**Annexure I**

1. **Project Statement:**
2. **Approximate duration (in hours) to complete the project** :
3. **Proposed Project In charge: Shivant Kumar Pandey**
4. **Team Members along with roll no’s:**
   1. **ASHISH KUMAR - 1811981075**
   2. **SHIVANT KUMAR PANDEY - 1811981296**
   3. **NARAYAN SINGLA -1811981197**
   4. **GURUCHARAN MARPU - 1811981135**
   5. **RIYA PANHOTRA - 1811981262**
5. **Check Points:**
6. Does the project statement result in a product? If yes, what type of product?
7. If it is a product, can a prototype be made, if not, what is it, which we can produce that our teachers can evaluate.
8. Does the project statement use multiple concepts to achieve the outcome? (yes/no)
9. Does it have enough for our team members to do sufficient amount of work? (yes / no)
10. **Technical Nodes** (*add more rows in the table below, if required)*

|  |  |
| --- | --- |
| Subject / Area / Topic | Technical Nodes |
| Frontend |  |
| Backend |  |

1. **Prerequisites (in terms of knowledge, concepts and material) for doing the Project:**
2. **Material that may be required to make the project and where it might be available**
3. **What could be the total cost of the project? NILL**
4. **Resources available to us:**

**Annexure II**

**PROJECT SYNOPSIS REPORT**

**ON**

**MUSICHOSTER**

**SUBMITTED**

**TO**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**FOR**

**INTEGRATED PROJECT (CS203 )**

**Submitted By: Group-7**

**Name(s): ASHISH KUMAR, GURUCHARAN MAPARU, NARAYAN SINGLA, RIYA PANHOTRA, SHIVANT KUMAR PANDEY**

**University Roll No(s).: 1811981075,1811981135,1811981197,1811981262,1811981296**

**Semester: VI**

**Session: 2021-2022**

**Index**

|  |  |  |
| --- | --- | --- |
| **Sr. no** | **Topic** | **Page No** |
| 1 | Problem Statement |  |
| 2 | Title of project |  |
| 3 | Objective & Key Learning’s |  |
| 4 | Options available to execute the project |  |
| 5 | Advantages/ Disadvantages |  |
| 6 | References |  |

**Problem Statement**

Consider an unbounded (infinite) buffer where producer writes data to buffer and Consumer reads data from the buffer. There is a need to coordinate the activities of depositing and retrieval performed by producers and consumers respectively. Develop an application to provide a bounded-buffer solution to the client-server environment.

**Title of project:**

To develop a Bounded-buffer solution for client-server environment.

**Objective & Key Learnings:**

* To enable the students to understand the concept of sharing of data between client and server machine without loss of any information.
* To ensure that the producer won't try to add data into the buffer if it's full and that the consumer won't try to remove data from an empty buffer.

**REFERENCES**

[1] Krit Somkantha, Nipon Theera-Umpo, “Boundary Detection in Medical Images Using Edge Following Algorithm Based on Intensity Gradient and Texture Gradient Features”.

[2] H.Chidiac, D.Ziou, “Classification of Image Edges”,Vision Interface’99, Troise-Rivieres, Canada, 1999.pp. 17-24.

[3] Q.Ji, R.M.Haralick, “Quantitative Evaluation of Edge Detectors using the Minimum Kernel Variance Criterion”, ICIP 99. IEEE International Conference on Image Processing

volume: 2, 1999, pp.705-709

[4] M.Woodhall, C.Linquist, “ New Edge Detection Algorithms Based on Adaptive Estimation Filters”, Conference Record of the 31st Asilomar IEEE Conference on Signals

Systems & Computers, volume: 2, 1997, pp. 1695-1699

[5] C. Harris and M.J. Stephens. A combined corner and edge detector. In Alvey Vision Conference, pages 147–152, 1988.

[6] C. Schmid, R. Mohr, and C. Bauckhage. Evaluation of interest point detectors. International Journal of Computer Vision, 37(2):151–172, June 2000.

[7] Thomas B. Moeslund. Image and Video Processing. August 2008.