

Project Synopsis		
Project Proposal Reference No.		38S0582
Sl.No	Particulars	Details
1.	Title of the Project	AUTOMATED AMBULANCE DETECTION AND TRAFFIC CONTROL USING ZIGBEE AND GSM
2	Name of the College And Department	SHIRDI SAI ENGINEERING COLLEGE ANEKAL, BENGALURU ELECTRICAL AND ELECTRONICS ENGINEERING
3	Name of the Students	1. MALLI.JN (1SB12EE401) 2. SREEDHAR.PG (1SB12EE402) 3. SUMA.R (1SB11EE021) 4. SWATHI.R (1SB11EE022)
	Name of the Guide	1.Mr. MADHAVA RAO J. M.Tech, MISTE Asst. Professor. 2. Mr. RAVI .V. ANGADI. M.Tech, MISTE. Asst. Professor.
4	Key Words	Ambulance, Traffic junction, Microcontroller, Zigbee, GSM.
5	INTRODUCTION/ BACKGROUND	The main idea about the project is automating the movement of emergency services vehicles like ambulance, the idea is to ease the movement of ambulance by detecting its proximity to the hospital and displaying the arrival of the same and the condition of the patient being carried to the hospital on a display device like LCD or mobile at the hospital. The traffic density in cities is increasing at a rapid rate and emergency services vehicles like ambulance; fire-fighters etc are affected by the traffic. Since every second is important for the patient being carried to the hospital, the ambulance must reach the hospital as soon as possible. To ease the movement of ambulance we have designed this project. Our next idea here is also to communicate the present condition of the patient being carried in the ambulance to the hospital before it reaches the hospital, so the corresponding staff is alerted and ready with the treatment when the ambulance arrives.
6	OBJECTIVES	➤ There is a loss of life due to the delay in the arrival of the ambulance to the hospital. ➤ Ease the traffic flow so that the ambulance reaches the hospital as soon as possible.