

**Proceedings of the 11th Interdisciplinary
International Symposium on**

**Energy, Environment, Health and Visual
Communication
(INFOFEST 2021)**

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International Symposium on
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Communication
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Intelligent Traffic Light Control System - A Review

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Abstract—The problem of traffic congestion is getting worse day by day. This review paper looked at a number of journal articles on the topic of "traffic light control systems" and focused on reducing traffic congestion. The main causes of increased traffic congestion are inadequate infrastructure and illogical growth allocation. The roadways are unable to meet the demands of ever-increasing number of automobiles. The review article focuses on reducing traffic congestion and avoiding time spent due to a green signal on an empty road. Rather than building on roads to accommodate the increased traffic, alternative approaches such as embedded controllers put at intersections have been invented to control traffic on roadways. The major goal of the study is to lessen augmented traffic jams and save time during traffic jams by having the system identify vehicles using photographs rather than electronic sensors embedded in the pavement.