

NATIONAL INSTITUTE OF TECHNOLOGY,
TIRUCHIRAPALLI

StudentTracker

NITT

by XYZ

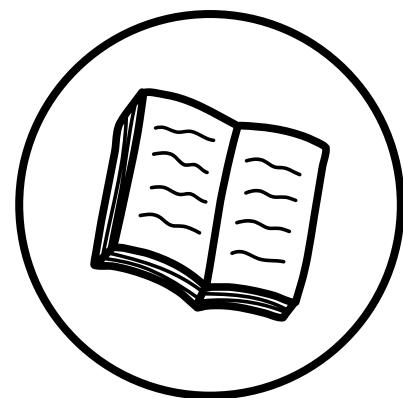
Team:- Ameya, Aditya, Gautam & Tanush

Overview

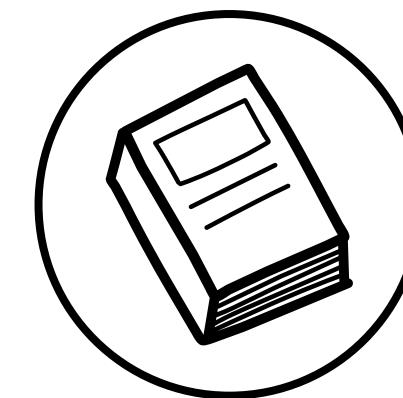
- Project Objectives
- Design and Planning
- Implementation
- Acknowledgement
- References
- Conclusion



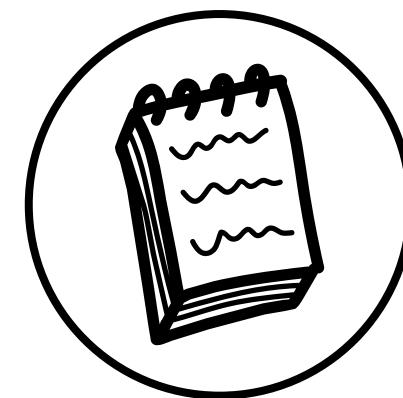
Project objectives



Providing an efficient way for students to keep track of their subject-wise attendance as and when required.



Allows teachers to manage student attendances in a convenient and hassle-free manner, eliminating the need for unnecessary paperwork.



Allows administrators to assign teachers and students to appropriate courses and create user profiles.



DESIGN AND PLANNING

System Design

TOOLS USED:
VS CODE, GITHUB
LANGUAGE USED-
C++

[CLICK](#)

Interface Design

TOOLS USED: FIGMA

[CLICK](#)

Application Design

TOOLS USED:
ANDROID STUDIO FOR
APP DEVELOPMENT,
GOOGLE FIREBASE AS
SERVERLESS BACKEND

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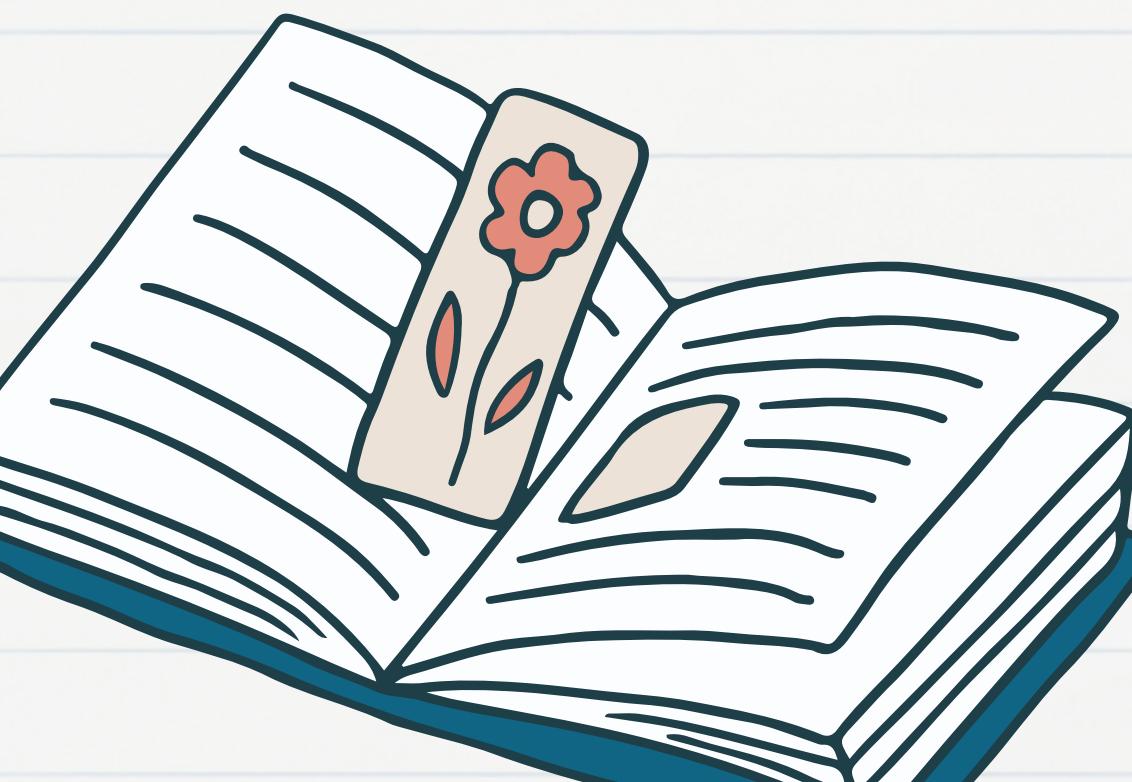


MAIN REPOSITORY

TEAM XYZ

TOOLS USED: GITHUB

CLICK



IMPLEMENTATION

CLASS DIAGRAM

TOOLS USED: LUCID CHART
AND DIAGRAM.IO

CLICK

USE CASE DIAGRAM

TOOLS USED: LUCID CHART
AND DIAGRAM.IO

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ACTIVITY DIAGRAM

TOOLS USED: FIGMA

CLICK

DATA FLOW DIAGRAM

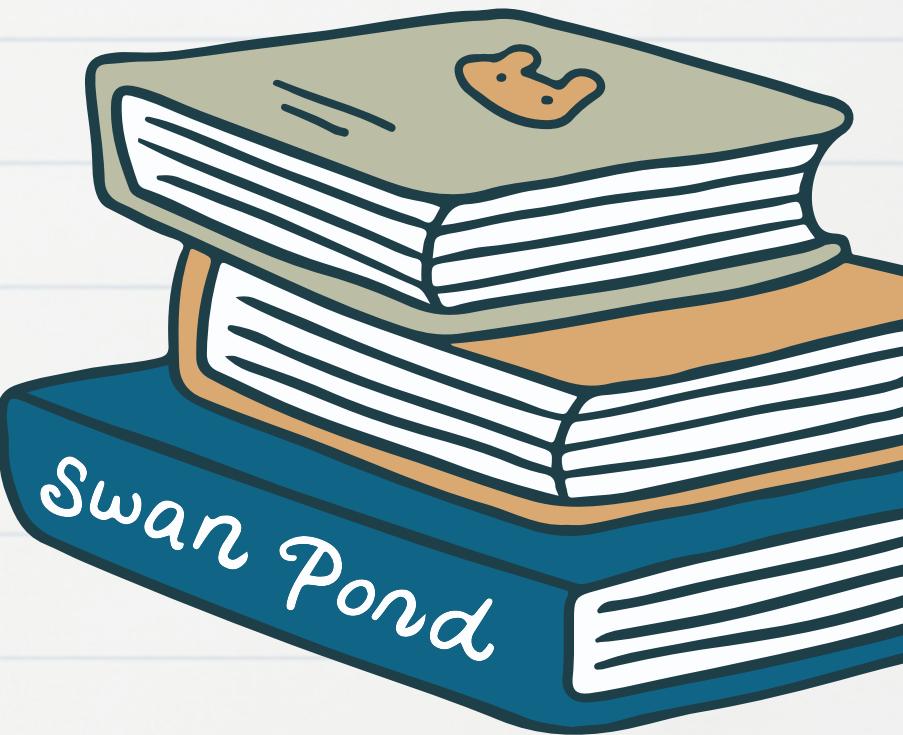
TOOLS USED: FIGJAM
BOARD

CLICK

SRS

TOOLS USED: GOOGLE DOCS
AND MS WORD

CLICK



IMPLEMENTATION



REQUIREMENT ELICITATION MATRIX

TOOLS USED: MICROSOFT
EXCEL

[CLICK](#)

TEST DOCUMENT

TOOLS USED: MARKDOWN

[CLICK](#)

USER MANUAL

TOOLS USED: GOOGLE DOCS

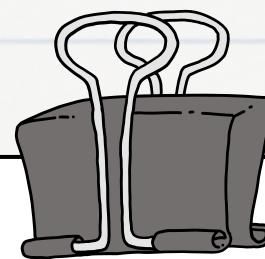
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TIMELINE CHART

TOOLS USED:
MICROSOFT EXCEL

[CLICK](#)

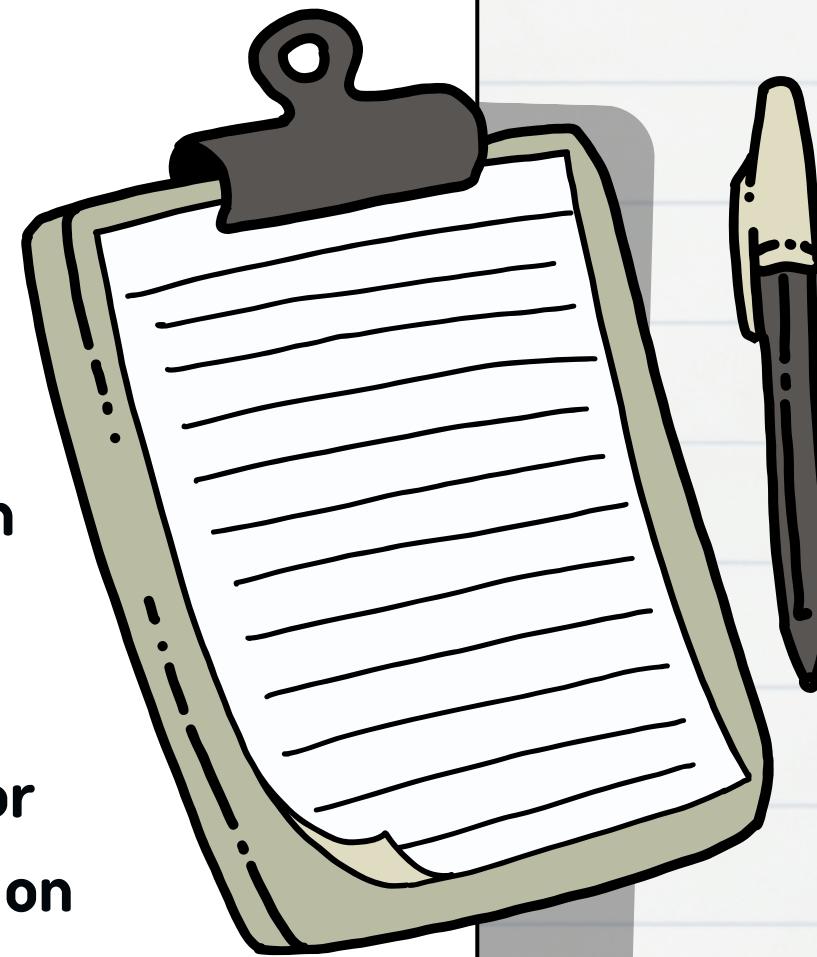




Acknowledgement

We would like to express our sincere appreciation to Dr. Oswald for his invaluable insights and clear explanations during our classes. His dedication to ensuring that we grasp complex concepts has been exceptional. We are grateful for his commitment to our learning, which has significantly enhanced our understanding and appreciation of the subject. His passion for teaching and willingness to go above and beyond have had a lasting impact on our academic journey.

We would also like to acknowledge the contributions of our teammates who worked alongside us on the software engineering project. Their collaboration, creativity, and teamwork have been instrumental in making this project a success. We're grateful for their support and the shared learning experiences that have enriched our studies.



References

- R. S. Pressman, “Software Engineering: A Practitioners Approach”,
Seventh Edition, McGraw Hill, 2010.
- Course Materials
- Android Development Official Docs
- Tutorialspoint.com



Conclusion

An efficient Attendance Management Application (StudentTracker NITT) has been implemented, in accordance with the principles of software engineering, along with a comprehensive documentation, including the Software Requirements Specification Document(SRS), UML Diagrams, User Manual, System Design, and appropriate testing.



THANK YOU!

