

LOG BOOK (2024-25)

MAJOR PROJECT (18CSP109 L)

PROJECT TITLE:

DDOS Protection System for Cloud :
Architecture and Tool .

BATCH: NW000156

PANEL: 06

SDG: 9

11th November (offline meet)

Purpose: (1) Discussion on project title
(2) Approach for Review O.
(3) Architecture & Methodologies

Shreyas

Student 1
(Shreyas)

Shreyas

Student 2
(Charvi)

S. AS

Student 3
(Shreya)

Balaji

Dr. Balaji Sukaanth P.
(NWE Supervisor)

Naresh

Dr. Nagendra Prabhu S.
(CINTEL Supervisor)

13th November (offline meet)

Purpose: (1) Review of architecture
(2) Literature Survey discussion
→ DDoS detection
→ ML based anomaly detection
→ AWS services of Auto-Scaling, LB & CloudWatch.

Feedback: (1) Prepare 2 presentations (Tech & non-tech)
(2) Include detailed research
(3) develop clear workflow for scenarios.

Draft

Student 1
(Shaurya)

Charif Jain

Student 2
(Charvi)

Final

Student 3
(Shourak)

Valley 1311

Dr. Balaji Srikaanth P.
(CIVIC Supervisor)

Ref

Dr. Nagendra Prabhu J.
(CIVIC Supervisor)

14th November (Offline meet)

Purpose: (1) Review O PPT
(2) Final Architecture

Feedback: (1) Refine architecture
(2) Include metrics for validation.

Student 1
(Shaanya)

Student 2
(Chawri)

Student 3
(Shounak)

Dr. Balaji Srikaanth P.
(NWC supervisor)

Dr. Nagendra Arabbi S.
(CINTEL supervisor)

21st November (Review O - NWE)

Purpose: Major Project Review O.

Outcome: Project title accepted.

Feedback: (1) Streamline implementation.

(2) Prioritize simulation & validation
in the next phase.



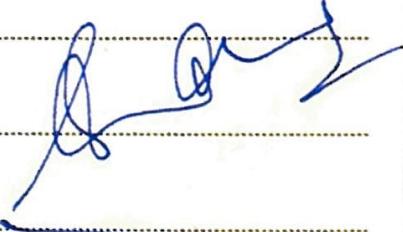
Student 1

(Shaurya)



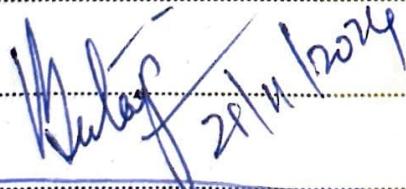
Student 2

(Chawri)



Student 3

(Shemak)



28/11/2024

Dr. Balaji Srikaanth P.
(NWE Supervisor)



Dr. Meghana Prabhakar S.
(CETEL Supervisor)

18th November (Review 0 - CNTCL)

Purpose: Major Project Review 0.

Outcome: Project title accepted.

Feedback: (1) focus on real-time monitoring metrics
(2) highlight novelty of isolation forest algo & AWS auto-scaling.

Shayya

Student 1

(Shayya)

Charvi Jain

Student 2

(Charvi)

Shounak

Student 3

(Shounak)

Ralf

Dr. Nagendra Prabhu S.
(CNTCL supervisor)

7th January (online meeting)

Purpose: (1) Review 1 discussion

(2) traffic simulation

(3) anomaly detection

(4) AWS integration

Feedback: (1) Ensure Isolation forest model is correctly setup & tested.

(2) Start AWS services integration

Shaft

Student 1

(Shaurya)

Charmain

Student 2

(Charmi)

Brij

Student 3

(Shounak)

What's the work

half

Dr. Balaji Srikaanth P.
(NWC Supervisor)

Dr. Nagendra Prabhu S.
(CINTEL supervisor)

24th January (online meet)

Purpose: (1) Progress of traffic simulation
(2) Implementation of anomaly detection

Feedback: (1) Refine traffic simulation to include diverse DDoS attack patterns.
(2) Improve feature selection.

Draft

Chanya

S. A. S

Student 1
(Shanya)

Student 2
(Shonak)

Student 3
(Charvi)

~~Velraj 20/11/2025~~

Dr. Balaji Sikaanth P.
(NWC supervisor)

~~Kalp~~
Dr. Nagendra Babu S.
(CINTER supervisor)

21st January (Online meet)

Purpose: (1) Review 1 PPT
(2) Initial implementation progress.

Feedback: (1) Include graphs & visualizations
(2) Prepare demo of AWS based auto-scaling
& load balancing features.
(3) Validate the isolation forest model's
performance.

Sharmya

Student 1
(Sharmya)

Charvi

Student 2
(Charvi)

Aayushi

Student 3
(Aayushi)

Balaji S. I.

Dr. Balaji S. I. Sankar P.
(Nvce Supervisor)

Nagendra Brathur S.

Dr. Nagendra Brathur S.
(CINTER Supervisor)

25th January (Review 1 - NWC)

Purpose : (1) NWC Review 1 with Panel 06

Feedback : (1) Enhance Robustness of anomaly detection
(2) Optimize AWS integration for scalability.

Outcome : Positive feedback & proceed further

Shanya

Student 1
(Shanya)

Charu Jain

Student 2
(Charu)

Shounak

Student 3
(Shounak)

Mukundan / work

Dr. Balaji Srikaanth P.
(NWC Supervisor)