

**HARMFUL GAS AND HUMIDITY SENSOR WITH
WIRELESS (XBEE) TRANSMISSION AND
RECEPTION ENABLED SMART INDUSTRIAL
PLANT WITH
INTERACTIVE VOICE RESPONSE SYSTEM
(PROJECT SPONSORED BY KSCST)**

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ABSTRACT

Pollution is a major problem faced by all the countries throughout the world, of which air pollution is a serious issue. One of the major causes for air pollution is the harmful gases that are let out into the atmosphere. Common gaseous air pollutants include carbon monoxide, carbon dioxide, sulphur dioxide, chlorofluorocarbons (CFCs), nitrogen oxides and methane produced by industry and motor vehicles. When some of these gases mix with water or humidity in the atmosphere, the resultant is something which we know as "ACID RAIN", which is hazardous both to human health and the historical monuments.

So, herein we are introducing an industrial plant, which can be used to overcome the problem mentioned above. The industrial plant consists of harmful gas detection and temporary termination of the process causing it. The industrial plant is planned such that it reduces the manual workload and also takes care of the security concerns.

On successful completion of this project, if it is implemented in an industry as per the specifications of the industry, it can be shown that the project would be highly effective and would excel in all the means.