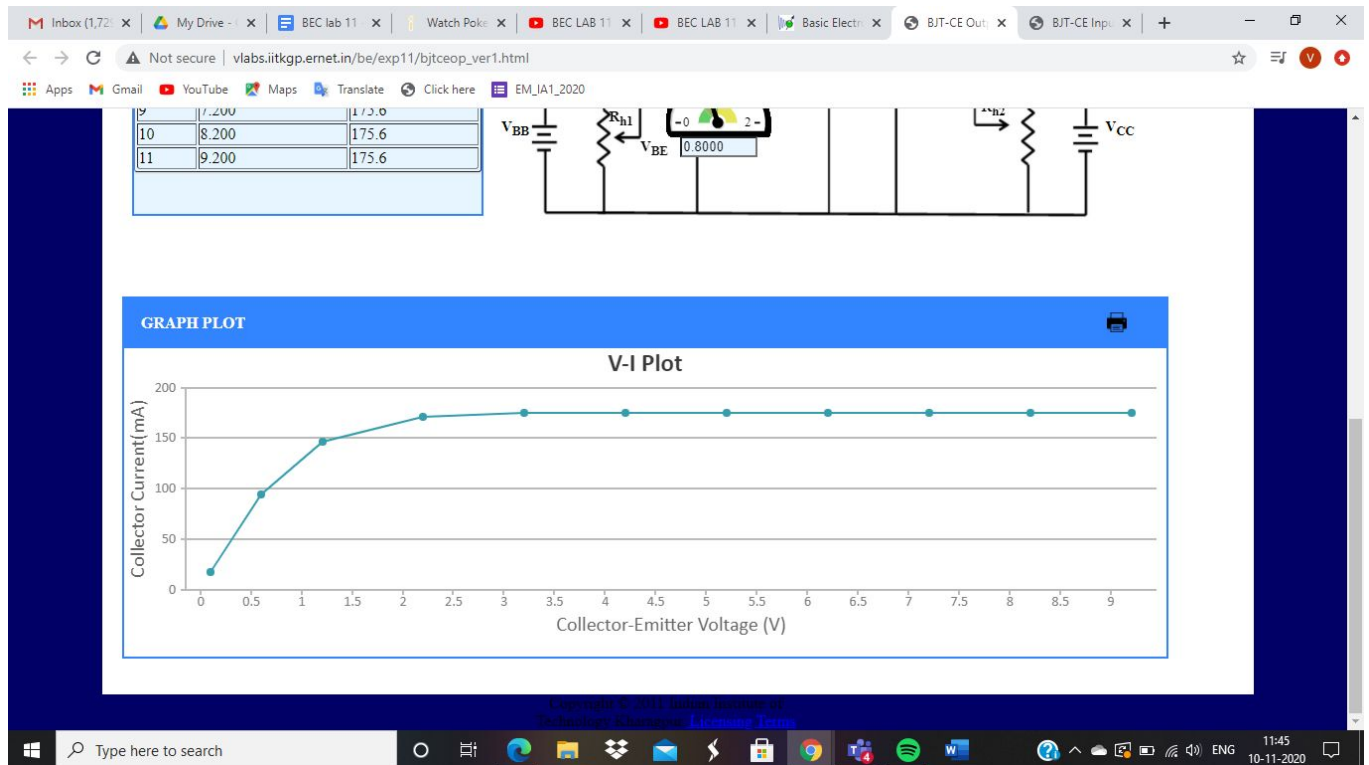
Add to Table Plot Clear

Print It  
Take another sets of Base-Emitter and Base Current readings for another Collector-Emitter value

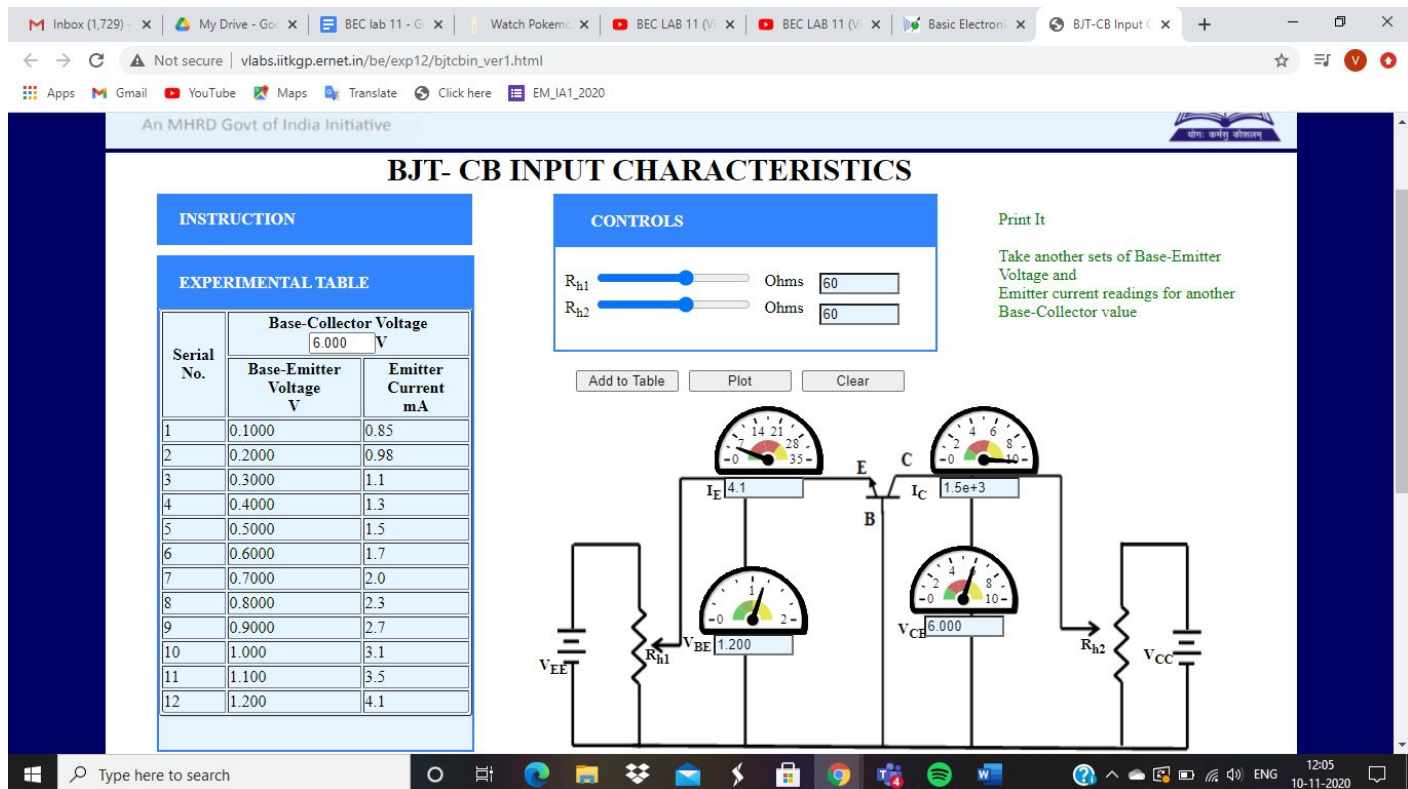


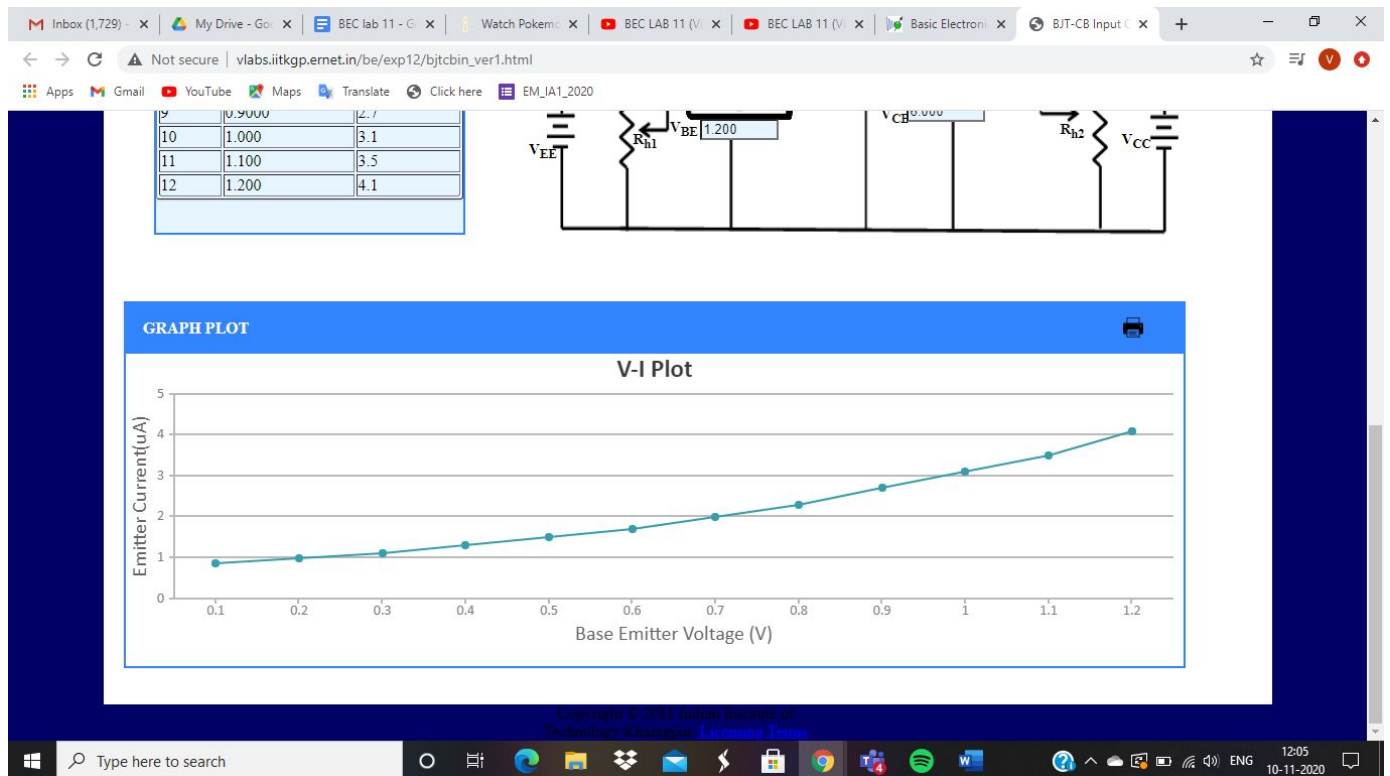
## CE OUTPUT CHARACTERISTICS



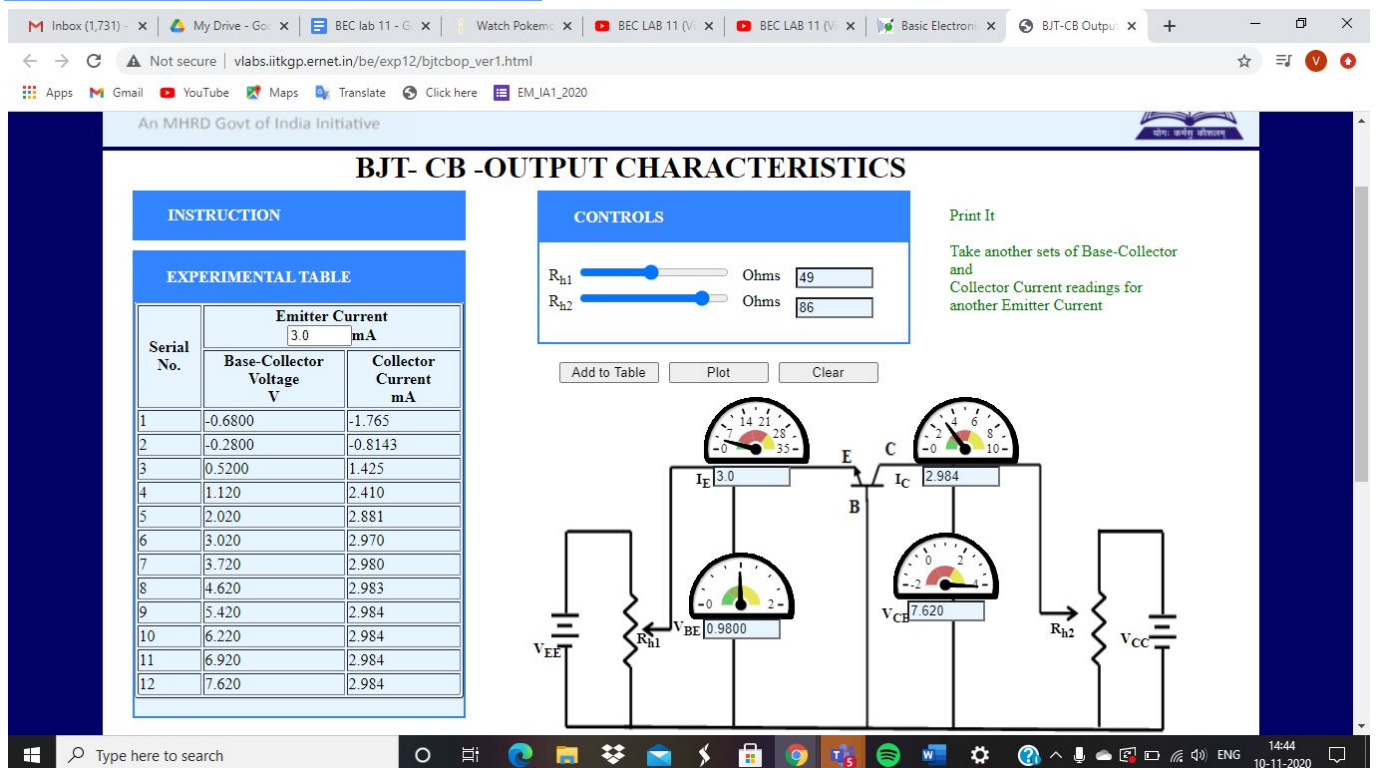


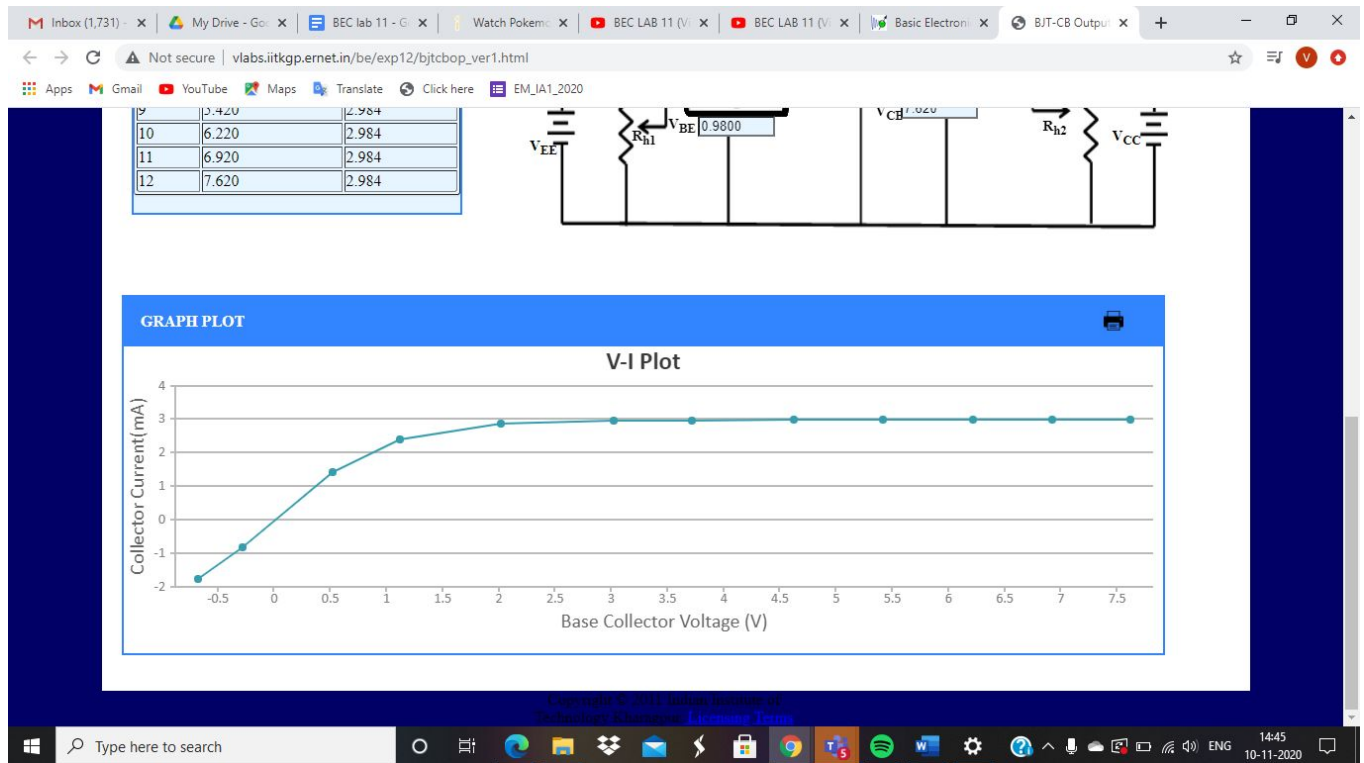
## CB INPUT CHARACTERISTICS





## CB OUTPUT CHARACTERISTICS





## CONCLUSION

Thus we studied about the BJT common base and common emitter amplifiers