**Name – Manish Kumar**

**Enrollment – 2020ITB007**

**Data Dictionary for Intelligent Surveillance System:**

1. **Tracking of human movement in the department:**

* Data\_item: Movement\_Tracking.
* Data\_type: Boolean (1 or 0).
* Description: Indicates if the system is tracking the movement of people within the department or not.

1. **Tracking of arrival and departure time of research scholars and PG students:**

* Data\_item: Arrival\_Time
* Data\_type: Time (HH:MM:SS)
* Description: The time at which the research scholars and PG students arrive at the department.
* Data\_item: Departure\_Time
* Data\_type: Time (HH:MM:SS)
* Description: The time at which the research scholars and PG students depart from the department.

1. **Monthly attendance data of research scholars and PG students:**

* Data\_item: Attendance\_Data
* Data\_type: CSV or Excel file
* Description: Contains monthly attendance data of research scholars and PG students.

1. **Unauthorized movement detection:**

* Data\_item: Unauthorized\_Movement
* Data\_type: Boolean (1 or 0)
* Description: Indicates if any unauthorized movement has been detected within the department.

1. **Unauthorized entry detection:**

* Data\_item: Unauthorized\_Entry
* Data\_type: Boolean (1 or 0)
* Description: Indicates if any unauthorized entry has been detected within the department.

1. **Fire breakout detection:**

* Data\_item: Fire\_Breakout
* Data\_type: Boolean (1 or 0)
* Description: Indicates if any fire breakout has been detected within the department.

1. **Property damage detection:**

* Data\_item: Property\_Damage
* Data\_type: Boolean (1 or 0)
* Description: Indicates if any property damage has been detected within the department.

1. Real-time automated attendance recording in classrooms:

* Data\_item: Real\_Time\_Attendance
* Data\_type: Boolean (1 or 0)
* Description: Indicates if the system is recording attendance in real-time in classrooms or not.

1. **Semester-wise attendance calculation of UG students:**

* Data\_item: Semester\_Attendance
* Data\_type: CSV or Excel file
* Description: Contains semester-wise attendance data of undergraduate (UG) students.