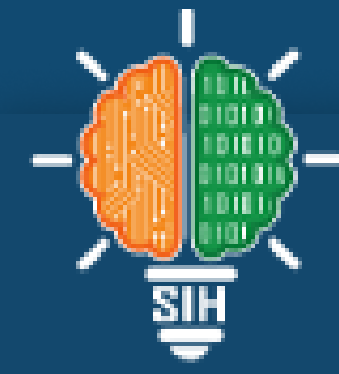




INDIAN INSTITUTE  
OF INFORMATION  
TECHNOLOGY, RANCHI



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

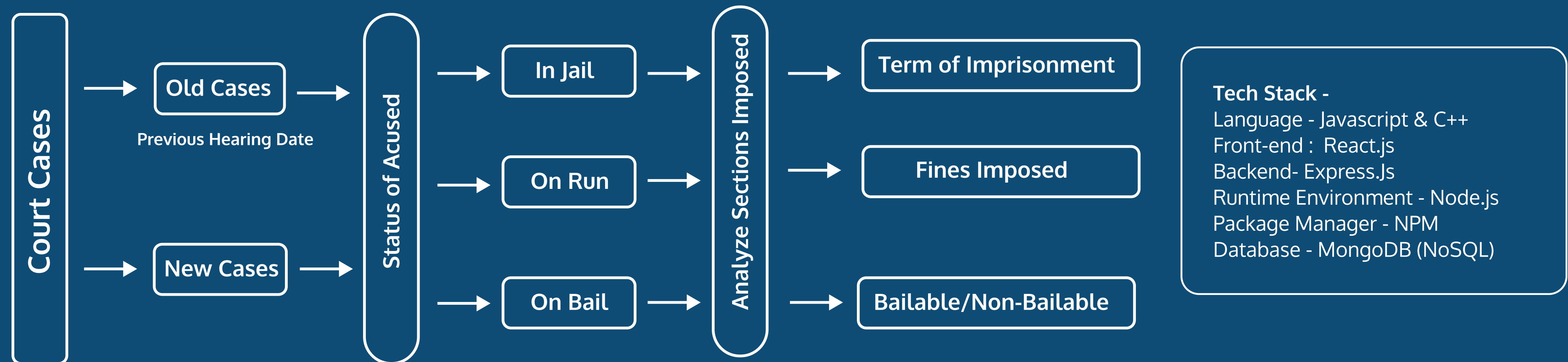
Institute Code (AISHE) - U-0840

Institute Name - Indian Institute of Information Technology, Ranchi

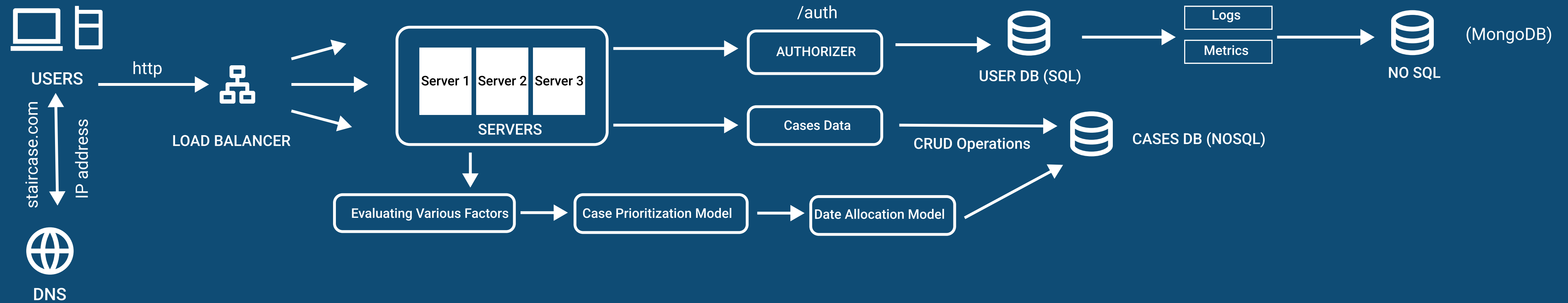
14th March, 2022

## 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

## 1. Team Mentor 1 Name - Mr Bharat Singh

- Category (Academic/Industry): Academic
- Expertise (AI/ML/Blockchain etc): CS
- Domain Experience (in years): 10

## 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

## 2. Team Mentor 2 Name - Mr Santosh Mahto

- Category (Academic/Industry)
- Expertise (AI/ML/Blockchain etc): Electronics & Communication
- Domain Experience (in years): 10

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	<a href="#">🔗</a>
3242	Robbery	102,101	In Jail	02/01/2018	12/08/2019	12/08/2019	<a href="#">✖</a> <a href="#">✔</a>
4219	Mischief	426	on Run	12/08/2019	12/08/2019	12/08/2019	<a href="#">🔗</a>
3219	Tresspass	447,448	on Bail	12/08/2019	12/08/2019	12/08/2019	<a href="#">🔗</a>
3001	Violence	301,302	on Bail	12/08/2019	12/08/2019	12/08/2019	<a href="#">🔗</a>
109	Forgery	465,466,468	In Jail	12/08/2019	2/01/2022	2/01/2022	<a href="#">🔗</a>

Total rows: 6