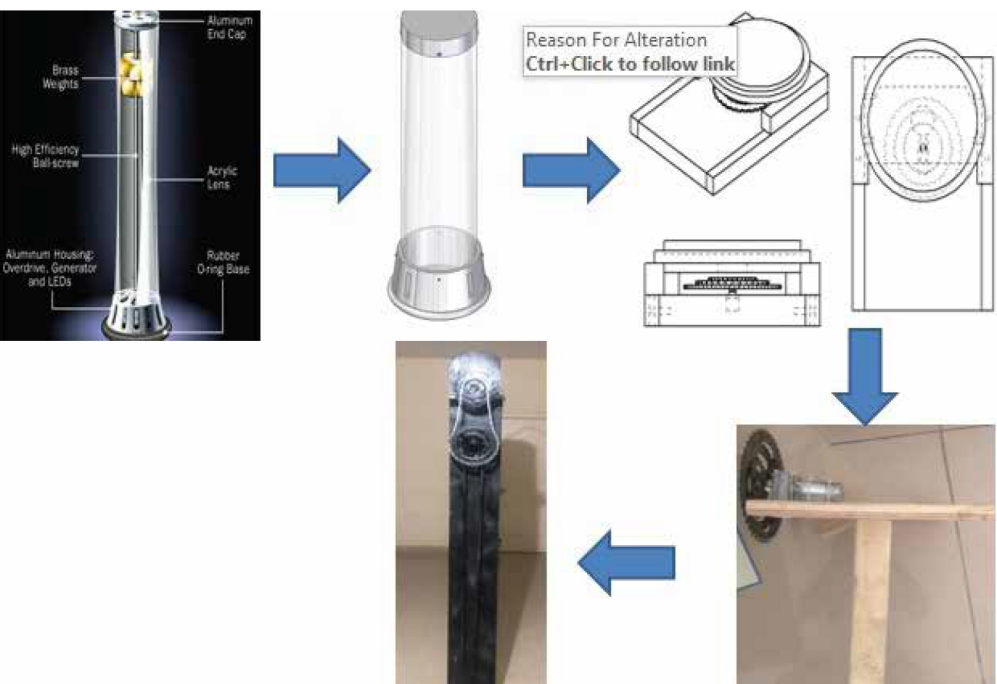


The demand for electricity is on the rise, and in a rapidly developing country like India, electricity still remains a luxury for many villages and remote towns. Challenges include frequent power outages caused by excessive power demand, poor plant load factors, transmission losses and the inability to reach every corner of the country. A possible solution has been identified in the form of gravity. Gravitational potential energy is stored in a mass raised to a height above the Earth's surface. With the help of this potential energy stored in the falling mass, electrical energy is generated by a dynamo, which is then used to power LED bulbs. This experimental study aims to make the entire arrangement of the gravity light compact, and to reduce the weight being used, thereby making the method feasible to move.



40 PROJECT

DESIGN AND OPTIMISATION OF GRAVITY INDUCED LIGHT GENERATION UNIT

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