

KONGU ENGINEERING COLLEGE

PERUNDURAI

TOPIC:

HUMAN ACTIVITY BASED POWER SAVING SYSTEM FOR SMART HOMES.

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ABSTRACT:

- In our day to day life we are using different kind of appliances like television , fan , air cooler etc. ,because of that the consumption of electricity is drastically high in last 10 to 15yrs, also the cost electricity getting high comparted to previous years, So we focus on the additional usages like ,when human mentally or physically getting absence like (sleeping ,left apart....etc.). To recover that problem. As per now we Implemented this on telivison , When the user switch ON the Television at same time ,the PIR sensor also gets activated, if suppose no presence of human for while ,both the TV and the sensor tends to sleep. When PIR sensor the detected presence of human and also the image processing takes place. If suppose the user slept or there is no motion of user for some particular time period. It convey the analysed image processing to cloud using the image processing. And it alter the Television ,depends on user comfort (Eg: television tends to sleep or gets power off).