

# JIRA Sprint Dashboard

Project: University Admit Eligibility Predictor

Team ID: PNT2022TMID35368

## i) Project Components

Projects / University Admit Eligibility Predictor

**Components** [Create component](#)

Component	Description	Component lead	Default assignee	Issues	
Web Application	A web app presented as a dashboard where user can view and understand different graphical visualizations pertaining to university admit data and view the percentage chances of acceptance given the candidates data.	KS Krishnan S	Component lead	1 issue	...
Performance Testing	Performance testing of the webapp and ML model	RV R. Vishnu Vasan	Component lead	2 issues	...
IBM Model Deployment	Deployment of the ML model in IBM cloud and accessing as a scorable endpoint.	RV R. Vishnu Vasan	Component lead	2 issues	...
Cloud Integration and Hosting	IBM Watson Machine Learning Service Integration and Streamlit web hosting	KS Krishnan S	Component lead	2 issues	...

## ii) Issues Dashboard

Projects / University Admit Eligibility Predictor

**Issues** [Share](#) [Export issues](#) [Go to advanced search](#) [LIST VIEW](#) [DETAIL VIEW](#) [ID](#) [...](#)

[Project: University Admit Eligibility Predictor](#) [Type](#) [Status](#) [Assignee](#) [More +](#) [Reset](#) [Save filter](#) [BASIC](#) [JQL](#)

Type	Key	Summary	Assignee	Reporter	P	Status	Resolution	Created	Updated	Due
A	UAEP-1	Analyze different regression models and determine the model that has the highest R2 Score	KS Krishnan S	KS Krishnan S	=	DONE	Done	Oct 31, 2022	Oct 31, 2022	
A	UAEP-2	Complete Exploratory Data Analysis on Admission Dataset	R Rohith	KS Krishnan S	=	DONE	Done	Oct 31, 2022	Oct 31, 2022	
A	UAEP-3	Developing the web app in Streamlit	KS Krishnan S	KS Krishnan S	^	DONE	Done	Nov 18, 2022	Nov 18, 2022	
A	UAEP-4	Running Jupyter Notebook in Watson Studio	K krishwar2001	KS Krishnan S	v	DONE	Done	Nov 18, 2022	Nov 19, 2022	
A	UAEP-5	Deploying model in IBM Cloud	RV R. Vishnu Vasan	KS Krishnan S	^	DONE	Done	Nov 18, 2022	Nov 18, 2022	
A	UAEP-6	Integrate the web app with the deployed model	R Rohith	KS Krishnan S	=	DONE	Done	Nov 18, 2022	Nov 19, 2022	
A	UAEP-7	Hosting the web app in Streamlit cloud platform	KS Krishnan S	KS Krishnan S	v	DONE	Done	Nov 18, 2022	Nov 18, 2022	
A	UAEP-8	Performance testing of the web application	RV R. Vishnu Vasan	KS Krishnan S	=	DONE	Done	Nov 18, 2022	Nov 18, 2022	
A	UAEP-9	Model Performance Testing	K krishwar2001	KS Krishnan S	=	DONE	Done	Nov 18, 2022	Nov 19, 2022	

[Give feedback](#) 1-9 of 9 [1](#) [>](#)

### iii) Component-wise issues

#### a) Web Application: Component Lead: Krishnan S

##### Developing the web app in Streamlit

[Attach](#) [Create subtask](#) [Link issue](#) [v](#) [...](#)

###### Description

Develop the web app using Streamlit. Predict the probability of acceptance given test data for a candidate. Persist the model with the highest  $R^2$  score as a pickle file and integrate it with the web app.

###### Activity

Show: [All](#) [Comments](#) [History](#) [Work log](#)

Newest first

Add a comment...

Pro tip: press **M** to comment

**Done** Done

**Pinned fields**

Click on the next to a field label to start pinning.

**Details**

Assignee

Krishnan S

Reporter

Krishnan S

Development

[Create branch](#)   
[Create commit](#)

Labels

None

Components

[Web Application](#)

Priority

High

#### b) IBM Model Deployment: Component Lead: Vishnu Vasan R

1-2 of 2

Columns

T	Key	Summary	Assignee	Reporter	P	Status	Resolution	Created	Updated	Due
	UAEP-5	Deploying model in IBM Cloud	R Vishnu Vasan	Krishnan S		DONE	Done	18/Nov/22	18/Nov/22	
	UAEP-4	Running Jupyter Notebook in Watson Studio	krishwar2001	Krishnan S		DONE	Done	18/Nov/22	19/Nov/22	

1-2 of 2

Projects / University Admit Eli... / UAEP-5

1

##### Deploying model in IBM Cloud

[Attach](#) [Create subtask](#) [Link issue](#) [v](#) [...](#)

###### Description

Use IBM Watson's Machine Learning Service and deploy the multiple-linear regression model. Create a scorable endpoint of the deployed model so that it can be accessed as an API.

###### Activity

Show: [All](#) [Comments](#) [History](#) [Work log](#)

Newest first

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**Done** Done

**Pinned fields**

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**Details**

Assignee

R Vishnu Vasan  
[Assign to me](#)

Reporter

Krishnan S

Development

[Create branch](#)   
[Create commit](#)

Labels

None

Components

[IBM Model Deployment](#)

Priority

High

## Running Jupyter Notebook in Watson Studio

Attach Create subtask Link issue

### Description

Push the dataset CSV files and the Jupyter notebook as an asset in IBM cloud's deployment space.

### Activity

Show: All Comments History Work log

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### Pinned fields

Click on the next to a field label to start pinning.

### Details

Assignee krishwar2001

Assign to me

Reporter KS Krishnan S

Development Create branch

Create commit

Labels None

Components IBM Model Deployment

Priority Low

## c) Cloud Deployment and Hosting: Component Lead: Krishnan S

1-2 of 2

Columns

T	Key	Summary	Assignee	Reporter	P	Status	Resolution	Created	Updated	Due
	UAEP-7	Hosting the web app in Streamlit cloud platform	Krishnan S	Krishnan S		DONE	Done	18/Nov/22	18/Nov/22	...
	UAEP-6	Integrate the web app with the deployed model	Rohith	Krishnan S		DONE	Done	18/Nov/22	19/Nov/22	

1-2 of 2

## Hosting the web app in Streamlit cloud platform

Attach Create subtask Link issue

### Description

Connect the respective GitHub repo and branch to Streamlit cloud platform and set up CI-CD to automatically deploy new changes pushed to the repo.

### Activity

Show: All Comments History Work log

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Done

Done

### Pinned fields

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### Details

Assignee KS Krishnan S

Reporter KS Krishnan S

Development Create branch

Create commit

Labels None

Components Cloud Integration and Host...

Priority Low

## Integrate the web app with the deployed model

Attach Create subtask Link issue ...

### Description

Use the deployed model in IBM Watson through the scoring endpoint by making an API call with the IBM cloud API key.

### Activity

Show: All Comments History Work log

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Done

Done

### Pinned fields

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### Details

Assignee	R Rohith
	<a href="#">Assign to me</a>
Reporter	KS Krishnan S
Development	<a href="#">Create branch</a>
	<a href="#">Create commit</a>
Labels	None
Components	<a href="#">Cloud Integration and Host...</a>
Priority	Medium

## d) Performance Testing: Component Lead: Vishnu Vasan R

1-2 of 2

Columns

T	Key	Summary	Assignee	Reporter	P	Status	Resolution	Created	Updated	Due
	UAEP-9	Model Performance Testing	krishwar2001	Krishnan S		DONE	Done	18/Nov/22	19/Nov/22	...
	UAEP-8	Performance testing of the web application	R Vishnu Vasan	Krishnan S		DONE	Done	18/Nov/22	18/Nov/22	

1-2 of 2

## Model Performance Testing

Attach Create subtask Link issue ...

### Description

Evaluate the performance of the multiple linear regression model.

Model Performance Metrics: Confusion matrix, Accuracy Precision, Recall, Specificity, F1 score Precision-Recall or PR curve, ROC (Receiver Operating Characteristics) curve PR vs ROC curve.

### Activity

Show: All Comments History Work log

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Pro tip: press M to comment

Done

Done

### Pinned fields

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### Details

Assignee	K krishwar2001
	<a href="#">Assign to me</a>
Reporter	KS Krishnan S
Development	<a href="#">Create branch</a>
	<a href="#">Create commit</a>
Labels	None
Components	<a href="#">Performance Testing</a>
Priority	Medium

# Performance testing of the web application

Attach Create subtask Link issue

## Description

Test the performance of the web app and generate reports.

## Attachments (1)



## Activity

Show: All Comments History Work log

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KS Add a comment...

Pro tip: press M to comment

Done

Done

## Pinned fields

Click on the next to a field label to start pinning.

## Details

Assignee	R Vishnu Vasan
Reporter	Krishnan S
Development	Create branch
	Create commit
Labels	None
Components	Performance Testing
Priority	Medium

More fields Story Points, Original estimate, Time tracking, Epic Li...