

# JIRA Sprint Dashboard

Project: University Admit Eligibility Predictor

Team ID: PNT2022TMID47903

## 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.	Krishnan S	Component lead	1 issue	...
Performance Testing	Performance testing of the webapp and ML model	R Vishnu Vasan	Component lead	2 issues	...
IBM Model Deployment	Deployment of the ML model in IBM cloud and accessing as a scorable endpoint.	R Vishnu Vasan	Component lead	2 issues	...
Cloud Integration and Hosting	IBM Watson Machine Learning Service Integration and Streamlit web hosting	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
	UAEP-1	Analyze different regression models and determine the model that has the highest R2 Score	Krishnan S	Krishnan S	=	DONE	Done	Oct 31, 2022	Oct 31, 2022	
	UAEP-2	Complete Exploratory Data Analysis on Admission Dataset	Rohith	Krishnan S	=	DONE	Done	Oct 31, 2022	Oct 31, 2022	
	UAEP-3	Developing the web app in Streamlit	Krishnan S	Krishnan S	=	DONE	Done	Nov 18, 2022	Nov 18, 2022	
	UAEP-4	Running Jupyter Notebook in Watson Studio	krishwar2001	Krishnan S	=	DONE	Done	Nov 18, 2022	Nov 19, 2022	
	UAEP-5	Deploying model in IBM Cloud	R Vishnu Vasan	Krishnan S	=	DONE	Done	Nov 18, 2022	Nov 18, 2022	
	UAEP-6	Integrate the web app with the deployed model	Rohith	Krishnan S	=	DONE	Done	Nov 18, 2022	Nov 19, 2022	
	UAEP-7	Hosting the web app in Streamlit cloud platform	Krishnan S	Krishnan S	=	DONE	Done	Nov 18, 2022	Nov 18, 2022	
	UAEP-8	Performance testing of the web application	R Vishnu Vasan	Krishnan S	=	DONE	Done	Nov 18, 2022	Nov 18, 2022	
	UAEP-9	Model Performance Testing	krishwar2001	Krishnan S	=	DONE	Done	Nov 18, 2022	Nov 19, 2022	

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### 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](#)

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KS

Add a comment...

Pro tip: press **M** to comment

Done [v](#) [Done](#)

###### Pinned fields

Click on the [📌](#) next to a field label to start pinning.

###### Details

Assignee [KS](#) Krishnan S

Reporter [KS](#) 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 [v](#)

Columns [v](#)

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

1-2 of 2 [v](#)

Projects / [University Admit Eli...](#) / [UAEP-5](#)

[1](#) [v](#) [v](#) [...](#)

##### 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](#)

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KS

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Done [v](#) [Done](#)

###### Pinned fields

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###### Details

Assignee [RV](#) R Vishnu Vasan

[Assign to me](#)

Reporter [KS](#) 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

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### Pinned fields

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### Details

Assignee krishwar2001

Assign to me

Reporter Krishnan S

Development Create branch

Create commit

Labels None

Components IBM Model Deployment

Priority Low

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

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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	

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## 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

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Done

### Pinned fields

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### Details

Assignee Krishnan S

Reporter 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

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### Pinned fields

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### Details

Assignee Rohith

Assign to me

Reporter Krishnan S

Development Create branch

Create commit

Labels None

Components Cloud Integration and Host...

Priority Medium

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

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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	

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## 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

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Done Done

### Pinned fields

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### Details

Assignee krishwar2001

Assign to me

Reporter Krishnan S

Development Create branch

Create commit

Labels None

Components Performance Testing

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

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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 [Performance Testing](#)

Priority Medium

More fields [Story Points](#), [Original estimate](#), [Time tracking](#), [Epic Li...](#)