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(71)Name of Applicant :
1)SWAMI VIVEKANANDA UNIVERSITY
 Address of Applicant :Telinipara, Barasat - Barrackpore Rd, Bara Kanthalia, West Bengal – 700121 Barasat -----

Name of Applicant : NA
Address of Applicant : NA

(72)Name of Inventor :
1)MR. AMIT MANDAL
 Address of Applicant :SWAMI VIVEKANANDA UNIVERSITY Telinipara, Barasat - Barrackpore Rd, Bara Kanthalia, West Bengal – 700121 Barasat -----

2)MR. ABHISHEK DHAR
 Address of Applicant :SWAMI VIVEKANANDA UNIVERSITY Telinipara, Barasat - Barrackpore Rd, Bara Kanthalia, West Bengal – 700121 Barasat -----

3)MR. PROMIT KUMAR SAHA
 Address of Applicant :SWAMI VIVEKANANDA UNIVERSITY Telinipara, Barasat - Barrackpore Rd, Bara Kanthalia, West Bengal – 700121 Barasat -----

4)DR. RITUPARNA MUKHERJEE
 Address of Applicant :SWAMI VIVEKANANDA UNIVERSITY Telinipara, Barasat - Barrackpore Rd, Bara Kanthalia, West Bengal – 700121 Barasat -----

5)MR. AVIK DATTA
 Address of Applicant :SWAMI VIVEKANANDA UNIVERSITY Telinipara, Barasat - Barrackpore Rd, Bara Kanthalia, West Bengal – 700121 Barasat -----

6)MR. SAURABH ADHIKARI
 Address of Applicant :SWAMI VIVEKANANDA UNIVERSITY Telinipara, Barasat - Barrackpore Rd, Bara Kanthalia, West Bengal – 700121 Barasat -----

(57) Abstract :
 The Smart Laser Security System enhances home security by integrating a laser-based detection mechanism with existing CCTV surveillance. It features a laser light source directed across an entry point, paired with an LDR (Light Dependent Resistor) sensor to detect any interruption in the laser beam. When an object or person crosses the beam, the system triggers an alert through an audible buzzer and a visual LED light, notifying homeowners of a potential security breach. This immediate alert allows users to review CCTV footage and assess the situation quickly. The system's compact design ensures ease of installation and compatibility with current security setups, providing an effective and user-friendly solution to enhance residential security.

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