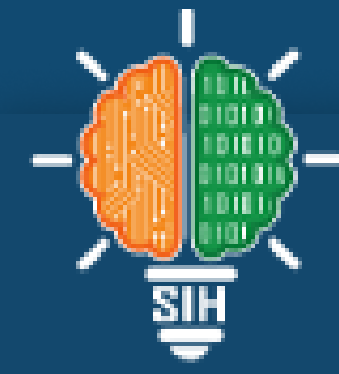




INDIAN INSTITUTE
OF INFORMATION
TECHNOLOGY, RANCHI



SMART INDIA
HACKATHON
2022

[Software Category]

Software for Categorization of cases

Organization - eCourts, Department of Justice, Ministry of Law & Justice

Problem Statement Code - AK1211

Team Name - TEAM STAIRCASE

Team Leader Name - Tushar Jain

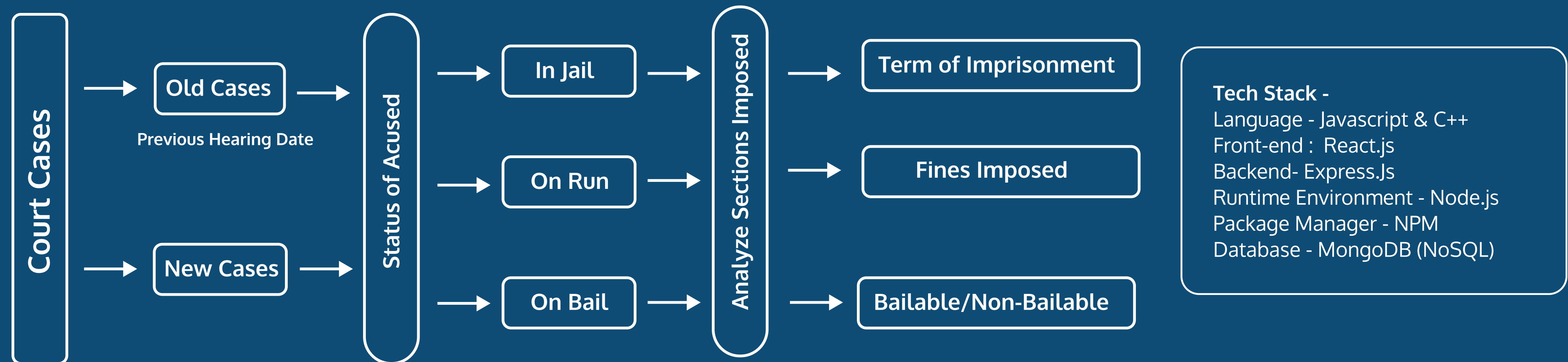
Institute Code (AISHE) - U-0840

Institute Name - Indian Institute of Information Technology, Ranchi

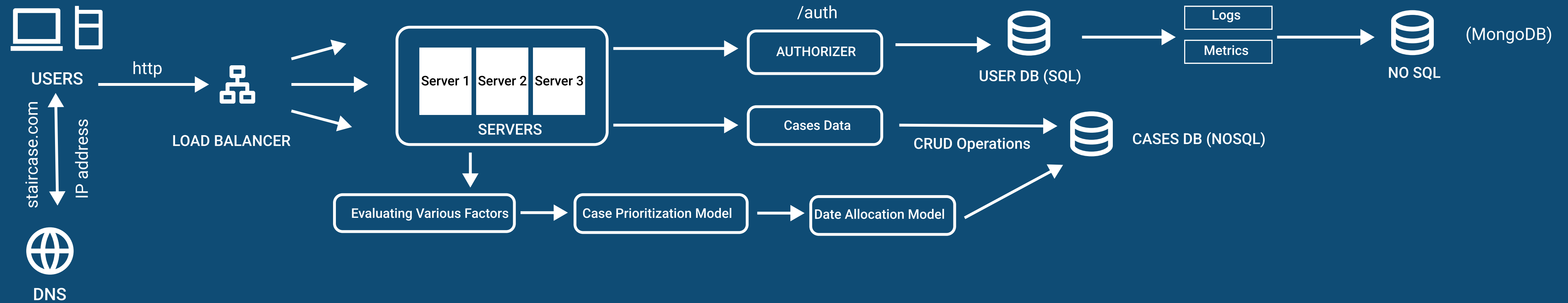
14th March, 2022

Idea/Approach Details

- The algorithm we have developed will help in prioritizing and allocation of dates to court cases
- System will consider various factors involved
- Factors - Accused Status, Severity of Section Involved, last hearing date & chargesheet date
- System proposes an optimal date by running out number of operations on the dataset



Solution Architecture



Use Cases

1. Utilizing judiciary resources in an efficient manner to hear cases having high priority
2. Proposing/Allocating optimal dates against absurd demand of lawyer
3. Minimize human involvement in allocation of hearing dates to court cases
4. Reduce impartiality and avoid stalling of cases

Dependencies

1. Chief Judge and Registrar can over rule the proposed date.
2. Cases data should be available in digital format

Team Member Details

1. Team Leader Name - Tushar Jain

- Branch - B.Tech
- Stream - CSE
- Year - III

2. Team Member 1 Name - Abhay Raj

- Branch - B.Tech
- Stream - CSE
- Year - III

3. Team Member 2 Name - Hrishika Agrawal

- Branch - B.Tech
- Stream - CSE
- Year - III

4. Team Member 3 Name - Suvigya Agrawal

- Branch - B.Tech
- Stream - CSE
- Year - III

5. Team Member 4 Name - Tushar Tiwary

- Branch - B.Tech
- Stream - CSE
- Year - III

6. Team Member 5 Name - Hari Om Yadav

- Branch - B.Tech
- Stream - CSE
- Year - III

91

hearings this week

11

cases need validation

11030

cases has priority high but
next proposed hearing date
> 1month

🔍 Search:

⋮

Case ID	Domain	Sections Involved	Accused Status	Last Hearing Date	System Proposed ...	Next Hearing Date	
1289	Violence	301,302	on Bail	12/08/2019	12/08/2019	06/10/2019	🔗
3242	Robbery	102,101	In Jail	02/01/2018	12/08/2019	12/08/2019	✖ ✔
4219	Mischief	426	on Run	12/08/2019	12/08/2019	12/08/2019	🔗
3219	Tresspass	447,448	on Bail	12/08/2019	12/08/2019	12/08/2019	🔗
3001	Violence	301,302	on Bail	12/08/2019	12/08/2019	12/08/2019	🔗
109	Forgery	465,466,468	In Jail	12/08/2019	2/01/2022	2/01/2022	🔗

Total rows: 6