GROUP-4 SUBGROUP 1

HARSHIL PRAJAPATI M-3

LEETANSHA M-2

AMANJOT KAUR M-1

GROUP PART

1. Start

2. Signal light turn to Green with advance left green arrow

3. Time Duration to pass = 20 seconds

4. Interrupt...?

a) Yes = flash all amber or red light,

system turn off or reset from step-1

b) No = proceed to step-5

5. If Timer > 0

a) Yes = Wait 1 second and Timer -1, go again to step 4

b) No = proceed to step-6

6. Signal light stays Green with advance left amber arrow

7. Time Duration to pass = 5 seconds

8. Interrupt...?

a) Yes = flash all amber or red light,

system turn off or reset from step-1

b) No = proceed to step-9

9. If Timer > 0

a) Yes = Wait 1 second and Timer -1, go again to step 8

b) No = proceed to step-10

10. Signal light stays Green with advance left arrow (off)

11. Time Duration to pass = 50 seconds

12. Interrupt...?

a) Yes = flash all amber or red light,

system turn off or reset from step-1

b) No = proceed to step-13

13. If Timer > 0

a) Yes = Wait 1 second and Timer -1, go again to step 12

b) No = proceed to step-14

14. Signal light turn to Amber

15. Time Duration to pass = 10 seconds

16. Interrupt...?

a) Yes = flash all amber or red light,

system turn off or reset from step-1

b) No = proceed to step-11

17. If Timer > 0

a) Yes = Wait 1 second and Timer -1, go again to step 16

b) No = proceed to step-18

18. Signal light turn to Red

19. Time Duration to pass = 85 seconds

20. Interrupt...?

a) Yes = flash all amber or red light,

system turn off or reset from step-1

b) No = proceed to step-21

21. Request to walk ?

1. Yes = If time left on red light is more than 25 sec,

reduce the timer to 25 seconds

1. No = proceed to step-22

22. when 6 or more car is waiting ?

1. Yes = If time left on red light is more than 25 sec,

reduce the timer to 25 seconds

1. No = proceed to step-23

23. If Timer > 0

a) Yes = Wait 1 second and Timer -1, go again to step 22

b) No = proceed to step-24

24. Process continue in loop from step-1