



VISHWKARMA GOVERNMENT ENGINEERING COLLEGE, CHANDKHEDA

Report on the Webinar on “Mining of Incremental Data”

Name of Department	:	Information Technology
Title of Webinar	:	“Mining of Incremental Data”
Expert Name, Designation & Affiliation	:	Dr. Kamlesh Tiwari, Asst. Professor, BITS Pilani.
Date & Time	:	18/02/2021, 02:00 P.M. Onwards
Venue	:	ONLINE (Microsoft Teams)
No of Participants	:	80
Event Coordinators	:	Prof. Vibha Patel, Prof. Jignesh Vaniya

About the Webinar

The Information Technology Department organized a webinar on "Mining of Incremental Data" on February 18th, 2021. Dr Kamlesh Tiwari, Assistant Professor at BITS Pilani, delivered his expert talk on Incremental Data and its mining. Around 80 students participated in the webinar.

Objectives

- To enlighten students about the Mining of Incremental Data.
- To reduce disparities between the course on “Data warehousing and data mining” and current industry and research trends.

Discussion Points

- Introduction to Data Mining
- Association Rule Mining
- Advanced Clustering techniques.

Outcomes

- Students understood the difference between data mining and traditional query processing through the content covered in the webinar.
- Students gained knowledge of advanced clustering techniques like DBSCAN as well as incremental DBSCAN.
- An awareness of the incremental association rule mining and its significance was covered during the webinar.
- The webinar was very educative to the students as per their feedback.

A Quote by the Expert

- “The amount and complexity of data will continue to increase rapidly, and the task of distilling useful insight is of a great concern in data mining. Addressing this concern will require advances in our theoretical understanding of the principles that underlie Data Mining algorithms.”
– Dr. Kamlesh Tiwari

The Webinar – A Glance:

The poster is for a webinar titled "MINING OF INCREMENTAL DATA". It is organized by the IT Department of Vishwakarma Government Engineering College, Chandkheda, Ahmedabad. The speaker is Dr. Hamlesh Tiwari, an Assistant Professor at BITS Pilani, Rajasthan, with expertise in DL, ML, AI, CV, and Multimodal Biometrics. The event is patronized by Prof. (Dr.) N. N. Bhuptani, Principal of UGEC. The date and time are 18.02.2021, from 2 PM to 4 PM. A QR code is provided for registration.

VISHWAKARMA GOVERNMENT ENGINEERING COLLEGE
CHANDKHEDA, AHMEDABAD

WANT TO MINE SOME DATA? JOIN THE
EXPERT TALK ON
**MINING OF
INCREMENTAL
DATA**

DR. HAMLESH TIWARI
DL | ML | AI | CV | MULTIMODAL BIOMETRICS
ASSISTANT PROFESSOR
BITS PILANI, RAJASTHAN

PATRON
PROF. (DR.) N. N. BHUPTANI
PRINCIPAL, UGEC

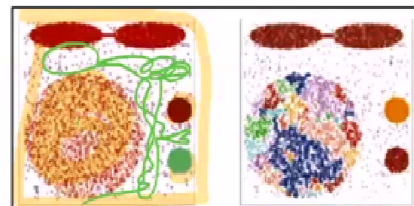
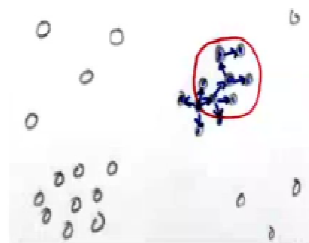
ORGANIZER
IT DEPARTMENT
UGEC

18.02.2021 | 2PM TO 4PM |

DBSCAN

DBSCAN⁴ (Density-Based Spatial Clustering of Applications with Noise) is a spatial clustering algorithm of KDD96

- Parameters (Eps/MinPts) and points (core/border/noise)
- Uses DFS



Figures from G. Karypis, E.-H. Han, and V. Kumar, *COMPUTER*, 32(8), 1999

- Advantage: clusters of arbitrary shape
- Disadvantage: Sensitive to parameters



Vishwakarma Government Engineering College

Information Technology Department

A Webinar
on

“Mining of Incremental Data”

The session was conducted on 18th February 2021 from 2 p.m. to 4 p.m.

80

Participants attended
on



Microsoft Teams



Dr. Kamlesh Tiwari,
Asst. Professor, BITS Pilani.



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