

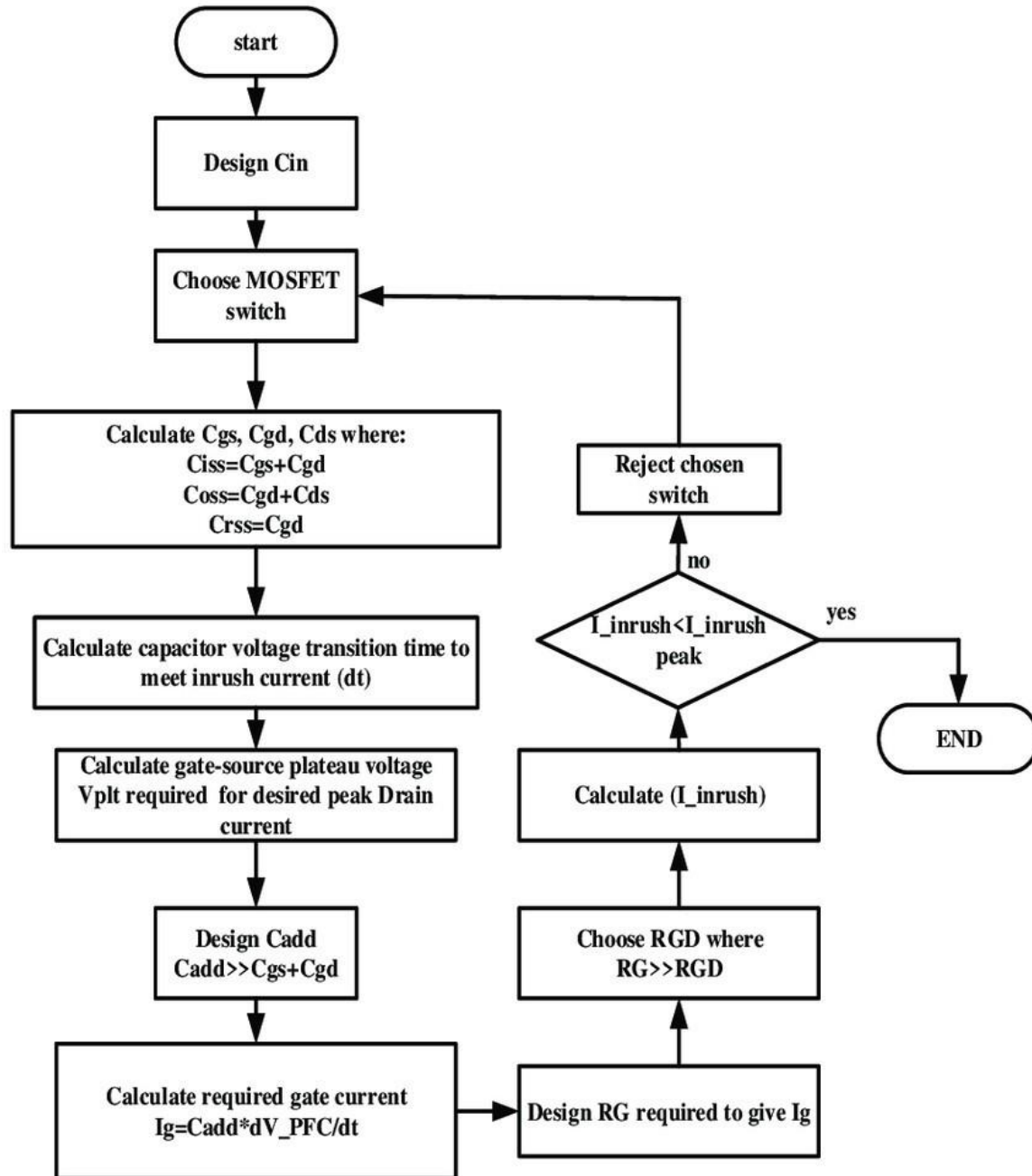
Ex.No: 1d	COMPUTE ELECTRIC CURRENT IN THREE PHASE AC CIRCUIT
Date :	

AIM:

To develop a flowchart to compute electric current in three phase AC circuit.

ALGORITHM:

1. Start the program.
2. Design C_{in} and choose MOSFET switch.
3. Calculate terminal values C_{gs} (gate-to-source), C_{gd} (gate-to-drain) and C_{ds} (drain-to-source).
4. Calculate the capacitor voltage transition time to meet inrush current (dt).
5. Calculate gate-source plateau voltage (V_{plt}).
6. Design C_{add} and it should be greater than the values of C_{gs} and C_{gd} .
7. Calculate the I_{inrush} value.
8. The I_{inrush} value should be less than I_{inrush} peak value, otherwise the chosen switch is rejected.
9. Stop the program.



RESULT:

Thus the flowchart to compute electric current in three phase AC Circuit is developed.