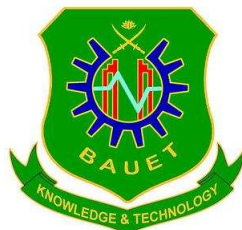# Bangladesh Army University of Engineering & Technology (BAUET)

Qadirabad Cantonment, Natore-6431

Department of Electrical and Electronic Engineering (EEE)

Lab Report

Obtained Mark	**Signature & Date**

Course Code:	
Course Title:	
Experiment No:	
Experiment Title:	

Submitted By	*Submitted To*
Name:	**Name:**
Student ID:	**Designation:**
Batch:	**Dept:**
Year:	
Semester:	

Date of Experiment: _____   *Date of Submission:* _____

Experiment No.: 0n

n.1 Experiment No.: 0n

n.2 Experiment Name: Experimental study on Diode Clipper Circuit *(First letter of each word will capital except the proposition and conjunction)*

n.3 Objectives

(you have to write what you want to do. Each lab class contains three parts, 1. Theoretical knowledge 2. Circuit implementation 3. Output analysis. So you can use these three parts to complete this section. Obviously it will be written in phrase).Example

- To study the diode application in clipper circuit.
- To understand the working of positive and negative clipper circuit.
- To design positive and negative circuit.
- To analysis the output waveshapes.

n.4 Theory

n.4.1 <caption of sub-section 1>
(write from here)

n.4.2<caption of sub-section 2>
(write from here)

"Check the title, identify the keywords, and write a brief description of these keywords to serve as an introduction. Whenever you write from a source, ensure proper citation and use paraphrasing.To paraphrase your text you can use AI tools i.e. chatGPT, Quilbot etc. Never try to copy from these tools directly."

n.5 Required Apparatus

(* you have to add a table and must write the table caption above each table as **Table n.1. <caption> *).**
Example

Table n.1. Table for apparatus

Serial No.	Name	Specification(s)	Quantity
01	Diode	Si-type (0.7V)	06
02	Resister	10 kilo-ohm	01
03	Oscillator	10MHz	01
04	Voltage Source	AC	01

n.6 Circuit Diagram
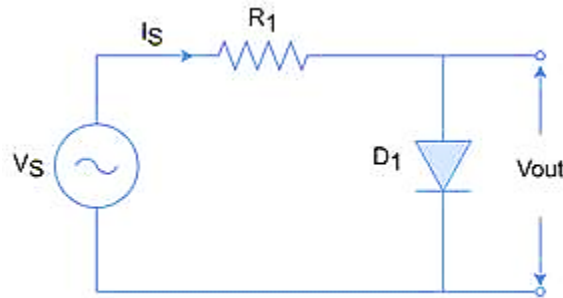
Fig. 4.1. Positive diode clipping circuit

No full stop

n. 7 Data Table

Table n. 2. Experimental data

n.8 Calculations

n.9 Results

For this experiment, we have conducted both analytical and graphical analyses. The results are verified by simulation using <software name>. The related results are given below:

n.9.1 Numerical Results

n.9.2 Graphical Results
(* write the graphical results (if any) here*)

n.9.3 Simulation Results

(* write the simulation results (if any) here*)

n.10 Discussion and Conclusions

Answer the following questions that will help you to conclude the hole experiments.

1. What did you do in your experiments?
2. What types of methods did you apply?
3. What results did you obtain?
4. What types of problems did you face, and how did you solve them?
5. What precautions should be taken, and what are the future aspects?

n.11 References

(*You have to add references here. There are three sources to cite: 1. Website, 2. Books, 3. Journal or conference paper. To write references, there are some rules (IEEE format preferred). Such as...

Website:
[1] (accessed March 1, 2013) CSG01/Pt series specification. [Online]. Available: http://www.ntmdt-tips.com/products/view/csg01-pt

Books:
[2] C. J. Chen, *Introduction to Scanning Tunneling Microscopy,* 2nd ed. New York: Oxford University Press, April 2008.

Journal:
[3] M. R. A. Ruku, M. Ibrahim, A. Badrudduza, I. S. Ansari, W. Khalid, and H. Yu, "Effects of Co-channel Interference on RIS Empowered Wireless Networks amid Multiple Eavesdropping Attempts," *ICT Express*, 2023.

Conferences:
[4] M. R. A. Ruku, M. Z. I. Sarkar, A. Alam, K. K. Islam, and R. Sultana, "Security in Generalized Gamma Fading Channels with Dual-Branch Se-lection Diversity Receiver," in 2023 14th International Conference on Computing Communication and Networking Technologies (ICCCNT), 2023, pp. 1–5.