**Social Distance Detector**

**(AY20BECSP70520)**

A **Major Project Logbook** Submitted in partial fulfilment of the requirements

of the degree of

**BACHELOR OF ENGINEERING**

**IN**

**COMPUTER ENGINEERING**

BY

**Isha Dharmraj Gupta (Roll No. 12 )**

**Shivang Rajiv Srivastava (Roll No. 55)**

**Gaurav Dharmendra Upadhyay (Roll No. 58)**

Supervisor

Prof. Uma Goradiya

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**DEPARTMENT OF COMPUTER ENGINEERING**

**SHREE L. R. TIWARI COLLEGE OF ENGINEERING**

**KANAKIA PARK, MIRA ROAD (E), THANE -401 107, MAHARASHTRA.**

**University of Mumbai**

**(AY 2020-21)**

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|  |
| DEPARTMENT OF COMPUTER ENGINEERING |

**VISION AND MISSION**

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| **Institution's** | |
| **Vision** | To be a world class institute and a front runner in educational and socioeconomic development of the nation by providing high quality technical education to students from all sections of society. |
| **Mission** | To provide superior learning experiences in a caring and conducive environment so as to empower students to be successful in life & contribute positively to society. |
| **Quality Policy** | We, at SHREE L. R. TIWARI COLLEGE OF ENGINEERING, shall dedicate and strive hard to continuously achieve academic excellence in the field of Engineering and to produce the most competent Engineers through objective & innovative teaching methods, consistent updating of facilities, welfare & quality improvement of the faculty & a system of continual process improvement. |
|  |  | |  |  |  |  |  |  |  |  |  |
| **Computer Engineering Department's** | |
| **Vision** | To be a department of high repute focused on quality education, training and skill development in the field of computer engineering to prepare professionals and entrepreneurs of high caliber with human values to serve our nation and globe. |
| **Mission** | **M1:** To provide fertile academic environment for the development of skilled professionals and empowered with knowledge, skills, values, and confidence to take the leadership role and to bridge the gap between industry institute and society in the field of Computer engineering. |
| **M2:** To promote caring and interactive teaching practices in a rejoicing learning ambience with richly supported modern educational tools and techniques. |
| **M3:** To enhance and revitalize research culture to provide practical exposure and to establish synergy between teaching and research and make it an enabler for speedy progress. |
| **M4:** To pursue intensification of soft skills and personality development through interplay of achievers of all segments of our society. |
| **M5:** To provide human values to students by promoting lifelong learning ability. |
| **Program Educational Objectives** | **PEO-1:** To prepare students for successful carrier in industry, research and institutions of higher learning. |
| **PEO-2:**To encourage student to work in teams to address industrial and socially relevant problems/projects. |
| **PEO-3:** To provide student with a sound mathematical, scientific and engineering fundamentals necessary to formulate, analyze and solve engineering problems. |
| **PEO-4:**To promote student awareness and commitment to lifelong learning and professional ethics during the course of professional practice. |

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**Student’s Signature**

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| DEPARTMENT OF COMPUTER ENGINEERING |

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| **Programme Outcome (POs & PSOs)** | | |
| Programme Outcomes are the skills and knowledge which the students have at the time of graduation. This will indicate what students can do from subject-wise knowledge acquired during the programme. | | |
| **PO** | **Graduate Attributes** | **Description of the Programme outcome as defined by the NBA** |
| PO-1 | Engineering knowledge | Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems. |
| PO-2 | Problem analysis | Identify, formulate, review research literature, and analyse complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences. |
| PO-3 | Design/ development of solutions | Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations. |
| PO-4 | Conduct investigations of complex problems | Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions. |
| PO-5 | Modern tool usage | Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations. |
| PO-6 | The engineer and society | Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice. |
| PO-7 | Environment and sustainability | Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development. |
| PO-8 | Ethics | Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice. |
| PO-9 | Individual and team work | Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings. |
| PO-10 | Communication | Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions. |
| PO-11 | Project management and finance | Demonstrate knowledge and understanding of the engineering and management principles and apply these to one’s own work, as a member and leader in a team, to manage projects and in multidisciplinary environments. |
| PO-12 | Life-long learning | Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change. |
| **Program Specific Outcomes (PSOs) defined by the programme. Baseline-Rational Unified Process(RUP)** | | |
| PSO-1 | System Inception and Elaboration | Conceptualize the software and/or hardware systems, system components and process/procedures through requirement analysis, modelling/design of the system using various architectural/design patterns, standard notations, procedures and algorithms. |
| PSO-2 | System Construction | Implement the systems, procedures and processes using the state of the art technologies, standards, tolls and programming paradigms. |
| PSO-3 | System Testing and Deployment | Verify and validate the systems, procedures and processes using various testing and verification techniques and tools. |
| PSO-4 | Quality and Maintenance | Manage the quality through various product development strategies under revision, transition and operation through maintainability, flexibility, testability, portability, reusability, interoperability, correctness, reliability, efficiency, integrity and usability to adapt the system to the changing structure and behaviour of the systems/environments |

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Student’s Signature**

# STUDENTS INFORMATION

**Academic Year: 2020-2021 Program: Computer Engg (UG)**

**Class: Fourth Year Computer Engineering Semester: VII (Seventh)**

**Course Name: Major Project -I Course Code: CSP705**

**Group Unique ID: AY20BECSP70520 Team: Team Retro**

**Name of Supervisor: Prof. Uma Goradiya Designation:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name of Group Members**  **(Last name-First Name-Middle Name)** | Upadhyay Gaurav Dharmendrra kumar | | |
| **Role/Responsibility** | Team Leader | | |
| **Roll No.** | 58 | **Gender(M/F)** | Male |
| **Mobile No.** | 9619362220 | **Email ID** | [gaurav31599@gmail.com](mailto:gaurav31599@gmail.com) |
| **Address** | 1303, Hazel, Hubtown Gardenia, Hatkesh, Mira Road (E) | | |
| **Name of Mentor** | Ms. Uma Goradiya | | |
| **Name of Group Members**  **(Last name-First Name-Middle Name)** | Srivastava Shivang Rajiv | | |
| **Role/Responsibility** | Project Developer | | |
| **Roll No.** | 55 | **Gender(M/F)** | Male |
| **Mobile No.** | 9967800791 | **Email ID** | [shivanggg1999@gmail.com](mailto:shivanggg1999@gmail.com) |
| **Address** | A-303, Aum Shree palace , Mira Road(E) | | |
| **Name of Mentor** | Ms. Uma Goradiya | | |
| **Name of Group Members**  **(Last name-First Name-Middle Name)** | Gupta Isha Dharmraj | | |
| **Role/Responsibility** | Project Developer | | |
| **Roll No.** | 12 | **Gender(M/F)** | Female |
| **Mobile No.** | 9869122233 | **Email ID** | [ishagupta229@gmail.com](mailto:ishagupta229@gmail.com) |
| **Address** | Old Golden nest, Mira Road(E) | | |
| **Name of Mentor** | Ms. Uma Goradiya | | |

**INSTRUCTIONS TO STUDENTS:**

Project log books are used to record your daily activity from the very first thing you do in starting the project (an introduction statement of what your project is all about), to the completion of the effort (including the final results, did your project meet the core objectives, etc.) Most science project participants use the “Scientific Method” to conduct their project activity and to record the results into a “Log Book” or journal. The Log Book will help you organize your thoughts and procedures. Log books will be submitted with the project at completion, and will be graded along with the project.

The first step will be to create a log book or journal. It is the written record showing all your work from start to finish. Take pictures during each step of the process, including appropriate screen shots, and import into the log book. As data is gathered, record results via charts, graphs, etc. Record all appropriate footnotes and source documents used. All work must be that of the student only (work done by any outside sources is unacceptable). The information can be handwritten or typed (the student’s choice); however, since this project will be judged in a virtual environment, be sure the data is clear, concise and legible and can be scanned into the document. Submission can be as a doc, pdf, or jpeg.

1. The logbook must be submitted to the Guide or Co-Guide for verification and evaluation of project activities at least once in a week.

2. Log books duly signed by a guide must be submitted with a project report for evaluation at the end of semester to the department.

# Declaration by the Candidate(s)

We declare that this written submission represents my ideas in my own words and where others' ideas or words have been included, We have adequately cited and referenced the original sources. We also declare that We have adhered to all principles of academic honesty and integrity and have not misrepresented or fabricated or falsified any idea/data/fact/source in my submission. We understand that any violation of the above will be cause for disciplinary action by the Institute and can also evoke penal action from the sources which have thus not been properly cited or from whom proper permission has not been taken when needed.

Date: 29th November, 2020

**(Isha Dharmraj Gupta)**

Roll No.:12 Exam. Seat No.:

**(Shivang Rajiv Srivastava)**

Roll No.:55 Exam. Seat No.:

**(Gaurav Dharmendra Upadhyay)**

Roll No.:58 Exam. Seat No.:

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| DEPARTMENT OF COMPUTER ENGINEERING |

**Letter of Acceptance**

I undersigned, Prof. Uma Goradiya working in Department of Computer Engineering, willing to guide the project titled SOCIAL DISTANCE DETECTOR for the Major project-I & II, Semester VII and VIII respectively for the academic year 2020-21. The names of the students are:

1. Isha Dharmraj Gupta

2. Shivang Rajiv Srivastava

3. Gaurav Dharmendra Upadhyay

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**(Project Guide) (Major Project Coordinator) (HOD, Computer Engg.)**

**COURSE OBJECTIVES**

1. To acquaint with the process of identifying the needs and converting it into the problem.
2. To familiarize the process of solving the problem in a group.
3. To acquaint with the process of applying basic engineering fundamentals to attempt solutions to the problems.
4. To inculcate the process of self-learning and research.

**COURSE OUTCOMES**

|  |  |  |  |
| --- | --- | --- | --- |
| CO's No. | COURSE OUTCOME | POs covered | PSOs covered |
| CO1 | Identify problems based on societal /research needs. | PO1, PO2, PO3 | PSO-1 |
| CO2 | Apply Knowledge and skill to solve societal problems in a group. | PO6 | PSO-1 |
| CO3 | Develop interpersonal skills to work as a member of a group or leader. | PO9 | PSO-2 |
| CO4 | Draw the proper inferences from available results through theoretical/experimental/simulations. | PO4, PO5 | PSO-3 |
| CO5 | Analyse the impact of solutions in societal and environmental context for sustainable development. | PO7 | PSO-4 |
| CO6 | Use standard norms of engineering practices | PO8 | PSO-2 |
| CO7 | Excel in written and oral communication. | PO10 | PSO-3 |
| CO8 | Demonstrate capabilities of self-learning in a group, which leads to lifelong learning. | PO12 | PSO-4 |
| CO9 | Demonstrate project management principles during project work. | PO11 | PSO-2 |

**Course Articulation Matrix**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Outcomes** | **POs** | **Graduate Attributes ↓** | **Course Outcome** | | | | | | | | | **Total** | **Weighted Avg.** | |
| **CSM 301.1** | **CSM 301.2** | **CSM 301.3** | **CSM 301.4** | **CSM 301.5** | **CSM 301.6** | **CSM 301.7** | **CSM 301.8** | **CSM 301.9** |  |  |
| **Programme Outcome** | **PO-1** | **Engineering knowledge** | 3 | -- | -- | -- | -- | -- | -- | -- | -- | 3 | 3 |
| **PO-2** | **Problem analysis** | 3 | -- | -- | -- | -- | -- | -- | -- | -- | 11 | 3 |
| **PO-3** | **Design/development of solutions** | 3 | -- | -- | -- | -- | -- | -- | -- | -- | 8 | 3 |
| **PO-4** | **Conduct investigations of complex problems** | -- | -- | -- | 3 | -- | -- | -- | -- | -- | - | 3 |
| **PO-5** | **Modern tool usage** | -- | -- | -- | 3 | -- | -- | -- | -- | -- | 8 | 3 |
| **PO-6** | **The engineer and society** | -- | 3 | -- | -- | -- | -- | -- | -- | -- | - | 3 |
| **PO-7** | **Environment and sustainability** | -- | -- | -- | -- | 3 | -- | -- | -- | -- | - | 3 |
| **PO-8** | **Ethics** | -- | -- | -- | -- | -- | 3 | -- | -- | -- | 3 | 3 |
| **PO-9** | **Individual and team work** | -- | -- | 3 | -- | -- | -- | -- | -- | -- | 3 | 3 |
| **PO-10** | **Communication** | -- | -- | -- | -- | -- | -- | 3 | -- | -- | 3 | 3 |
| **PO-11** | **Project management and finance** | -- | -- | -- | -- | -- | -- | -- | -- | 3 | 3 | 3 |
| **PO-12** | **Life-long learning** | -- | -- | -- | -- | -- | -- | -- | 3 | -- | 5 | 3 |
| **Program Specific Outcomes** | **PSO-1** | **System Inception and Elaboration** | 3 | 3 | -- | -- | -- | -- | -- | -- | -- | 13 | 3 |
| **PSO-2** | **System Construction** | -- | -- | 2 | -- | -- | 2 | -- | -- | 2 | 6 | 2 |
| **PSO-3** | **System Testing and Deployment** | -- | -- | -- | 2 | -- | -- | 2 | -- | -- | 5 | 2 |
| **PSO-4** | **Quality and Maintenance** | -- | -- | -- | -- | 2 | -- | -- | 2 | -- | 3 | 2 |

**SCHEDULE FOR Major PROJECT**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Date** | **Week** | **Contents** | **Remark** | **Guide Sign** |
| 3/08/20 | 1 | Group and Domain Selection |  |  |
| 10/08/20 | 2 | Project Selection |  |  |
| 17/08/20 | 3 | Project Proposal and Approval |  |  |
| 24/08/20 | 4 | Literature Review |  |  |
| 31/08/20 | 5 | SRS |  |  |
| 7/09/20 | 6 | 1st Stage Presentation |  |  |
| 14/09/20 | 7 | Design Documentation |  |  |
| 21/09/20 | 8 | Design Documentation |  |  |
| 28/09/20 | 9 | Implementation |  |  |
| 5/10/20 | 10 | 2nd Stage Presentation |  |  |
| 12/10/20 | 11 | Log Report |  |  |
| 19/10/20 | 12 | Finalization of Project Report and Log report and final presentation. |  |  |

**PROGRESS/ATTENDANCE REPORT**

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| --- | --- |
| Title of the Project: Social Distance Detector | |
| Group No. | Name of Student 1: Isha Gupta |
| Name of Student 2: Shivang Srivastava |
| Name of Student 3: Gaurav Upadhyay |
| Name of the Supervisor: Prof Uma Goradiya | |

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| **Sr. No** | **Date** | **Progress/ Suggestion** | | | | **Mapping** | | |
| **1** | **2** | **3** |  | **CO** | **PO** | **PSO** |
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Sign of the Supervisor

**Key Milestones Table (Represent significant project progress)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sr. No. | Phase | Completion date as per planned | Actual Completion date | Remark |
| 1 | Group and Domain Selection |  |  |  |
| 2 | Project Selection |  |  |  |
| 3 | Project Proposal and Approval |  |  |  |
| 4 | Literature Review |  |  |  |
| 5 | SRS |  |  |  |
| 6 | 1st Stage Presentation |  |  |  |
| 7 | Design Documentation |  |  |  |
| 8 | Design Documentation |  |  |  |
| 9 | Implementation |  |  |  |
| 10 | 2nd Stage Presentation |  |  |  |
| 11 | Log Report |  |  |  |
| 12 | Finalization of Project Report and Log report and Final Presentation. |  |  |  |
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**MAJOR PROJECT WORK PROGRESS**

**Bachelor in Engineering in Computer Engineering**

**(AY - 2020-2021)**

**SEMESTER: VII WEEK NO: 1**

**DATE FROM: 3/08/20 TO: 10/08/20**

**PROJECT PHASE: Group and Domain Selection**

**SUMMARY OF PROGRESS ACHIEVED**

This week, we formed our team of three members each having some knowledge of different domains. Then we selected our domains and started searching for project ideas.

**References**

[1] https://projectideas.co.in

[2] https://www.pyimagesearch.com

**Guide’s Remark**

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Signature: Project Guide: Prof Uma Goradiya

Team Member 1: Isha Gupta

Team Member 2: Shivang Srivastava

Team Member 3: Gaurav Upadhyay

**MAJOR PROJECT WORK PROGRESS**

**Bachelor in Engineering in Computer Engineering**

**(AY - 2020-2021)**

**SEMESTER: VII WEEK NO: 2**

**DATE FROM: 10/08/20 TO: 17/08/20**

**PROJECT PHASE: Project Selection**

**SUMMARY OF PROGRESS ACHIEVED**

This week, We discussed various project ideas and how it can be used to solve some real life problems. After going through multiple ideas we decided to go with two to three ideas two related to image processing and one related to cyber security.

**References**

[1] https://ijarcsse.com/

[2] https://nevonprojects.com/

[3] https://www.pyimagesearch.com

**Guide’s Remark**

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Signature: Project Guide: Prof Uma Goradiya

Team Member 1: Isha Gupta

Team Member 2: Shivang Srivastava

Team Member 3: Gaurav Upadhyay

**MAJOR PROJECT WORK PROGRESS**

**Bachelor in Engineering in Computer Engineering**

**(AY - 2020-2021)**

**SEMESTER: VII WEEK NO: 3**

**DATE FROM:17/08/20 TO: 24/08/20**

**PROJECT PHASE: Project Proposal and Approval**

**SUMMARY OF PROGRESS ACHIEVED**

In this phase we made a project proposal in which we found information and requirements related to our project. After finding requirements and information related to our project we made a Project proposal by understanding all the requirements and waited for our guide to approve one of the three proposals so we could start researching and working on it.

**References**

[1] https://en.wikipedia.org/

[2] https://www.researchgate.net/

[3]https://axiscades.com/social-distancing-detector.html

**Guide’s Remark**

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Signature: Project Guide: Prof Uma Goradiya

Team Member 1: Isha Gupta

Team Member 2: Shivang Srivastava

Team Member 3: Gaurav Upadhyay

**MAJOR PROJECT WORK PROGRESS**

**Bachelor in Engineering in Computer Engineering**

**(AY - 2020-2021)**

**SEMESTER: VII WEEK NO: 4**

**DATE FROM:24/08/20 TO:31/08/20**

**PROJECT PHASE: Literature review**

**SUMMARY OF PROGRESS ACHIEVED**

In this phase we read some research papers related to our project where we found 2-3 papers that were related to our approved project topic social distance detector, where in two papers we found some useful information such as tools and processes involved and what are the past implementation of related project.

**References**

[1] https://ieeexplore.ieee.org/document/9138385

[2] https://ieeexplore.ieee.org/document/9204934

[3] https://www.pyimagesearch.com/2020/06/01/opencv-social-distancing-detector/

**Guide’s Remark**

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Signature: Project Guide: Prof Uma Goradiya

Team Member 1: Isha Gupta

Team Member 2: Shivang Srivastava

Team Member 3: Gaurav Upadhyay

**MAJOR PROJECT WORK PROGRESS**

**Bachelor in Engineering in Computer Engineering**

**(AY - 2020-2021)**

**SEMESTER: VII WEEK NO: 5**

**DATE FROM:31/08/20 TO: 7/09/20**

**PROJECT PHASE: Software Requirement Specification(SRS)**

**SUMMARY OF PROGRESS ACHIEVED**

In this phase we found some requirements related to our project like functional requirements, non functional requirements, software requirements. Along with that we also found operating environment, design and implementation constraints, system features and system assumption and dependencies. Here we found external requirements which are required for systems such as user interface, software interface. We also found other requirements which will be needed for the implementation of our project.

**References**

[1]https://deepai.org/publication/monitoring-covid-19-social-distancing-with-person-detection-and-tracking-via-fine-tuned-yolo-v3-and-deepsort-techniques

[2] https://analyticsindiamag.com/landing-ais-ai-enabled-social-distancing-detection-tool/

**Guide’s Remark**

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Signature: Project Guide: Prof Uma Goradiya

Team Member 1: Isha Gupta

Team Member 2: Shivang Srivastava

Team Member 3: Gaurav Upadhyay

**MAJOR PROJECT WORK PROGRESS**

**Bachelor in Engineering in Computer Engineering**

**(AY - 2020-2021)**

**SEMESTER: VII WEEK NO: 6**

**DATE FROM:7/09/20 TO: 14/09/20**

**PROJECT PHASE: 1st Stage Presentation**

**SUMMARY OF PROGRESS ACHIEVED**

We presented our project to our mentor and review committee. We explained why we selected this particular project and we also shared details about the project requirements and showed our proposed system and its architecture and our plan on how we are planning to implement it.

**References**

[1] https://ieeexplore.ieee.org/document/9138385

[2] https://ieeexplore.ieee.org/document/9204934

[3] https://www.pyimagesearch.com/2020/06/01/opencv-social-distancing-detector/

[4] https://www.researchgate.net/

**Guide’s Remark**

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Signature: Project Guide: Prof Uma Goradiya

Team Member 1: Isha Gupta

Team Member 2: Shivang Srivastava

Team Member 3: Gaurav Upadhyay

**MAJOR PROJECT WORK PROGRESS**

**Bachelor in Engineering in Computer Engineering**

**(AY - 2020-2021)**

**SEMESTER: VII WEEK NO: 7**

**DATE FROM:14/09/20 TO: 21/09/20**

**PROJECT PHASE: Design Documentation**

**SUMMARY OF PROGRESS ACHIEVED**

In this phase we combined all information like software required, specification and synopsis report. We also added various system requirements such as software, functional and non-functional requirements, literature review which we got from previous weeks. We researched for the steps and started the coding part too side by side.

**References**

[1] https://ieeexplore.ieee.org/document/9138385

[2] https://ieeexplore.ieee.org/document/9204934

[3] https://www.pyimagesearch.com/2020/06/01/opencv-social-distancing-detector/

[4] https://www.researchgate.net/

**Guide’s Remark**

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Signature: Project Guide: Prof Uma Goradiya

Team Member 1: Isha Gupta

Team Member 2: Shivang Srivastava

Team Member 3: Gaurav Upadhyay

**MAJOR PROJECT WORK PROGRESS**

**Bachelor in Engineering in Computer Engineering**

**(AY - 2020-2021)**

**SEMESTER: VII WEEK NO: 8**

**DATE FROM: 21/09/20 TO: 28/09/20**

**PROJECT PHASE: Design Documentation**

**SUMMARY OF PROGRESS ACHIEVED**

This week we continued our work on design documentation in which we decided to make the second presentation which will consist of the proposed system and algorithm that we were planning to use for our project. Since image processing concept is used in thee project we started learning about how to use OpenCv and Yolo object detection.

**References**

[1] https://www.canva.com

[2] https://ieeexplore.ieee.org/document/9204934

[3] https://www.pyimagesearch.com

[4] https://www.researchgate.net/

**Guide’s Remark**

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Signature: Project Guide: Prof Uma Goradiya

Team Member 1: Isha Gupta

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**MAJOR PROJECT WORK PROGRESS**

**Bachelor in Engineering in Computer Engineering**

**(AY - 2020-2021)**

**SEMESTER: VII WEEK NO: 9**

**DATE FROM: 28/09/20 TO: 5/10/20**

**PROJECT PHASE: Implementation**

**SUMMARY OF PROGRESS ACHIEVED**

This week we started with our project implementation. Since the implementation required knowledge about Opencv and Yolo object detection we began with yolo detection which was related to our project to detect the pedestrian.This week had many issues since the software were causing a lot of issues and we had to manually download the modules of python to use it.

**References**

1. https://en.wikipedia.org/
2. https://www.youtube.com/

[3] https://www.researchgate.net/

[4]https://www.pyimagesearch.com/

**Guide’s Remark**

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Signature: Project Guide: Prof Uma Goradiya

Team Member 1: Isha Gupta

Team Member 2: Shivang Srivastava

Team Member 3: Gaurav Upadhyay

**MAJOR PROJECT WORK PROGRESS**

**Bachelor in Engineering in Computer Engineering**

**(AY - 2020-2021)**

**SEMESTER: VII WEEK NO: 10**

**DATE FROM: 5/10/20 TO: 12/10/20**

**PROJECT PHASE: 2nd Stage Presentation**

**SUMMARY OF PROGRESS ACHIEVED**

We presented our second stage presentation this week. Here we shared details about the work that we have done so far, about remaining work,and our planning for the next semester with our guide.How we will try to upgrade our project even more how we can try to make it more effective.

**References**

[1] https://www.canva.com

[2] https://www.researchgate.net/

**Guide’s Remark**

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Signature: Project Guide: Prof Uma Goradiya

Team Member 1: Isha Gupta

Team Member 2: Shivang Srivastava

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**MAJOR PROJECT WORK PROGRESS**

**Bachelor in Engineering in Computer Engineering**

**(AY - 2020-2021)**

**SEMESTER: VII WEEK NO: 11**

**DATE FROM: 12/10/20 TO: 19/10/20**

**PROJECT PHASE: Log Report**

**SUMMARY OF PROGRESS ACHIEVED**

This week, we started completing the weekly log report to make sure that we don’t miss anything. We provided detailed information about all our weekly work. This log report consists of a list of work such as making of Software requirement specification, design documentation and presentation. In this log report we have mentioned all resources that we are using.

**References**

[1] https://en.wikipedia.org/

[2] https://www.researchgate.net/

[3] https://docs.google.com/

**Guide’s Remark**

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Signature: Project Guide: Prof Uma Goradiya

Team Member 1: Isha Gupta

Team Member 2: Shivang Srivastava

Team Member 3: Gaurav Upadhyay

**MAJOR PROJECT WORK PROGRESS**

**Bachelor in Engineering in Computer Engineering**

**(AY - 2020-2021)**

**SEMESTER: VII WEEK NO: 12**

**DATE FROM: 19/10/20 TO: 26/10/20**

**PROJECT PHASE: Finalization of Project Report and Log report and final presentation.**

**SUMMARY OF PROGRESS ACHIEVED**

This week we completed the final presentation. In that presentation we presented all necessary information about our proposed system. In this presentation we provided detailed explanation about the project and everything that we have done so far and what we are planning to do in the future.

**References**

1. https://www.canva.com/

[2] https://www.researchgate.net/

[3]https://www.pyimagesearch.com/

**Guide’s Remark**

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Signature: Project Guide: Prof Uma Goradiya

Team Member 1: Isha Gupta

Team Member 2: Shivang Srivastava

Team Member 3: Gaurav Upadhyay

**EXAMINER'S FEEDBACK FORM**

**Name of External examiner:**

**College of External examiner:**

**Name of Internal examiner:**

**Date of Examination: / /**

**No. of students in project team: 03**

**Availability of separate lab for the project**: Yes / No

**Student Performance Analysis** (Put Tick as per your Observation)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Excellent (3) Very Good (2) Good (1)** | | | | |
| **Sr. No.** | **Observations** | **(3)** | **(2)** | **(1)** |
| 1 | Quality of problem and Clarity |  |  |  |
| 2 | Innovativeness in solutions |  |  |  |
| 3 | Cost effectiveness and Societal impact |  |  |  |
| 4 | Full functioning of working model as per stated requirements |  |  |  |
| 5 | Effective use of skill sets |  |  |  |
| 6 | Effective use of standard engineering norms |  |  |  |
| 7 | Contribution of an individual’s as member or leader |  |  |  |
| 8 | Clarity in written and oral communication |  |  |  |
| 9 | Overall performance |  |  |  |

* Can a major project be required to add new objectives/ideas? ( Yes/ No)
* If yes, suggest new Innovative Technique/Idea/ objectives related to this project.

**Signature of External Examiner Signature of Internal Examiner**