**TASK: PYTHON: OOPS**

**(Completion Time: 1 Day)**

**\*\* Should cover classes and Oops, collections concepts**

1. Define vehicle
2. Milage
3. Name
4. Capacity
5. Width
6. Depth
7. Number
8. Manufacturer
9. Define Vehicles like Bus , Car, Bike
10. Define a Lot with
11. Width
12. Depth
13. Number
14. Series (A/B/C/D)
15. Status (Free/Occupied)
16. InTime
17. Parking Lot Functionality
18. Define Series of parking Lots with where each series consists (60% Cars, 30% Bikes, 10% Busses)
19. One Can assign a lot depending upon the vehicle size and allocation Time
20. Define functionality of random Vehicle exit and lot deallocation
21. Define functionality of lot allocation based on availability of lots
22. Define a charge calculation based on time parked first hour 20, next 1 -10 hour onwards a charge of 10 rs, above 10 hr onwards a charge 5 rs per hour.
23. If time exceeds more than 30 minutes of an hour, a full charge will be collected of that hour.