

WEEK	MONDAY	TUE SDA Y	WEDNESDAY	THU RSD AY	FRIDAY	WEEK END	SATURDAY
WEEK - 1	<b>Class 1</b> Design thinking		<b>Class 2</b> Autonomous car introduction		<b>Class 3</b> Anaconda tool Installation		<b>Class 1</b> Design thinking Autonomous car introduction Anaconda tool Installation
WEEK - 2	<b>Class 4</b> How do Autonomous cars work?		<b>Class 5</b> Computer vision		<b>Class 6</b> Computer vision		<b>Class 2</b> How do Autonomous cars work? Computer vision
WEEK - 3	<b>Class 7</b> Deep learning - NN		<b>Class 8</b> Deep learning - CNN		<b>Class 9</b> CNN Architecture		<b>Class 3</b> Deep learning - NN Deep learning - CNN CNN Architecture
WEEK - 4	<b>Class 10</b> Object detection		<b>Class 11</b> Object detection		<b>Class 12</b> Deep learning concepts in Autonomous car		<b>Class 4</b> Object detection Deep learning concepts in Autonomous car
WEEK - 5	<b>Class 13</b> Autonomous car Assembling part		<b>Class 14</b> Machine learning in Autonomous Car		<b>Class 15</b> Lane detection Project 1 - Lane Finding		<b>Class 5</b> Autonomous car Assembling part Machine learning in Autonomous Car Lane detection Project 1 - Lane Finding
WEEK - 6	<b>Class 16</b> Project 2 - Advanced Lane Finding		<b>Class 17</b> Building a Road Sign Classifier in Keras		<b>Class 18</b> Building a Road Sign Classifier in Keras		<b>Class 6</b> Project 2 - Advanced Lane Finding Building a Road Sign Classifier in Keras
WEEK - 7	<b>Class 19</b> Traffic Sign Classifier		<b>Class 20</b> Project 3 - Traffic Sign Classifier		<b>Class 21</b> Project 3 - Traffic Sign Classifier		<b>Class 7</b> Building a Road Sign Classifier in Keras Project 3 - Traffic Sign Classifier Assignment project

							review
<b>WEEK - 8</b>	<b>Class 22</b> Vehicle Detection		<b>Class 23</b> Project 4 - Vehicle Detection		<b>Class 24</b> Project 4 - Vehicle Detection		<b>Class 8</b> Vehicle Detection Project 4 - Vehicle Detection
<b>WEEK - 9</b>	<b>Class 24</b> Behavioral Cloning		<b>Class 25</b> Project 5 - Behavioral Cloning		<b>Class 26</b> Project 5 - Behavioral Cloning		<b>Class 9</b> Behavioral Cloning Project 5 - Behavioral Cloning
<b>WEEK - 10</b>	<b>Class 27</b> Hough Transform		<b>Class 28</b> Hough Transform		<b>Class 29</b> Projects review		<b>Class 10</b> Hough Transform Projects review
<b>WEEK - 11</b>	<b>Class 30</b> State Estimation - Linear and Nonlinear Kalman Filters		<b>Class 31</b> State Estimation - Linear and Nonlinear Kalman Filters		<b>Class 32</b> State Estimation - Linear and Nonlinear Kalman Filters		<b>Class 11</b> State Estimation - Linear and Nonlinear Kalman Filters
<b>WEEK - 12</b>	<b>Class 33</b> State Estimation - Linear and Nonlinear Kalman Filters		<b>Class 34</b> State Estimation - Linear and Nonlinear Kalman Filters		<b>Class 35</b> State Estimation - Linear and Nonlinear Kalman Filters		<b>Class 12</b> State Estimation - Linear and Nonlinear Kalman Filters
<b>WEEK - 13</b>	<b>Class 36</b> GNSS/INS Sensing for Pose Estimation		<b>Class 37</b> GNSS/INS Sensing for Pose Estimation		<b>Class 38</b> LIDAR Sensing		"Class 13 GNSS/INS Sensing for Pose Estimation" LIDAR Sensing
<b>WEEK - 14</b>	<b>Class 39</b> LIDAR Sensing		<b>Class 40</b> LIDAR Sensing		<b>Class 41</b> An Autonomous Vehicle State Estimation		Class 14 LIDAR Sensing An Autonomous Vehicle State Estimation
<b>15</b>	<b>Class 42</b> An Autonomous Vehicle State Estimation		<b>Class 43</b> Sensors		<b>Class 44</b> Sensors		Class 15 An Autonomous Vehicle State Estimation Sensors

<b>WEEK - 16</b>	<b>Class 45</b> Least Squares		<b>Class 46</b> Least Squares		<b>Class 47</b> Least Squares		<b>Class 16</b> Least Squares
<b>WEEK - 17</b>	<b>Class 48</b> Project 6 - Extended kalman Filter		<b>Class 49</b> Motion planning - Map: Mapping for planning		<b>Class 50</b> Motion planning - Map: Populating occupancy grids from LIDAR scan data		<b>Class 17</b> Project 6 - Extended kalman Filter Motion planning - Map: Mapping for planning
<b>WEEK - 18</b>	<b>Class 51</b> Motion planning - Mission: Dijkstra's Shortest Path Search		<b>Class 52</b> Motion planning - Mission: Dijkstra's Shortest Path Search		<b>Class 53</b> Motion planning - Mission: A* Shortest path Search		"Class 178 Motion planning - Mission: Dijkstra's Shortest Path Search" Motion planning - Mission: A* Shortest path Search
<b>WEEK - 19</b>	<b>Class 54</b> Motion planning - Dynamic object: Motion Prediction		<b>Class 55</b> Motion planning Dynamic object: Map-Aware Motion Prediction		<b>Class 56</b> Motion planning - Dynamic object: Time to Collision		<b>Class 19</b> Motion planning - Dynamic object: Motion Prediction Motion planning Dynamic object: Map-Aware Motion Prediction Motion planning - Dynamic object: Time to Collision
<b>WEEK - 20</b>	<b>Class 57</b> Sensor fusion - Loss of One or More Sensors		<b>Class 58</b> Project 7 - kidnapped vehicle		<b>Class 59</b> Control -Introduction		<b>Class 20</b> Sensor fusion - Loss of One or More Sensors Project 7 - kidnapped vehicle Control -Introduction
<b>WEEK - 21</b>	<b>Class 60</b> Control - Autonomous Vehicle Introduction		<b>Class 62</b> Control - Compute Graph		<b>Class 63</b> Control - Exercise		<b>Class 21</b> Control - Autonomous Vehicle Introduction Control - Compute Graph

						Control - Exercise
<b>WEEK - 22</b>	<b>Class 64</b> Control - Message passing		<b>Class 65</b> Control - ROS Service		<b>Class 66</b> Control - ROS Service	<b>Class 22</b> Control - Message passing Control - ROS Service
<b>WEEK - 23</b>	<b>Class 67</b> Turlesim		<b>Class 68</b> Turlesim		<b>Class 69</b> Control- Node and Topics	<b>Class 23</b> Turlesim Control- Node and Topics
<b>WEEK - 24</b>	<b>Class 70</b> Control - AI for robotics		<b>Class 71</b> Control - Components inputs wrap up		<b>Class 72</b> Control - Components inputs wrap up	<b>Class 24</b> Control - AI for robotics Control - Components inputs wrap up
<b>WEEK - 25</b>	<b>Class 73</b> Control - Planning subsystem		<b>Class 74</b> Control - Control subsystem		<b>Class 75</b> Project 9 - PID control	<b>Class 25</b> Control - Planning subsystem Control - Control subsystem Project 9 - PID control
<b>WEEK - 26</b>	<b>Class 76</b> Project 10 - Autonomous vehicle					<b>Class 26</b> Project 10 - Autonomous vehicle