Final Deliverables

Web Based Analytics Using Cognos

Date	18th November 2022
Team ID	PNT2022TMID07721
Project Name	Analytics for Hospital's Health-Care Data

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Analytics for Hospital's Health Care Data

Being a developing country, India has gone through many issues especially during the pandemic period. The most unforgettable era for India is the second wave of the covid-19 pandemic. Data analytics in health care sector can help us to face any situations in the future

Get Started

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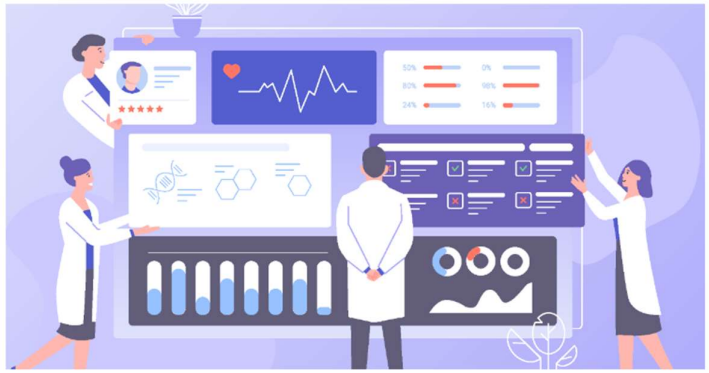
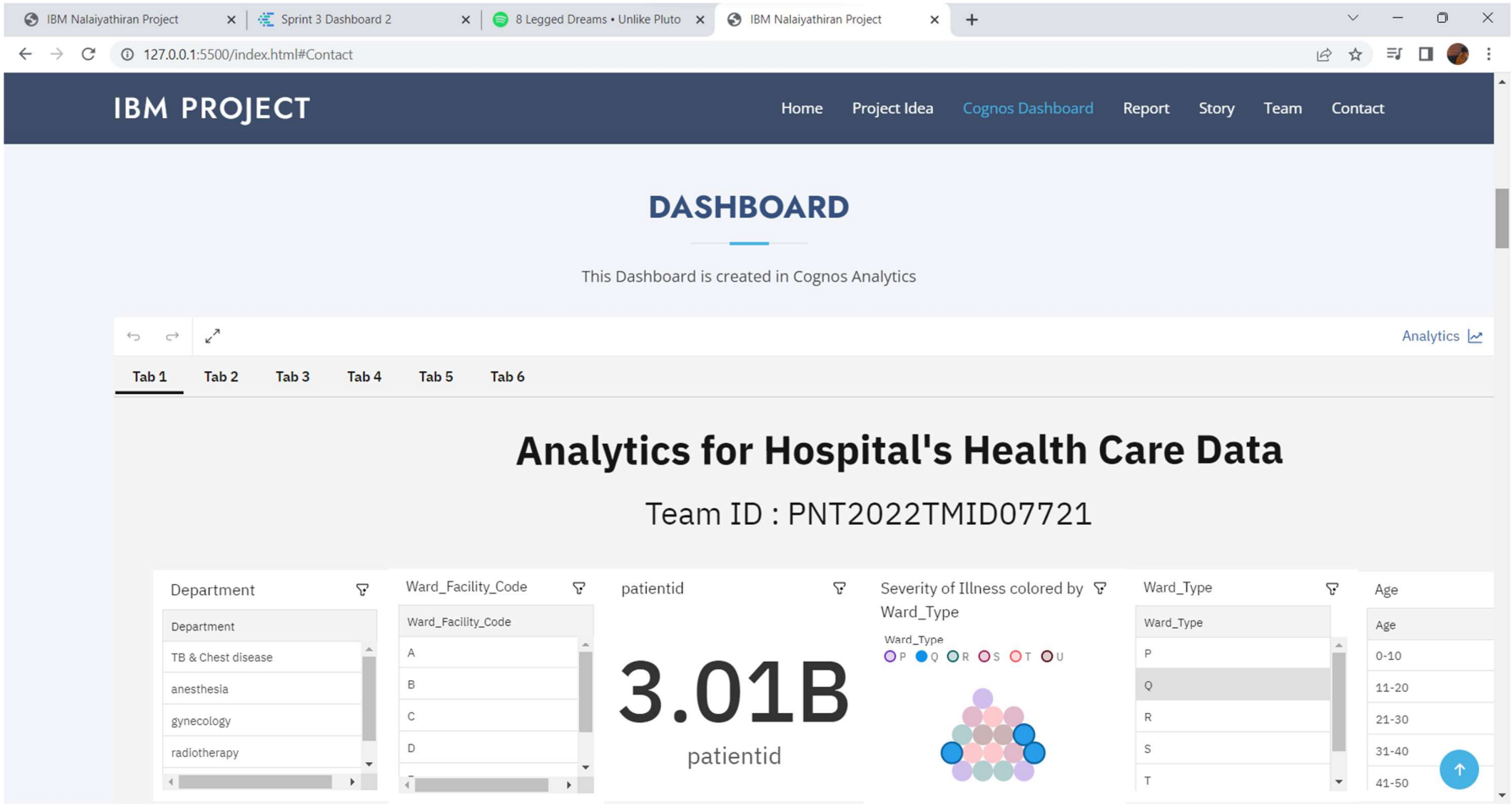
PROJECT IDEA

Main Idea of this Project is:

- Data Collection
- Data Cleaning
- Data Exploration
- Visualization
- Story Creation
- Prediction
- Report Creation



DASHBOARD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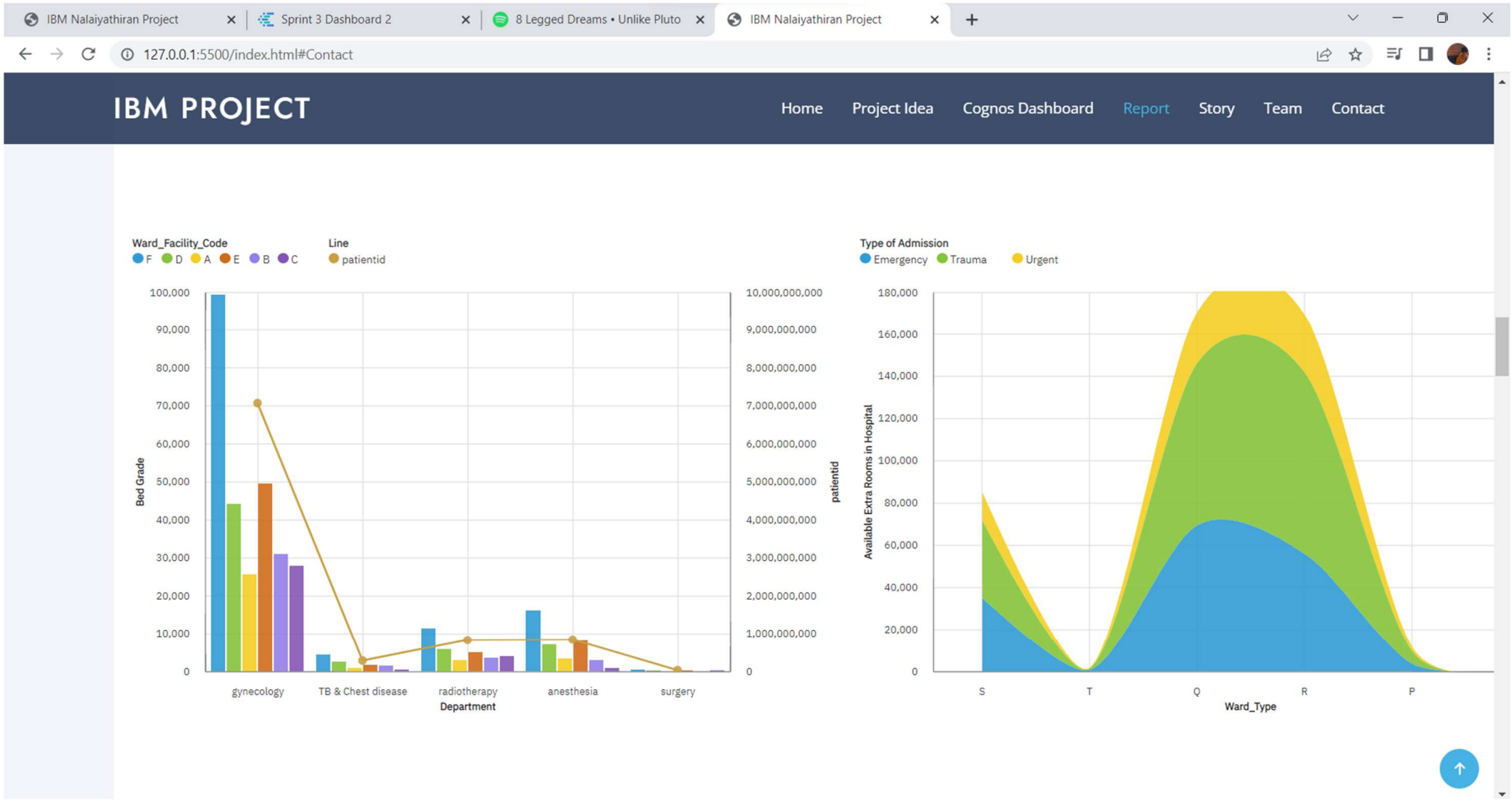
DASHBOARD
This Dashboard is created in Cognos Analytics
Analytics
Tab 1
Tab 2
Tab 3
Tab 4
Tab 5
Tab 6
Analytics for Hospital's Health Care Data
Team ID : PNT2022TMID07721
Department
Department
TB & Chest disease
anesthesia
gynecology
radiotherapy
Ward_Facility_Code
Ward_Facility_Code
A
B
C
D
patientid
3.01B
patientid
Severity of Illness colored by Ward_Type
Ward_Type
P Q R S T U
Ward_Type
Ward_Type
P
Q
R
S
T
Age
Age
0-10
11-20
21-30
31-40
41-50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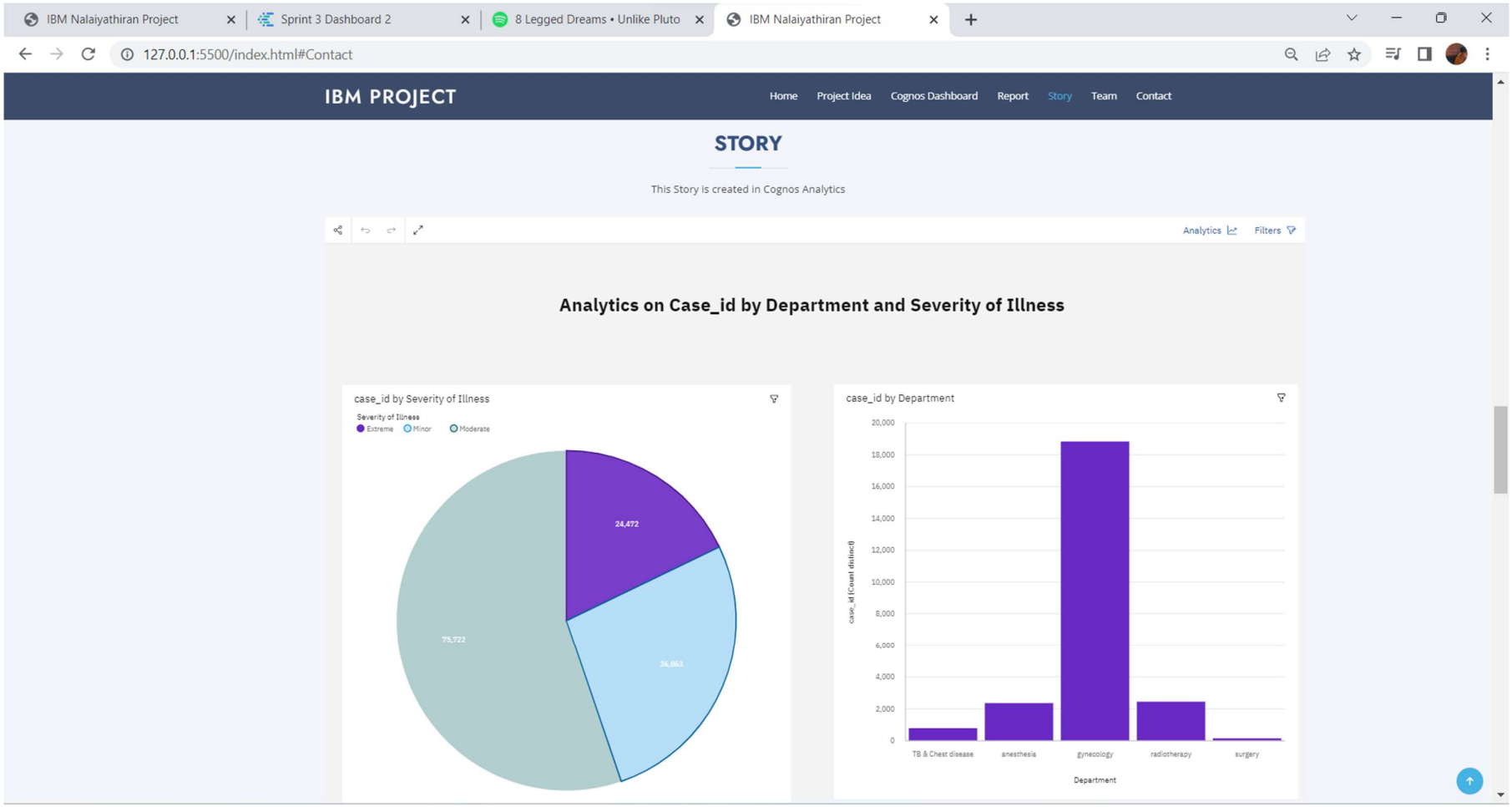
Ward_Facility_Code
F D A E B C
Line
patientid
Bed Grade
patientid
gynecology
TB & Chest disease
radiotherapy
anesthesia
surgery
Department
Type of Admission
Emergency Trauma Urgent
Available Extra Rooms in Hospital
S
T
Q
R
P
Ward_Type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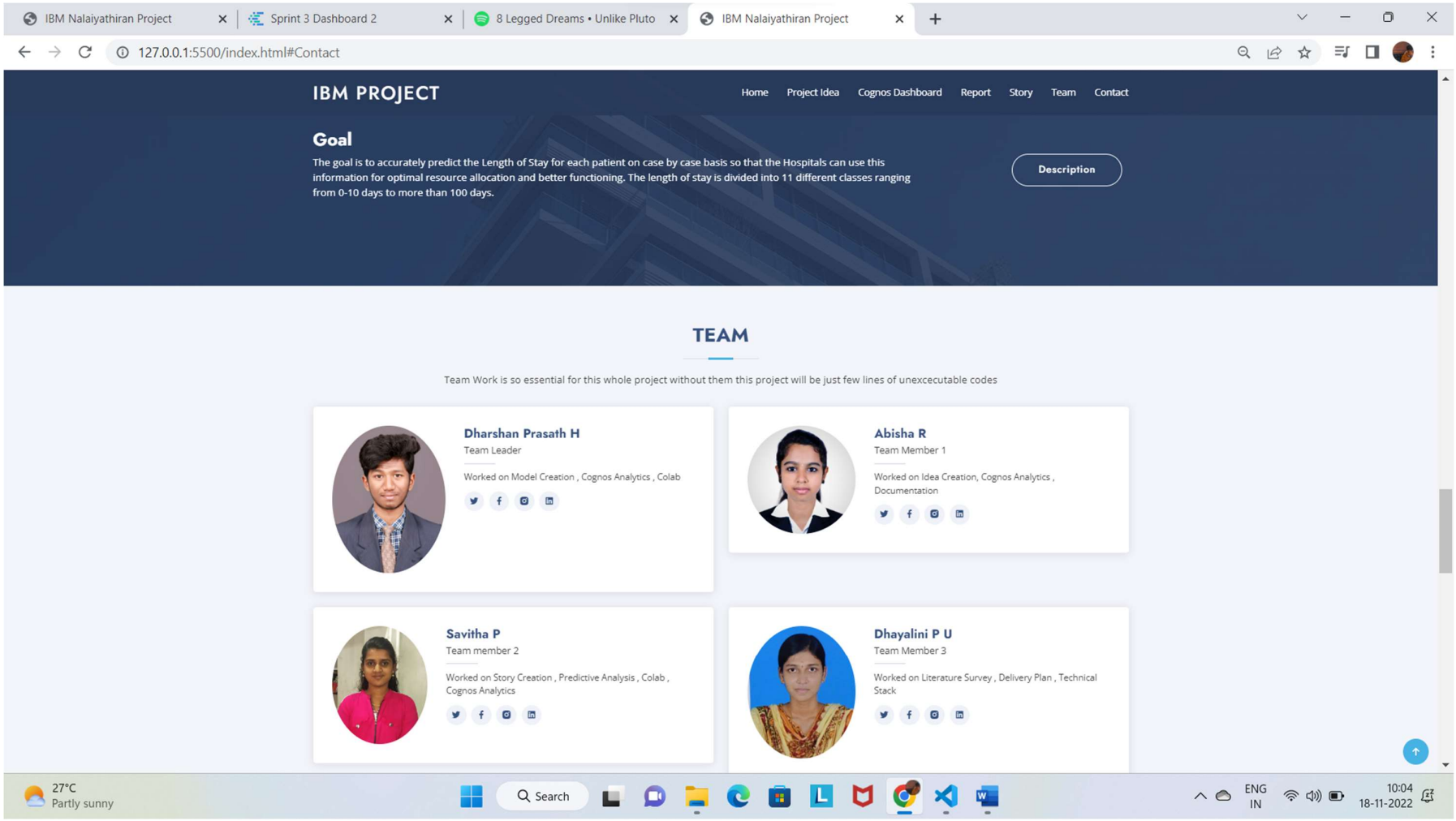
STORY
This Story is created in Cognos Analytics
Analytics
Filters
Analytics on Case_id by Department and Severity of Illness
case_id by Severity of Illness
Severity of Illness
Extreme
Minor
Moderate
24,472
36,863
75,722
case_id by Department
20,000
18,000
16,000
14,000
12,000
10,000
8,000
6,000
4,000
2,000
0
case_id (Count distinct)
TB & Chest disease
anesthesia
gynecology
radiotherapy
surgery
Department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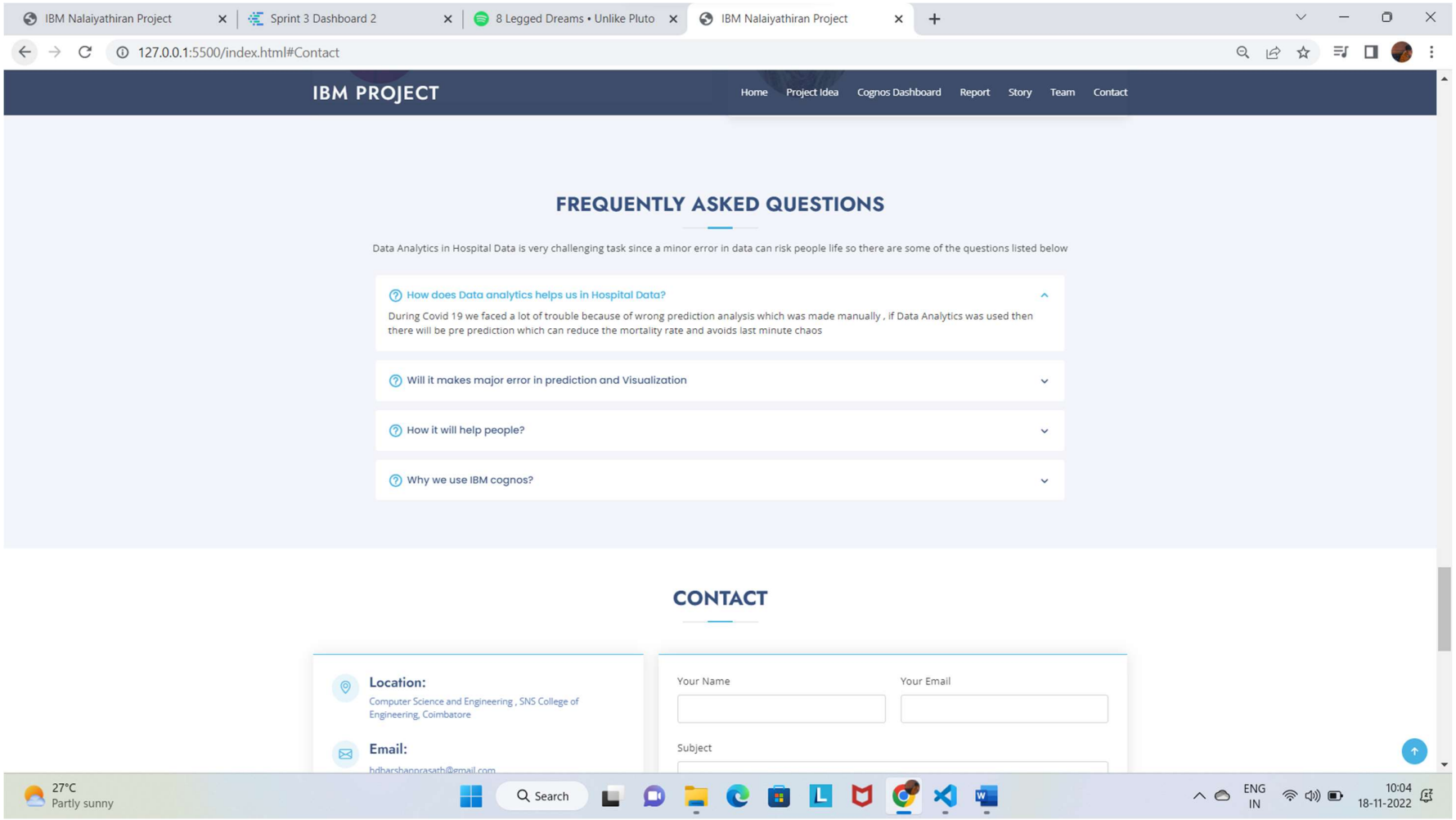
Goal
The goal is to accurately predict the Length of Stay for each patient on case by case basis so that the Hospitals can use this information for optimal resource allocation and better functioning. The length of stay is divided into 11 different classes ranging from 0-10 days to more than 100 days.
Description
TEAM
Team Work is so essential for this whole project without them this project will be just few lines of unexecutable codes
Dharshan Prasath H
Team Leader
Worked on Model Creation , Cognos Analytics , Colab
Abisha R
Team Member 1
Worked on Idea Creation, Cognos Analytics , Documentation
Savitha P
Team member 2
Worked on Story Creation , Predictive Analysis , Colab , Cognos Analytics
Dhayalini P U
Team Member 3
Worked on Literature Survey , Delivery Plan , Technical Stack
27°C
Partly sunny
Search
ENG
IN
10:04
18-11-2022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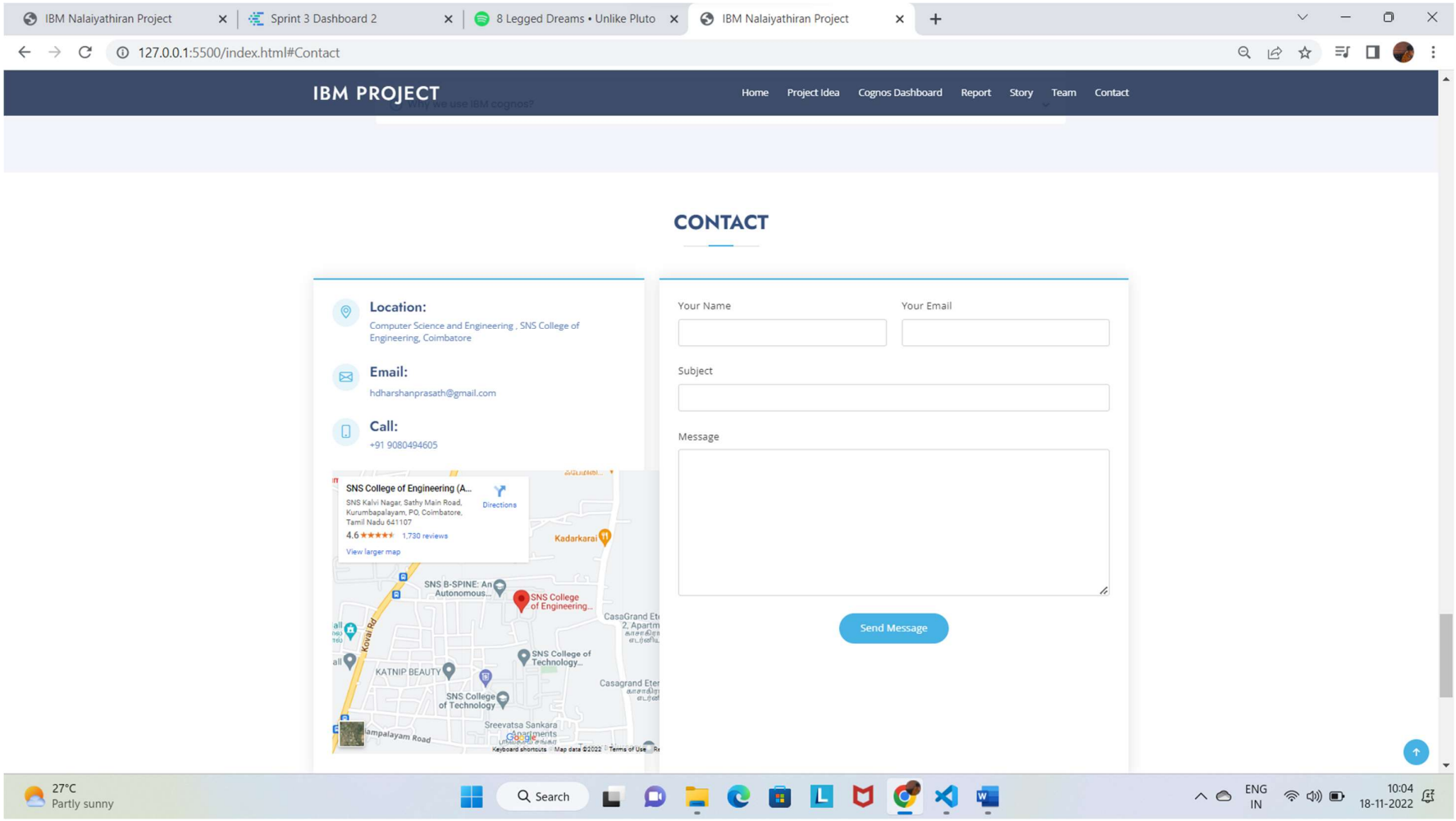
FREQUENTLY ASKED QUESTIONS
Data Analytics in Hospital Data is very challenging task since a minor error in data can risk people life so there are some of the questions listed below
How does Data analytics helps us in Hospital Data?
During Covid 19 we faced a lot of trouble because of wrong prediction analysis which was made manually , if Data Analytics was used then there will be pre prediction which can reduce the mortality rate and avoids last minute chaos
Will it makes major error in prediction and Visualization
How it will help people?
Why we use IBM cognos?
CONTACT
Location:
Computer Science and Engineering , SNS College of Engineering, Coimbatore
Email:
Your Name
Your Email
Subject
27°C
Partly sunny
Search
ENG
IN
10:04
18-11-2022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Call:
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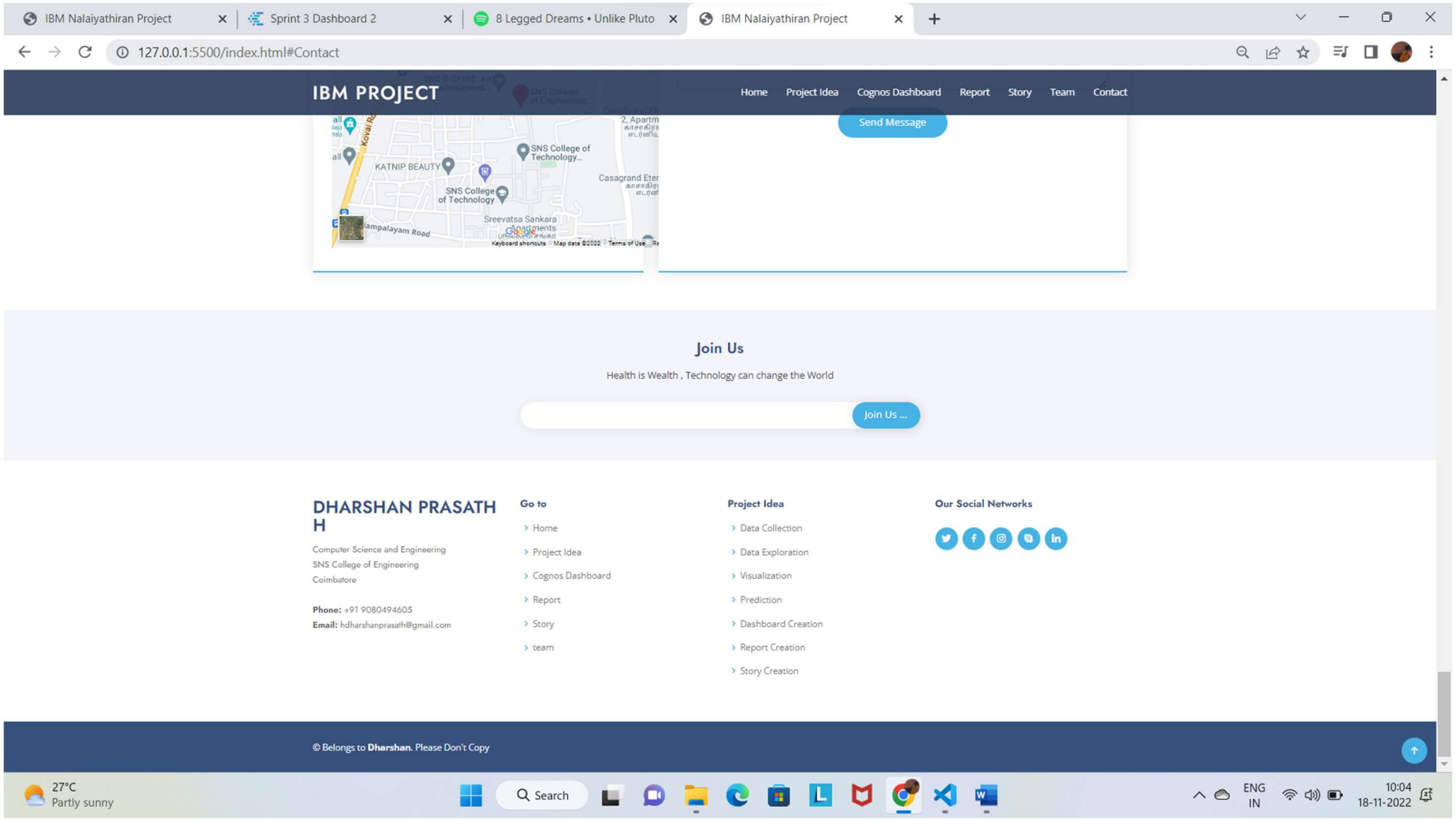
SNS Kalvi Nagar, Sathy Main Road, Kurumbapalayam, PO, Coimbatore, Tamil Nadu 641107
4.6 1,730 reviews
Directions
View larger map
Kadarkarai
SNS B-SPINE: An Autonomous...
SNS College of Engineering...
Kovai Rd
KATNIP BEAUTY
SNS College of Technology...
SNS College of Technology
Sreevatsa Sankara Apartments
Your Name
Your Email
Subject
Message
Send Message
27°C
Partly sunny
Search
ENG
IN
10:04
18-11-2022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Send Message
SNS College of Technology...
KATNIP BEAUTY
SNS College of Technology
Sreevatsa Sankara Apartments
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Health is Wealth , Technology can change the World
Join Us ...
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Phone: +91 9080494605
Email: hdharshanprasath@gmail.com
Go to
Home
Project Idea
Cognos Dashboard
Report
Story
team
Project Idea
Data Collection
Data Exploration
Visualization
Prediction
Dashboard Creation
Report Creation
Story Creation
Our Social Networks
© Belongs to Dharshan. Please Don't Copy
27°C
Partly sunny
Search
ENG
IN
10:04
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