

DATE: 18/03/2021

**Event Coordinator(s)**

**1. S.Beatrice**

**Student Coordinator(s)**

**1. Kevin Fernandes**

**2.Lincy Lois Brian**

**Time & Place:**

**Google meet platform**

**3:00pm – 5:00pm,**

**Xavier Institute of Engineering**

**Department:**

**Computer Engineering**

**No of participants: 50**

**EVENT : DB-SCAN and DB-SCALE**

**Details of the resource person: Prof. Richard Joseph**, Assistant Professor, Computer Engineering Department, VESIT, Mumbai

Short description:

Target audience: Third Year Computer Engineering students

**Purpose:**

Explain the difference between DBSCAN and K Means

Showed the visual representation of DBSCAN

**Benefits:**

Improve creative and critical thinking

DBSCAN does not require one to specify the number of clusters in the data a priori, as opposed to K Means.

Enhances knowledge about DBSCAN and DB SCALE and its algorithm.

The event was held on Google Meet online platform, around 50 students from TE Computer branch attended the event.

The event began with a general introduction about difference between DBSCAN and K Means, followed by the actual working and its Visual representation and its involved components.

After which began the short explanation of its algorithms and their benefits and drawbacks as well.

**Student Feedback and Benefits:**

Was very interactive and brainstorming session as well as very informative.

REC R Richard Joseph is presenting Lavina Fernandes and 38 more 3:28 PM You

Visualizing DBSCAN Clustering

Draw a point distribution:

1 2 3 4 5 6

Iterations: 0 2 clusters

General Statistics:  
Delta position: 0.00

Some hints for interactivity

- You can add more points by clicking or dragging in the plot area.
- Seed points (shown in empty circles) are randomly initialized.

meet.google.com/tzt-jgpu-omn?pli=1&authuser=1

15:28 18-03-2021

gxuxnqally ^

Raise hand Turn on captions Richard Joseph is presenting

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REC R Richard Joseph is presenting Siddhesh Naikw... and 30 more 4:07 PM You

Visualizing DBSCAN Clustering

epsilon = 1.00  
minPoints = 4

Restart GO!

DBSCAN (Density-Based Spatial Clustering of Applications with Noise)

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16:07 18-03-2021

gxuxnqally ^

Raise hand Turn on captions Richard Joseph is presenting

04:07 PM 18-03-2021

REC R Richard Joseph is presenting Godfrey Fonseca and 38 more 41 4:11 PM You

naftalhamis.com/blog/visualizing-dbscan-clustering/

epsilon = 0.64  
minPoints = 5

Restart

DBSCAN (Density-Based Spatial Clustering of Applications with Noise)

meet.google.com is sharing your screen Stop sharing Hide

You Richard Jose... Adrian Ferna...  
Ayesha Gaik... Ishan Ubale Janice Pulikk...  
Tejol Lahane Sam Jebaraj ... Brettlee Corr...

gxunqally ^



Raise hand Turn on captions Richard Joseph is presenting



**Beatrice.S**  
**Coordinator**  
Computer Engineering  
Department