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PUBLICATION DETAILS

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IOT BASED SMART INDUSTRY MONITORING AND ALERTING SYSTEM

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Abstract — With the advanced computer innovation and automation, the industries across the world have undergone a major revolution. This led to the increased living standards of the commoner and contributed to the country's economic growth. IoT has transformed itself to suit various fields, namely home automation, smart devices, and significantly contributing to the healthcare sector. IoT provides a perfect solution for cost reduction over to 1/10th of the conventional systems. IoT also effectively increases the productivity and efficiency of any industry, thus contributing to its development. Unlike Traditional Systems, we have used IoT technology to make a Smart Industry Monitoring and Alerting System and perform data analytics on sensor readings using cloud service successively. This will detect any leakage of harmful gases, and thus reports the details of the leakage effectively. This model's vision is to develop a system that automatically senses and alerts the corresponding officials, thus stopping gas leakages in those permeable areas. Throughout this paper, our prototype's technological advantages – "IoT Based Smart Industry Monitoring and Alerting System" are being explored.

Keywords — Air pollution, IOT, Sensors, Monitoring systems, Web-Server Based Applications, Internet, Big Data, Cloud, Wireless technology, Gas emission Sensing, Industrial applications.

PAYMENT RECEIPT & ATTENDANCE CERTIFICATE

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