A Reflection Report for

Workshop

on

Classifier Models

Forwarded to Principal.

12/12/22

Organized by

Department of Computer Science and Engineering

28th & 29th October 2022

To: HoD-CSE
Noted; Good
13/12

Co-ordinators

Ms. Poorni R, AP/CSE
Ms. Ajoe Sweetlin Jeena A, AP/CSE

SRI VENKATESWARA COLLEGE OF ENGINEERING
An Autonomous Institution-Affiliated to Anna University
Pennalur, Sriperumbudur 602 105

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Workshop on Classifier Models

By

Dr. Bhavadharini R.M.
Associate Professor
VIT, Chennai.

Date   : 28/10/2022 & 29/10/2022

Time   : 6.00 PM – 7.00 PM

Convener:

Dr. R. Anitha, Prof & Head /CSE

Co-ordinators:

Ms. Poorni R, AP/ CSE

Ms. Ajoe Sweetlin Jeena A, AP/CSE

Sri Venkateswara College of Engineering
(Autonomous - Affiliated to Anna University)
Pennalur, Sriperumbudur - 602 117

Department of Computer Science and Engineering

October 13, 2022.

Submitted to HOD/CSE:

Dear Madam,

     Sub: Requisition to conduct a Workshop on Classifier Models in Data Mining - reg.

On behalf of the Department of Computer Science and Engineering, we would like to organize a workshop on Classifier Models in Data Mining on 28th October 10.00 - 11.00 AM (IST) and 29th October 2022 (Saturday) at 06.00 PM - 07:00 PM (IST). The aim of this event is to give the idea of the classification of different algorithms and are helpful to automate tasks that previously had to be done manually. The major focus is to discuss the metrics to consider when evaluating machine learning models for imbalanced classification problems.
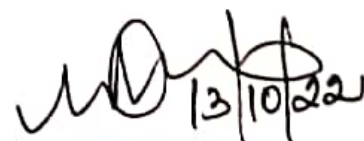
The resource person for the workshop is as follows:
    Dr. R.M. Bhavadharini
    Associate Professor,
    School of Computer Science and Engineering,
    VIT, Chennai.

The workshop supports the faculty members, student's community in the near future. So kindly grant permission to organize the event. Kindly Consider and do the needful.

Coordinators:
Ms. Poorni R, AP/CSE
Ms. Ajoe Sweetlin Jeena A, AP/CSE

13/10/22
HOD/CSE

SRI VENKATESWARA COLLEGE OF ENGINEERING
An Autonomous Institution - Affiliated to Anna University Pennalur,
Sriperumbudur – 602117

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Workshop on "Classifier Models"

AGENDA

Date & Time: 28/10/2022 & 29/10/2022– 6.00PM

- Introduction to Classifier Models

- How Data Analysis Algorithm works

- Working principles of Regression Algorithms

- Various methods in classification

- Applications of Classifier Models

- Interesting Facts and Current Research

Classifier Models

The Department of Computer Science and Engineering, Sri Venkateswara College of Engineering conducted an Online workshop titled **Classifier Models on 28th & 29th October 2022**. The guest speaker was Dr. Bhavadharani R. M working as Associate Professor at VIT, Chennai. She completed B.E in 2005. The Session started with the introduction of the speaker by Ms. Poorni R AP/CSE.

Classification is a form of data analysis that extracts models describing important data classes. Such models are called Classifiers. The model depends on the investigation of a set of training data information. The derived model could also be represented in various forms, like classification (if – then) rules, decision trees, and neural networks.

Naive Bayes classifiers are a collection of classification algorithms based on Bayes' Theorem. It is not a single algorithm but a family of algorithms that share a common principle, and every pair of classified features is independent of each other.

These algorithms help in gaining insights that define the pathway an enterprise has to take regarding its campaigns, products, locations, and a lot more aspects. It can either work on the target dataset to describe parameters or predict the outcomes by employing Machine Learning models. Classification is a popular technique where the data point is classified into Different Classes. It is a supervised learning technique where the quality of data can be changed based on previous data.

Speaker Profile

Dr. Bhavadharini R M has over 17 Years of Teaching experience. She holds a Ph.D. in "Certain investigations on Cross-Layer Congestion Control methods to improve TCP performance in Mobile Adhoc Networks".

She has published around 30 papers in National and International Journals and presented many papers at various national and international conferences. She has also published 2 patents. Her area of interest includes Wireless communication, the Internet of Things, Artificial Intelligence and Machine Learning.

Explaining the concepts of Classifier Models

Sample Certificate

The Certificate of Participation

This is to certify that Mr. I SIBI MUGHIL of Sri Venkateswara College of Engineering, has participated in the Two Day Technical workshop on "Classifier Models in Data Mining" organized by the Department of Computer Science and Engineering, Sri Venkateswara College of Engineering held from 28th OCT 2022 to 29th OCT 2022

Dr R.Anitha
HOD/CSE-CONVENOR

Dr.S.Ganesh Vaidyanathan
Principal

Objective:

The objective of this workshop is to give the idea for understanding the concepts of classification algorithms in real-time based on supervised and unsupervised learning and to enhance the methodology of using it in various domains.

About the Program:

This workshop aims to encourage the need for algorithms in recent technologies which helps faculty members, research scholars and students from different parts of the country. The program motivates in promoting the ideas in implementing classification algorithms and the issues related to appropriate domains.

Benefits:

After participating in the workshop, the participants can be able:

- To get an overview of real-time algorithms used in recent technology.
- To know about the issues in classification with real-time datasets.
- To know about the importance of classifiers in Machine Learning Models.

Outcomes:

After the completion of a workshop, the participants:

- Understood the concepts of Classifier Models and recent applications of these machine learning algorithms in various domains.
- Explored the applications of Naive Bayes in real-world scenarios.

Link Details

Venue: Google Meet (Online)

Date: 28th and 29th October 2022

Time: 6.00 PM to 7.00 PM

Google Meet Link: meet.google.com/zxx-tufc-gun

Participant Details

Participant Type	Internal
Faculty	10
Research Scholar	8
Students	83
Total	101