

ANNEXURE II : WEEKLY REPORT

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Weekly Report 2023-27 Batch

Weekly Report No. : 11

Personal Details :

Date : **From:** 18-08-25 **To:** 19-08-25

Name of the Student : Husain Hakim

Roll No. : 150096723027 Program & Batch: B.Tech CSE - 23-27

Name of the Organisation : Let's Upgrade

(New to the company got assigned a project to complete)

Target/Tasks Assigned :

- Perform R&D to understand the working of popular URL shorteners.
- Implement the basic URL shortening functionality
- Add a redirect mechanism so that shortened URLs correctly map back to the original link.
- Provide an enable/disable feature for URLs to control accessibility. Add a redirect mechanism so that shortened URLs correctly map back to the original link.

Target/Tasks Achieved :

- Completed R&D and studied how hashing/encoding techniques can generate unique shortened URLs.
- Built the core logic to shorten URLs and redirect users to the original link.

- Added an enable/disable toggle for each URL, ensuring better control and management.

Takeaways and learnings :

- Understood the fundamental architecture behind URL shorteners.
- Learned about efficient mapping of long URLs to short codes.
- Gained practical knowledge in building basic web features like redirection and status toggling.

Thank You !