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Power backup management system

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ABSTRACT

The system power after power cut drastically degrades down, at a point the entire power is dead and system goes to sleep, due to which person sit's ideal if there cause a major outage, this causes major impact for the business as the resolving of late task leads to late deliverance of project, Power Backup Management System will resolve this issue by storing the power unit and use portably at any time.

Keywords: *Degrade, Deliverance, Professionalism, Roadblock, Virtual*

1. INTRODUCTION

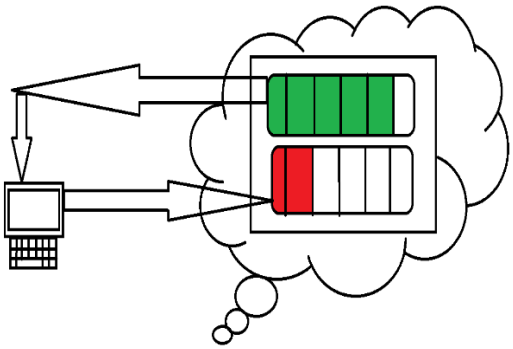
In Covid-19, many organizations have changed their work policy and allowed employees to do work from home, as in organization there are good and strong Infrastructure's where there is also include of power back up called 'Generator', but when employee started to do work from home, out of 100%, 62% employee are facing same issue as power cut, and not all are having invertors at their home. Whenever there is power cut, the power of system never remains constant it drastically starts to degrade down and at certain point the battery leads to dead and system turns into sleep mode, due to this reason there is delay in completion of daily task which leads to late deliverance of project which cause impact to organization in terms of professionalism.

This research paper comes with solution to all 62% who are facing the daily issue, power back management system will be cloud service where there will be virtual battery located on cloud, so it will help the users to store as well as access the power at any time from any location, this will reduce the daily problem of employee to great extent.

2. ARCHITECTURE

When there is no power cut, user can share its physical system power unit to virtual batteries on cloud, the virtual batteries on cloud will stored the power unit and allowed user's system to access at any point of time.

As the normal presence of battery is up to 4 hours approximately, but with this solution as there will be multiple virtual batteries the issue of system power degradation can be solved for long time. the user can just get input of power unit from virtual stored batteries to physical system and similarly user can share the power to virtual located batteries and store it to access it later from any location. With this solution the people can continue with their work without any roadblock dues to electricity power cut, as we know on few electricity pole's millions of homes are getting light's, so we cannot expect 24 hours present of electricity continuously everywhere, but we can learn from this and implement the solution accordingly this is what this research paper explains.



When it comes to output there should be available of proper resources at proper places. Else if power of system is just 10% and if it's time to deploy the project into live environment, it would be the most difficult situation of employee. So with this solution employee can just download the power unit which will be 100% from virtual batteries on cloud

3. CONCLUSION

Power Backup Management System is virtual empty battery stored on clouds so user can transmit the power unit to virtual batteries on present of electricity and access the stored power unit from virtual batteries when the system power is up to end.

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