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(61) Patent of Addition to Application Number	:NA	(72)**Name of Inventor :** **1)Dr.J.Senthil Kumar** **2)Mr.A.Kamaraj** **3)Mr.C.Kalyana Sundaram**
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(57) Abstract :
The invention discloses an experimental setup which will automate the LPG cylinder booking based on the weight of active LPG cylinder using IoT technology. The experimental setup comprises of LPG cylinder mounted over load sensor, whose weight was monitored continuously with the MCU connected along with the load sensor. The MCU possesses integrated wireless connectivity and Internet protocol stack that enables to configure it as an IoT device. A new IoT based architecture for automatic booking of LPG cylinder that requires no manual status monitoring and control is used to book the cylinder based on the observed weight of the active LPG cylinder. The present invention is intended to alleviate the time delay in receiving the LPG cylinder and thereby making the booking of the cylinder in a smarter manner. The invention offered here is a supplementary feature for smart home, to enable the active LPG cylinders to take care of themselves and intimate their status and invoking subsequent booking process. This experimental setup would certainly be helpful in achieving an active step towards the implementation of an add-on feature for smart homes by using the intelligence of IoT.

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