# SINGS WITH SMART CONNECTIVITY FOR BETTER ROAD SAFETY

## LITERATURE SURVEY

### 1. CHANDRASEKHAR.M el.al [2]

SUGGESTED A SYSTEM THAT IMPLEMENT IMAGE PROCESSING ALGORITHM IN REAL TIME TRAFFIC LIGHT CONTROL WHICH WILL CONTROL THE TRAFFIC LIGHT EFFICIENTLY.

### 2. EKINHAN ERISKIN el.al [3]

A NEW METHOD FOR DESINGING TRAFFIC SINGNAL TIMING AT OVERSATURATED INTERSECTIONS WAS EXPRESSED "THE ELIMINATION PAIRING SYSTEM". AN OBJECT FUNCTION WITH VEHICLE DELAY AND STOP-START NUMBERS HAS BEEN GENERATED

### 3. GUSTAV NILSSON GIACOMO COMO [4]

FOCUSED ON A CLASS OF DYNAMIC FEEDBACK TRAFFIC SIGNAL CONTROL POLICIES THAT ARE BASED ON A GENERALIZED PROPORTIONAL ALLOCATION RULE. THERE RESULTS IN A DIFFERENTIAL INCLUSION FOR WHICH THERE PROVE EXISTENCE AND, IN THE SPECIAL CASE OF ORTHOGONAL PHASES, UNIQUENESS OF CONTINUOUS SOLUTIONS VIA A GENERALIZATION OF THE REFLECTION PRINCIPLE.

### 4.HUAJUN CHAI el.al [5]

CAPTURED THE INTERACTION BETWEEN TRAVELLS' ROUTING CHOICE AND TRAFFIC SIGNAL CONTROL IN A COHERENT FRAMEWORK. THEY TESTED THEIR ALGORITHM AND CONTROL STRATEGY BY SIMULATION IN OMNET++ (A NETWORK COMMUNICATION SIMULATOR) AND SUMO (SIMULATION OF URBAN MOBILTY) UNDER SEVERAL SCENARIOS.

### 5. DR. PARDEEP K. GUPTA [6]

PROPOSED TO REPLACE EXISTED TRAFFIC SIGNALS WITH A SYSTEM THAT ARE MONITORED THE TRAFFIC FLOW AUTOMATICALLY IN TRAFFIC SIGNAL AND SENSORS ARE FIXED IN WHICH SO THE TIME FEED ARE MADE DYNAMIC AND AUTOMATIC BY PROCESSED THE LIVE DETECTION.

### 6. MOHAMMAD ASLANI ET AL [9]

UTILIZED RL (REINFORCEMENT LEARNING) ALGORITHMS TO DESIGN ADAPTIVE TRAFFIC SIGNAL CONTROLLERS CALLED ACTOR-CRITIC ADAPTIVE TRAFFIC SIGNAL CONTROLLERS