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(57) Abstract : This invention describes a smart street lamp designed with a smart Internet of things-based communication module to communicate the obtained analysis about the level of pollution, visibility, and probability of change in climatic conditions with outer street lamps such that the people can be notified about what to expect ahead. The street lamps have been equipped with modules to detect the type and intensity of pollution in addition to identifying the probability of toxicity to raise alarms. The level of this type of analysis can be helpful to reduce the inhalation of unwanted polluted gases. Further, it has a mechanism to reduce pollution or to improve the visibility using the suction mechanism designed in addition to with the module comprising the mechanism to absorb carbon dioxide to release oxygen.

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