Contributions:
The MadeEasy team has put full dedication and hard work towards the successful completion of the project within deadline.

The contributors of the project are as follows:

1.Fionna Immaculate.A (106122005)
Key contributions: Full-stack development, encompassing both front-end and back-end responsibilities, SRS document, Prototype Designing.

2.Reethikka.S.S (106122100)
Key contributions: UML Diagrams, SRS document, System Design, User manual and other documents.

3.Tharun.S (106122128)
Key contributions:System Design, Data Flow Diagram, Front-end, Testing documents.

4.Vishwa.S (106122138)
Key contributions:SRS document, Front-end, Testing documents.

Takeaways:
The web development project required a good knowledge of HTML,JavaScript,CSS for front end and api's and database for back end.
All team members had a basic knowledge about the front end development (hence React was avoided) and each of us explored a different technology for backend. We explored MERN (Mongodb, Express, React, Node Js) and PHP (SQL) for back end development. Ultimately we are still learning them and we have used JavaScript, C# api's along with the SQL database for the project.
The system design for the project required a good knowledge of Object Oriented Programming concepts and C++ language was chosen as all the team members were comfortable with it.
We learned to use diagramming applications like Lucidchart,Visual Paradigm for making UML diagrams,class diagrams,use case diagrams and context level diagrams .

We learned how to develop software in a disciplined fashion and the technologies needed for the development.We understood that software engineering is not just coding and it is actually a lot more than that.

Acknowledgements:
We would like to express our gratitude towards our Software Engineering professor Dr.Oswald for giving us an opportunity to work on this web development project and for his constant support throughout the project.
We thank the guest house faculties for providing us with their requirements.
We would also like to thank all the students who were interviewed for requirements gathering.
We thank NITT for providing a holistic learning platform.

Conclusion:
StayHub is a guest house management portal for users to seamlessly book rooms in NITT. It benefits the user and the authorizer immensely.
The website eliminates the need for a physical guest house booking form and the presence of the user at the guest house to check the availability of rooms.
We the MadeEasy team have contributed for the development of the website ensuring that most of the requirements of the stakeholders have been met.

Future scope:
Though StayHub benefits students and staff, its role in reducing the burden of the guest house incharge is less. The website doesn’t provide any means to record the room occupancy and guest record for individual calendar dates.
The website also lacks a payment interface.
Both these issues will be duly addressed by the MadeEasy team and provided in the next increment of the website.

References:

1.Intelligent Diagramming | Lucidchart
2.Visual Paradigm - Online Productivity Suite (visual-paradigm.com)
3.How to Write a Software User Manual: The Ultimate Guide (herothemes.com)
4.Software engineering course materials provided by Oswald sir.