

# **Product development for remote gas level monitoring of gas cylinders and products' business potential**



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## **CERTIFICATE**

It is to certify that this project report titled, “PRODUCT DEVELOPMENT FOR REMOTE GAS LEVEL MONITORING OF GAS CYLINDERS AND PRODUCT BUSINESS POTENTIAL” is based upon an entrepreneurial idea. Project work and market research was carried out by ANAS SHARIF, SYED SAFDAR ALI SHAH and JUNAID SOOMRO. Under my supervision. No material has been used in this report which is not their own work except where due acknowledgement has been made. They have fulfilled all the requirements and qualified to submit this report for the Degree of BS-Industrial Engineering.

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## **Abstract**

This is an entrepreneurial project for providing of LPG Gas filling in food stalls, restaurants, and houses which are located in the remote areas of Lahore and also in societies where there is no gas connection.

Keeping in view the shortage of gas in Lahore we have come up with this LPG providing business model. The distinctive feature of this business model is a special device that will be fixed on the top of cylinder and will detect the amount of LPG gas remaining in the cylinder, before the LPG reaches to the ending line, we will receive the message through GSM. Ours representative will drive the vehicle to that particular place and re-fill the cylinder. The bill for LPG filling will be charged from customers on monthly basis. There will be onetime setup cost of device and cylinder.

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## **Introduction**

A gas is characterized as a state of matter comprising of particles that have neither a characterized volume nor characterized shape. It is one of the four basic conditions of matter, alongside solids, fluids, and plasma. Under customary conditions, the gas state is between the fluid and plasma states.

## **Importance of Gas**

Gas is the quickest developing essential vitality source on the planet. Gas is generally accessible, and it is the cleanest consuming oil based fuel. The worldwide market for gas is substantially smaller than for oil since gas transport is troublesome and expensive because of moderately low vitality content in connection to volume.

Gas has its uses in across all sectors: industrial, electric generation, commercial, and transportation sectors. Gas is utilized over all the sectors in changing sums. Emission of gas is far lower than all other oil derivative fuels which it makes motors good. Extremely positive commitment of gas on the ecological contamination should likewise be considered in efficient viewpoints.