

3. Change the manual regulation ratio in software to 1.9V and start recording the time using the timer. V.3 71 ENGINEERING TECHNOLOGY DEPARTMENT V.3 72

- Go to your computer, open Gunt software, and switch to the "RT 634 Pressure Control Demonstration Unit" mode by clicking the arrows in the dialogue box as shown in Figure 6.4 (a).
- Click on "Charts" button as shown in Figure 6.4 (b).
- Set the "Software Controller" to "Manual" as shown in Figure 6.4 (c).
- In the "Manual Regulation Ratio" box, the maximum and minimum values that can be fed are 0V to 10V which corresponds to the 0% to 100% opening of electrical proportional valve (9) as shown in Figure 6.4 (d). For this purpose, a step in control value is applied to the system in the non-regulated mode and the system's response observed. Fully close the extraction valve (8) by turning it clockwise and then open it less than 1/4th by turning the knob 25 degrees in counter clockwise direction.

Figure 6.4 Gunt Software Interface with steps 7. Ask instructor to check. Procedure 3.1.1.2.3.4.5.6.8.9.