 

**CHITKARA UNIVERSITY INSTITUTE OF ENGINEERING & TECHNOLOGY, PUNJAB**

**DEPARTMENT OF INTERDISCIPLINARY COURSES IN ENGINEERING**

**Digital Electronics and Computer Architecture Laboratory**

**B**

**PG-6**

G15

Class Group - Section - Project Group -  **15**

**Project Abstract**

**Project Title: Anti-Theft Laser Security System**

**Abstract for Anti-Theft Laser Security System:**

The Anti-Theft Laser Security System is an advanced security solution that uses invisible laser beams to create a protective perimeter around valuable assets or entry points. When an intruder crosses the beams, the system detects the breach and triggers an alarm, providing immediate notification of potential theft. This system offers high accuracy, minimal false alarms, and can be easily integrated into existing security infrastructures. It is ideal for securing homes, commercial establishments, industrial facilities, and sensitive areas, offering a discreet and reliable method for safeguarding assets against theft and unauthorized access.

**Application Area:** Shopping Centres, Airports, Hospitals,Industrial Facilities, Bank and Financial Institutions.

**Impact on Society/Industry:** Improved Public Safety, Peace of Mind For Homeowners, Economic Stability, Cost Efficiency, Growth of Security Industry,Integration of Smart Security Systems.

**Sustainable Development Goals:** 1) SDG 9: Industry, Innovation, Technology, and Infrastructure.

2) SDG 11: Sustainable Cities and Communities.

3) SDG 16: Peace, Justice, and Strong Institutions.

**Technology Stack:** Arduino uno, LDR(Light Dependent Resistor), Laser Module, Wires and Buzzer(5V).

**Group Details:**

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| **S Sr. No** | **Nam Name of Students** | **Roll No** | **Project Guide Name and Signature** |
| **1.** | **Krishna Mittal** | **2410991208** | **(DECA Lab Faculty Name)** |
| **2.** | **Krishna Sharma** | **2410991209** |
| **3.** | **Kulshan Pathania** | **2410991210** |
| **4.** | **Kunal Jangra** | **2410991211** |
| **5.** | **Kunal mittal** | **2410991212** |

**Approved By:**

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| --- | --- | --- |
| **Name of Faculty in Panel** | **Designation** | **Signature** |
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**Final Approval**

**Prof. (Dr.) Rajneesh Talwar**

**Dean-DICE**