Beta Testing Document

for

SurakshIIT

**Version 2.0**

**Prepared by**

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| **Date:** | **22-04-22** |

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**Revisions**

| **Version** | **Primary Author(s)** | **Description of Version** | **Date Completed** |
| --- | --- | --- | --- |
| 1.0 | Dishay Mehta,Abhishek Pardhi,Samarth Arora,Ankur Kumar,Shashwat Gupta,Ananya Agarwal,Girik Maskara,Sarthak Kohli,Aayush Kumar,Aryan Vora | Version 1.0 Completed | 17/04/22 |
| 2.0 | Dishay Mehta,Abhishek Pardhi,Samarth Arora,Ankur Kumar,Shashwat Gupta,Ananya Agarwal,Girik Maskara,Sarthak Kohli,Aayush Kumar,Aryan Vora | Version 2.0 Completed  Bugs updated | 22/04/22 |

# Introduction

The software has been developed for easing and digitalizing the security functions for the IIT Kanpur campus. The current method is highly time-consuming and involves a lot of paperwork, this is error-prone and this should not be accepted as security is a very critical aspect.

# List of Reported Bugs

BUG 1: Photo Misaligned

Tested Feature: Profile Page

Tester Name: Aryan Vora

Testing Date: 15/04/22

Bug Details:

If no profile photo is uploaded during the registration, then the profile page displays the symbol for no image but this symbol is misplaced and aesthetically does not look good.

Bug Report Date: 15/04/22

The bug has been fixed.

Date of Bug fixing: 22/04/22

BUG 2: Error Message When UID Does Not Exist for Hall Entry, Lost Items, Found Items

Tested Feature: Hall Entry, Lost Items, Found Items

Tester Name: Aryan Vora

Testing Date: 15/04/22

Bug Details:

If we enter a UID which is currently not registered in the system, the error message is very vague. We should expect a clear error message stating that the UID does not exist. This causes confusion on the side of the user.

Bug Report Date: 15/04/22

The bug has been fixed.

Date of Bug fixing: 22/04/22

BUG 3: Can Enter Any Hall Using Any UID

Tested Feature: Hall Entry

Tester Name: Aryan Vora

Testing Date: 15/04/22

Bug Details:

Given that we have provided the address and room number during registration, there should be a check to ensure that the hall we are currently entering matches the hall of residence of the person we are visiting. However, this is currently not the case as we can enter Hall 1 using a UID of a person residing in Hall 6.

Bug Report Date: 15/04/22

The bug has been fixed.

Date of Bug fixing: 22/04/22

BUG 4: Multiple Entries Simultaneously

Tested Feature: Hall Entry

Tester Name: Aryan Vora

Testing Date: 15/04/22

Bug Details:

A person can enter a different hall without exiting from the previous hall. This should ideally not be possible as a person must exit from the previous hall before entering any other hall.

Bug Report Date: 15/04/22

The bug has been fixed.

Date of Bug fixing: 22/04/22

BUG 5: Hall Entry Of Student Who Is Not In Campus

Tested Feature: Hall Entry/ Campus Exit

Tester Name: Aryan Vora

Testing Date: 15/04/22

Bug Details:

A student who has exit from the campus through the portal can still enter his/her details in the hall entry/exit portal and be allowed to visit the hall. This seems illogical as a person not in the campus should be denied entry in halls.

Bug Report Date: 15/04/22

The bug has been fixed.

Date of Bug fixing: 22/04/22

BUG 6: Empty Fields In Forms Get Submitted

Tested Feature: Campus Non-Residents Entry

Tester Name: Aryan Vora

Testing Date: 15/04/22

Bug Details:

The form for campus non-residents entry gets submitted without any errors even if the ID Card Number field is left blank, this is a fatal flaw as the ID Card is the only identification of campus non-residents and is required by the security to keep track of them.

Bug Report Date: 15/04/22

The bug has been fixed.

Date of Bug fixing: 22/04/22

BUG 7: Logout

Tested Feature: Profile Page

Tester Name: Aryan Vora

Testing Date: 15/04/22

Bug Details:

Logout Button does not work in one click and requires multiple clicks.

Bug Report Date: 15/04/22

The bug has not been fixed as of yet.

Date of Bug fixing: N/A

# Overall Quality of the Software

The software works well but a major drawback is that it hasn’t been hosted on a server yet. This makes it very difficult for users to set up the software on their local devices particularly due to dependency issues.

The user may not accept the software in its current form due to two main issues:

* The website is not hosted on a server yet.
* The website does not have a feature for allowing students to see any requests put forth by them. Students are currently unable to see what items they have Lost and put a request for, nor can they see details of any campus non-residents who have accompanied them.

The software satisfies all the major functional requirements that were stated.

Not all non-functional requirements could be tested as the software is not hosted on a server. We could not test the website on devices other than a laptop. Also, we could not test the storage requirements which were stated to manage approximately 10,000 profiles at a time.

**Appendix A - Group Log**

14-04-22: Aryan met with Udit to discuss issues on running surakshIIT on local device.

14-04-22: Aryan, Samarth, and Sarthak tried running surakshIIT on their local devices.

15-04-22: Aryan finished Beta-Testing.

22-04-22: Aryan filled in updates on Bug fixes.