Autonomous car data track schedule

Class	Topics to be covered
Class 1	Design thinking
Class 2	Autonomous car introduction
Class 3	Anaconda tool Installation
Class 4	How do Autonomous cars work?
Class 5	Computer vision
Class 6	Computer vision
Class 7	Deep learning - NN
Class 8	Deep learning - CNN
Class 9	CNN Architecture
Class 10	Object detection
Class 11	Object detection
Class 12	Deep learning concepts in Autonomous car
Class 13	Autonomous car Assembling part
Class 14	Machine learning in Autonomous Car
Class 15	Lane detection
Class 16	Project 1 - Lane Finding
Class 17	Project 2 - Advanced Lane Finding
Class 18	Building a Road Sign Classifier in Keras
Class 19	Building a Road Sign Classifier in Keras
Class 20	Project 3 - Traffic Sign Classifier
Class 21	Vehicle Detection
Class 22	Project 4 - Vehicle Detection
Class 23	Behavioral Cloning
Class 24	Project 5 - Behavioral Cloning
Class 25	Hough Transform
Class 26	Hough Transform

Autonomous car Product track schedule

Class 27	State Estimation - Linear and Nonlinear Kalman Filters
Class 28	State Estimation - Linear and Nonlinear Kalman Filters
Class 29	State Estimation - Linear and Nonlinear Kalman Filters
Class 30	State Estimation - Linear and Nonlinear Kalman Filters
Class 31	State Estimation - Linear and Nonlinear Kalman Filters
Class 32	State Estimation - Linear and Nonlinear Kalman Filters
Class 33	GNSS/INS Sensing for Pose Estimation
Class 34	GNSS/INS Sensing for Pose Estimation
Class 35	LIDAR Sensing
Class 36	LIDAR Sensing
Class 37	LIDAR Sensing
Class 38	An Autonomous Vehicle State Estimator
Class 39	An Autonomous Vehicle State Estimator
Class 40	Sensors
Class 41	Sensors
Class 42	Least Squares
Class 43	Least Squares
Class 44	Least Squares
Class 45	Project 6- Extended kalman filter
Class 46	Motion planning - Map :Mapping for planning
Class 47	Motion planning - Map- Populating occupancy grids from LIDAR scan data
Class 48	Motion planning - Mission:Dijkstra's Shortest Path Search
Class 49	Motion planning - Mission: Dijkstra's Shortest Path Search
Class 50	Motion planning - Mission: A* Shortest Path Search
Class 51	Motion planning - Dynamic object: Motion Prediction
Class 52	Motion planning - Dynamic object: Map-Aware motion prediction
Class 51	Motion planning - Dynamic object: Time to Collision
Class 52	Sensor fusion - Loss of One or More Sensors
Class 53	Project 7- Kidnapped vehicle

Class 54	Control - Introduction
Class 55	Control -Autonomous vehicle introduction
Class 56	Control -Compute graph
Class 57	Control -Exercise
Class 58	Control - Message passing
Class 59	Control - ROS Service
Class 60	Control - ROS Service
Class 61	Control - Turlesim
Class 62	Control - Turlesim
Class 63	Control - Node and topics
Class 64	Control - AI for robotics
Class 65	Control - Components inputs wrap up
Class 66	Control - Perception subsystem
Class 67	Control - Planning subsystem
Class 68	Control - Control subsystem
Class 69	Project 9 - PID control
Class 70	Project 10 - Autonomous vehicle