**K S INSTITUTE OF TECHNOLOGY**

Department of Computer Science & Engineering

VIII Sem 2020-21 (Even Semester)

Project Phase II (17CSP85)

**Weekly Report** Date: 03-05-2021

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| Group No.: G3 | | | Batch No: 2020\_CSE\_12 | |
| Group Head: Prof. Vaneeta M. | | | Guide Name: Prof. Roopesh Kumar B N | |
| Guide Signature: | |
| Project Title:  **Armament Detection and Alert System using Yolo Algorithm** | | | | |
| Student Details: | | | | |
| Sl.No.: | USN: | Name: | | Sign: |
| 1 | 1KS17CS052 | Parth P Shah | | C:\Users\Shashank\Desktop\final year project\parthsign.jpg |
| 2 | 1KS17CS063 | Rohith R | | C:\Users\Shashank\Desktop\final year project\rohithsign.jpg |
| 3 | 1KS17CS075 | Shashank Shet K | | C:\Users\Shashank\Desktop\final year project\shashanksign.jpg |
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| Blog Updated Date: 10-05-2021 | | | GitHub Updated Date: 10-05-2021 | |
| **Weekly Progress:**  1. OPENCV: For the video input we will be using open-source computer vision (opencv). OpenCV runs on all popular desktop operating systems. It is an open-source library computer vision. It provides the facility to the machine to recognize faces, objects etc. OpenCV is available for free of cost. Since the OpenCV library is written in C/C++, so it is quite fast. Now it can be used with Python. It requires less RAM to usage, it maybe of 60-70 MB. Computer Vision is portable as OpenCV and can run on any device that can run on C.  2. YOLO: You only look once (YOLO) is a state-of-the-art, real-time object detection system. YOLO reasons at the level of the overall image, rather than examining successively several regions. We are implementing yolo because of its real-time advantages over others.   |  |  |  | | --- | --- | --- | | **Name of the Faculty** | **Suggestions Given** | **Signature** | | Prof. Vaneeta M. | - |  | | Prof. Roopesh Kumar B.N. | Good steady progress |  | | Prof. Sneha Karamadi | - |  | | | | | |
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