```
                10 days                                    2 days
    ┌──────────────────────┐                    ┌──────────────────────┐
┌──────────────────┐  ┌──────────────────┐  ┌──────────────────────┐
│ Straight line    │  │ Circular driving │  │ Manual Control       │
│ driving          │  │                  │  │ (arrow keys)         │
└──────────────────┘  └──────────────────┘  └──────────────────────┘
```

10 days

Straight line driving → Circular driving

2 days

→ Manual Control (arrow keys)

5 days

Path execution ← Path planning ← Build a driving enviroment (Maze)

5 days → (Manual Control to Build a driving enviroment)

1 day

5 days

Path execution → Object detection

10 days

Object detection → Update map

2 days

Update map → Autonomous driving

15 days

(Update map / Autonomous driving) → Delivery

1) The robot should be able to drive on a straight line
2) Drive in a circular path with a predefined radius
3) Accepting series of command from Rasberry pi and then follow them(Going forward, Turning etc)
4) Build a driving enviroment (Maze)
5) Robot should be able to plan the path assuming the enrivorment is known
6) Robot should follow the path generated by 5)
7) Detect objects in the path using the camera
8) Update the map with objects positions
9) With given goal the robot should drive there autonomously within an unknown enviroment (Avoid obsticles, update the map)

The enrivorment is known { 5) 6) 7) 8) }