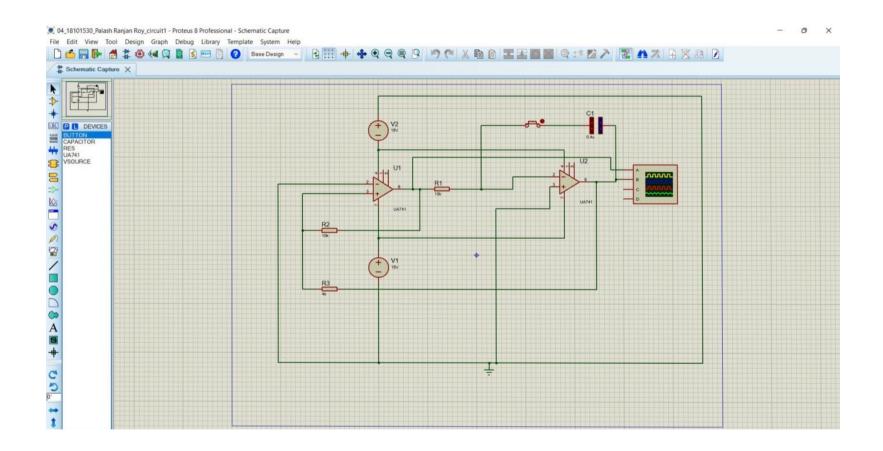
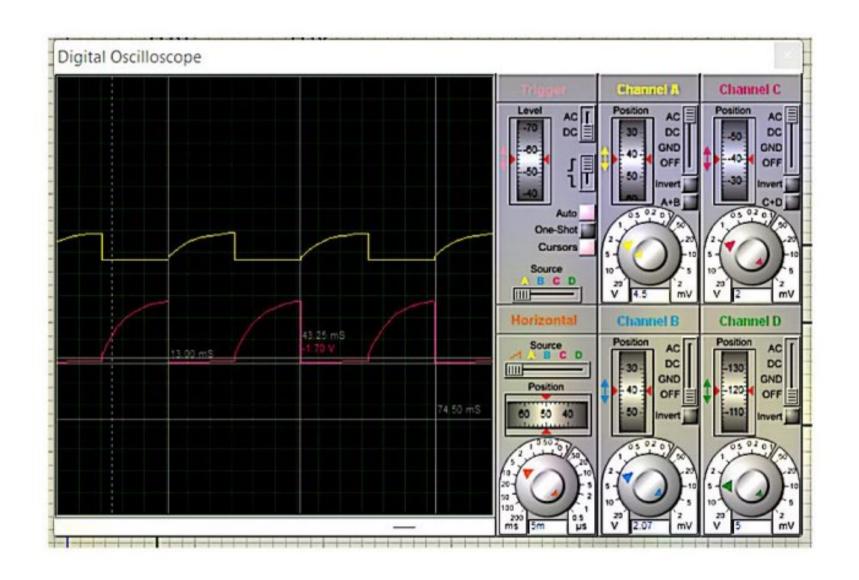
Palash Ranjan Roy

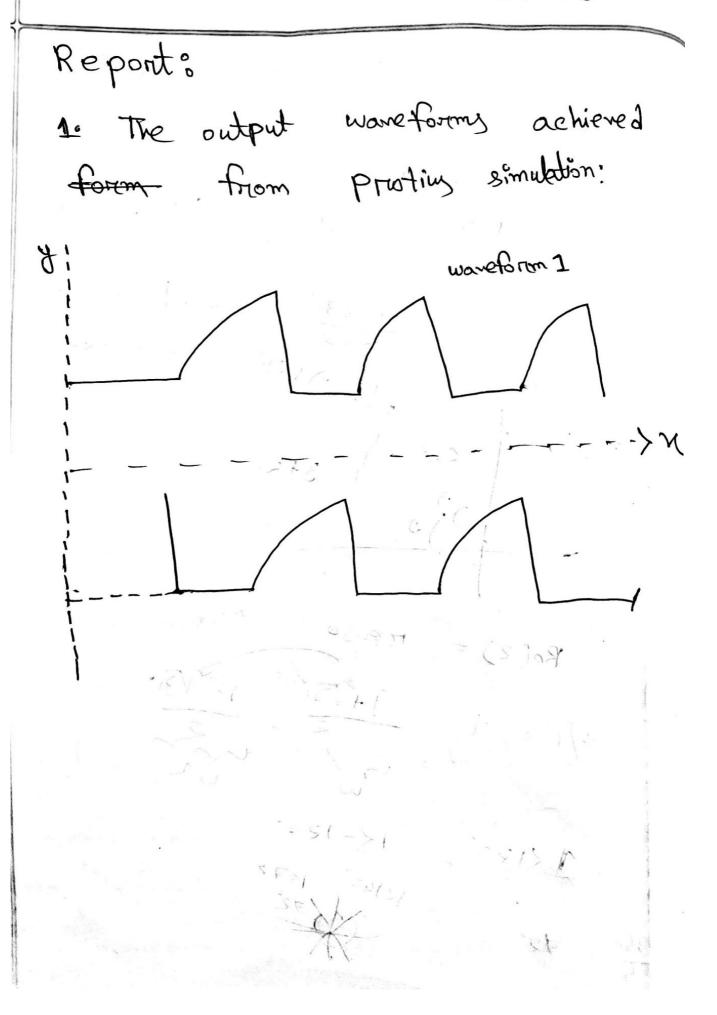
ID-18101530

See-04

Lab 600







2. There is sigt deviation in the experiment output wave share from the desired wave. In real life there is some system loss and the capacitory take some time to charge and discharge. There is also interenal hidden resistance. That is why time period increased by T=Re 8. RI=RY= 1 K2, R2=R3= 4.7 K2 C1 = Ca = 4.7 MF Theoretical Calcution t1= 0.69 x (R, R3 = 0.69x [4.7 X156) x (4.7 X10) = 0.015 P4 81S (2 +2 = 0.69 x C2R2 601X 4.4 X 69.00 1= 10.69 X 4.7 X 10.0 X 4.34 X 103 Total period, T= ti+th 30.4842mg

From simulation $T = T_2 - T_1 = (.43.25 - 43.00)$ The enperimental value and the theoritical value is quite similar. The which is negligible 4. It is possible to use the multivibrate to create variable frequency denercatore. R3 froitiskus & Rm 1951091 X H. P) X (0 = 1X F. P) x Ed. 0 \$23 × 69.0:= 14 TR3 them is them and the ciss dependent on each So, when TR2 is off TR3 will off as well on the atury TR2 is on TR3 will

-62/01-1

5. In astable multivibrator a variable resistar can be used to regulate the duty eyele of the conti of duty oycle = (RI+R2) /RIXLR) A variable resistor is used to adjust the duty cycle of the Prim Produced by the PWM generator. So here of we change R1 and RP's values the goal can be achieved.