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# **PROJECT CHARTER**

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| 1. General Project Information | | | | | | | | |
| Project Name: | | | Library Seat Availability Checking System | | | | | |
| Executive Sponsors: | | | Northeastern University | | | | | |
| Impact of project: | | |  | | | | | |
| 2. Project Team | | | | | | | | |
|  | | **Name** | | **Department** | | **Telephone** | **E-mail** | |
| Team Members: | | Agarwal, Vedant | | COE | | 617-412-8195 | agarwal.ve@northeastern.edu | |
| Team Members: | | Parikh, Karan | | COE | | 857-302-9901 | parikh.kara@northeastern.edu | |
| **Team Members:** | | Thakur, Shiv | | COE | | 857-205-3333 | thakur.shiv@northeastern.edu | |
| **Team Members:** | | Venkataraman, Vijayakumar | | COE | | 206-941-6270 | [venkataraman.v@northeastern.edu](mailto:venkataraman.v@northeastern.edu) | |
| **Team Members:** | | Xie Zecheng | | COE | | 651-200-0359 | [xie.zec@northeastern.edu](mailto:xie.zec@northeastern.edu) | |
| 3. Project Scope Statement | | | | | | | | | |
| **Project Purpose / Business Justification** | | | | | | | | | |
| Students at Northeastern University often leverage the open spaces at the Snell Library to catch up on their homework, gain new knowledge, skills, and dispositions for learning and personal development they will use throughout their lives. The library improves student outcomes, brings information together, and connects readers and learners to their peers. The biggest issue facing students at the library is the lack of open seats to sit and study their material. This issue is prevalent at Northeastern University’s Snell Library. It normally takes about 15 minutes for an individual to search for free study space into a library on a busy day. Using this technology, it will be easy to locate available spaces in an efficient manner.    Our project’s goal is to create a technology that informs students looking for seats at the open spaces in the Snell library if a seat is available or not. This technology is a library seat availability checking (LSAC) system which can be leveraged by all Northeastern University student using the NUGO application. We aim to create an additional feature to the existing NUGO App that allows students to view the layout of the Snell library and show them where a seat is available. | | | | | | | | | |
| **Objectives** | | | | | | | | | |
| To become | | | | | | | | | |
| **Start and End Dates** | | | | | | | | | |
| The project starts on 07/01/2020 and ends on 02/26/2021 | | | | | | | | | |
| **Scope In**    The LSAC system will be introduced to only the open spaces in Snell library to ensure students get the latest information by checking the NUGO app either on mobile or the browser.  **Out of Scope**  The closed spaces, rooms and conference halls that require prior reservation are not in scope of our project. | | | | | | | | | |
| 4. Project Milestone | | | | | | | | | |
| Id | | Milestone Title | | | | Milestone Descriptions | | | Date of Completion (MM/DD/YYYY) |
| 1 | | Project Initiation Phase | | | | Defined objective and goal of the project, as well as team formation and role assignment. [Project launch meeting, define project objective, scope, and goals, team formation and role assignements] | | | 07/20/2020 |
| 2 | | Project Planning Phase | | | | Designed hardware implementation and installation as well as completion of project requirements and vendor evaluation [Evaluate current system, define system requirements, evaluate vendors, identify risks and develop a project plan report] | | | 09/09/2020 |
| 3 | | Project Execution Phase | | | | Designed the system, integrate hardware, develop and test system [Design and build system, design and build hardware, design and build software, conduct testing] | | | 01/17/2021 |
| 4 | | Project Closing Phase | | | | Control and manage the project rollout, and prepare final report | | | 02/26/2021 |
| 7. Notes | | | | | | | | | |
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