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(71)Name of Applicant :
 1)Dr. A RAVEENDRA
 Address of Applicant :DEPARTMENT OF MECHANICAL ENGINEERING, MALLA REDDY ENGINEERING COLLEGE (AUTONOMOUS),MAISAMMAGUDA , SECUNDERABAD 500100 TELANGANA STATE , INDIA
 Telangana India
 2)Dr. YOGESH MADARIA
 3)N. RISHI KANTH
 4)Dr. T RAMACHANDRAN
 5)Dr. HALESH KOTI
 6)Dr. G.BIKSHA
 7)Dr. SHAIK HUSSAIN
 8)Dr. N.VISHNU MURTHY
 9)Dr. B DHATREYI
 10)MR. S UDAYA BASKAR
 (72)Name of Inventor :
 1)Dr. A RAVEENDRA
 2)Dr. YOGESH MADARIA
 3)N. RISHI KANTH
 4)Dr. T RAMACHANDRAN
 5)Dr. HALESH KOTI
 6)Dr. G.BIKSHA
 7)Dr. SHAIK HUSSAIN
 8)Dr. N.VISHNU MURTHY
 9)Dr. B DHATREYI
 10)MR. S UDAYA BASKAR

(57) Abstract :

An extendable and height adjustable ceiling fan with eject able blades is essential to make the ceiling fans to suit any living space irrespective of the size of the living room or height of the ceiling of the living room. The invention aims at designing and implementing a height adjustable ceiling fan which is based on Internet of Things to save the usage data regarding the fan from time to time. Also the fan is enclosed with plurality of sensors to control the fan from the mobile phone of the user along with child lock mechanism. The height of the piston is adjusted using an actuator and the blades of the fans are also extended to suit the living space. The important aspect of the invention is to save Non-renewable energy resource and to record the usage of fan data on daily basis. The data regarding the usage of fan will be saved on a cloud server that can be used for future references.

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