

(54) Title of the invention : ENERGY SAVING SYSTEM FOR CLASSROOM BASED ON CAMPUS CARD

<p>(51) International classification :G06Q0050200000, F24F0120100000, G06F0001323400, G06F0009451000, H05B0047130000</p> <p>(86) International Application No :PCT//</p> <p>Filing Date :01/01/1900</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA</p> <p>Filing Date :NA</p> <p>(62) Divisional to Application Number :NA</p> <p>Filing Date :NA</p>	<p>(71)Name of Applicant : 1)St. Martin's Engineering College Address of Applicant :St.Martin's Engineering College, Sy no 98,100, Dhulapally Kompally Secunderabad ----- Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : 1)Mr. CH. SRINIVAS Associate Professor, EEE SMEC Address of Applicant :St.Martin's Engineering College, Dhulapally Kompally Secunderabad ----- 2)Mr. G. BALA CHANDRAIAH Assistant Professor, EEE SMEC Address of Applicant :St.Martin's Engineering College, Dhulapally Kompally Secunderabad ----- 3)Mr. V. VISHNU VARDHAN Assistant Professor, EEE SMEC Address of Applicant :St.Martin's Engineering College, Dhulapally Kompally Secunderabad ----- 4)B SAIKUMAR Student EEE Address of Applicant :St.Martin's Engineering College, Dhulapally Kompally Secunderabad ----- 5)G ANAND Student EEE Address of Applicant :St.Martin's Engineering College, Dhulapally Kompally Secunderabad ----- 6)B ANUSHA Student EEE Address of Applicant :St.Martin's Engineering College, Dhulapally Kompally Secunderabad ----- 7)D VANI Student EEE Address of Applicant :St.Martin's Engineering College, Dhulapally Kompally Secunderabad ----- 8)D NIKHITHA, Student, EEE Address of Applicant :St.Martin's Engineering College, Dhulapally Kompally Secunderabad ----- 9)LOKESH, Student, EEE Address of Applicant :St.Martin's Engineering College, Dhulapally Kompally Secunderabad ----- 10)G SHRAVAN KUMAR, Student, EEE Address of Applicant :St.Martin's Engineering College, Dhulapally Kompally Secunderabad ----- 11)V KOUSHIK, Student, EEE Address of Applicant :St.Martin's Engineering College, Dhulapally Kompally Secunderabad ----- 12)K SHRAVYA , Student , EEE Address of Applicant :St.Martin's Engineering College, Dhulapally Kompally Secunderabad ----- 13)A DURGA PRASAD, Student, EEE Address of Applicant :St.Martin's Engineering College, Dhulapally Kompally Secunderabad ----- 14)M VIKAS, Student, EEE Address of Applicant :St.Martin's Engineering College, Dhulapally Kompally Secunderabad ----- 15)K. ARCHANA, Student, EEE Address of Applicant :St.Martin's Engineering College, Dhulapally Kompally Secunderabad ----- 16)MD.IMTHIAZ ALL, Student, EEE Address of Applicant :St.Martin's Engineering College, Dhulapally Kompally Secunderabad ----- 17)G PAVAN KUMAR, Student, EEE Address of Applicant :St.Martin's Engineering College, Dhulapally Kompally Secunderabad -----</p>
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(57) Abstract :

In class rooms or in offices we can see lot of energy is wasted because the people are switching on the Fans and lights and leaving them switch on. In our project we are implementing novel system to save the power loss. We are allotting a campus card to every student and whenever they entered into class we are going to read their number and count is going to increase and at the same time whenever they are leaving the class room the final count is going to reduce. In addition to the count we are inserting sensors in the class room to detect where the person is sitting. When the count is valid then we are switching on light and fan at particular position where the person is sitting and we are going the save power by switching off the remaining electrical appliances. To detect the person we are going the place the IR based trans-receivers. They are going to detect the where person is sitting. Since we already know how many people are there in the room and we also know where they seated and it is very easy that where we have switch on the fan and light's. If all the persons leave the class room then we can switch off all the electrical appliances in the class room. With the help of this system large amount of energy can be saved.

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