INTEGRAL UNIVERSITY

LUCKNOW

Department of Computer Application

LAB REPORT

Digital Electronics Lab (CA-109)

2022-2023

SUBMITTED BY:

Sufee Bano

BCA (1st Year/ 2nd Sem)

GROUP: 08

Enroll No.: 2200100828

SUBMITTED TO:

Mr. Nupur Mittal

(Assitant Professor)

Mr. Sahab Lal

(Lab Instructor)

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S. No.	Objectives	Page No.	Teacher's Sign	Remark
1	Study and bread realization of logic gates, K-Map, Flip-Flop equation, realization of characteristic and excitation table of various Flip Flops			
2	Implementation of Half Adder, Full Adder and Subtractor			
3	Implementation of Ripple Counters and Registers			
4	Implementation of Encoder and Decoder			
5	Implementation of Multiplexer and De Multiplexer			
6	Study of 8085 and 8086			
7	Assembly language programming for 8086 (1) Addition, Subtraction (2) Find Greatest Numbers			

Acknowledgement

I would like to express my special thanks to gratitude to my teacher **Mr. Nupur Mittal** (Assistant Professor) and **Mr. Sahab Lal** **(**Lab Instructor) who gave me the golden opportunity to do this wonderful lab report, which also helped me in doing a lot of research and came to know about so many new things, I AM REALLY THANKFUL TO THEM.

Certificate

This is to certify that Sufee Bano, student of BCA First Year, has successfully completed the research on the lab report under the guidance of **Mr. Nupur Mittal** (Assistant Professor) and **Mr. Sahab Lal** (Lab Instructor), during the year 2022-2023.

Mr. Nupur Mittal **Mr. Sahab Lal**

(Assistant Professor) (Lab Instructor)