**Algorithm**

1. Start
2. Switch on the motor
3. Water will move from reservoir through delivery pipe to inlet tank
4. Allow the movement of dye from dye tank
5. Open the outlet tank
6. The water will start moving
7. If Reynolds number between 0 and 2000 then straight line of dye will appear in middle of the water flowing in pipe.
8. If Reynolds number between 2000 and 4000 then distorted line of dye will appear in middle of the water flowing in pipe.
9. If Reynolds number is greater than 4000 then no distinguished line of dye will appear in middle of the water flowing in pipe.
10. Water will move to collecting tank
11. Close the gate valve
12. Fluid starts filling in collecting tank
13. After fluid reaches the opening of measuring tube ask to record initial height and start stop watch.
14. After 50 sec in stop watch stop it. (At this time whole experiment is halted as it is completed).
15. Ask to record final height.
16. Show the observation table where all the data is recorded in the appropriate columns.
17. Stop