Panipat Institute of Engineering and Technology

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Department of Computer Science and Engineering

Ref. No: PIET/CSE/ICT/2024/2 Dated: 8/04/2024

NOTICE

SESSION ON "PREDICTIVE DATA ANALYTICS AND ITS APPLICATIONS IN INDUSTRY"

The Department of Computer Science and Engineering is organizing a session on "**Predictive Data Analytics and its Applications in Industry**". Open to students who are interested in pursuing a career in research or consultancy in the domain of deep learning, machine learning, data analytics and data science. The session will cover the basics of data analytics and career options in the fields.

Details for the session.

Date: 11th April 2024

Time: 1pm onwards

Venue: Conference Hall, 1st Floor, Admin Block

Contact Person: Mr. Vikas Sethi, 9812441113

Head Of the Department

HOD (CSE)
PIET, Samalkha

Cc:

1. All Notice Boards

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Report on Session

Event Details	
Title of the Event:	Session on "Predictive Data Analytics and its Applications in Industry"
Date of the Event:	11th April 2024, 1 pm to 4 pm
Venue	Conference Hall, 1st floor, Admin Block
Mode	Offline
No. of Participants Attended	40
Resource Persons:	Mr. Ankit Bahl, 7206013233

Event Report:

Department of Computer Science and Engineering organized a session on "Predictive Analytics and its Applications in Industry" on 11th April 2024. Resource person for the workshop was Mr. Ankit Bahl, Assistant Professor in MCA Department, PIET. Mr. Ankit was cordially welcomed by Mr. Vikas Sethi in the presence of esteemed Head of Department (CSE), Dr. S.C. Gupta. The main agenda of this session was educating students on predictive analytics, a cutting-edge type of data analytics that recognises patterns in historical data and projects data-driven insights into future results and the field's potential.

Mr. Ankit started the session by describing first of all what is Predictive Data Analytics. Predictive analytics is the form of advanced data analytics making predictions about future outcomes via analyzing previous data. To analyze previous data, this method combines statistical modelling, data mining and machine learning tools and techniques and makes accurate and actionable insights. The science of predictive analytics can build future insights with a significant rate of accuracy. Each element was enumerated and thoughtfully described. In addition to discussing the difficulties and needs of data scientists in the IT sector, he also outlined the fundamental building blocks of data analytics. He provided information on several frameworks and how to use them.

At the end, Dr. S.C. Gupta reiterated his deep appreciation for Mr. Ankit's valuable contribution and providing an insight into this topic.

Outcomes of the Session:

- Students learnt how to explore and visualize the data, how to get a preliminary idea of what variables are important, and how they relate to one another
- Basics of partitioning to divide the data into training data (data used to build a model), validation data (data used to assess the performance of different models, or, in some cases, to fine tune the model) and test data (data used to predict the performance of the final model).
- Applications of Predictive analytics like it can be used to streamline operations, boost revenue, and mitigate risk for almost any business or industry, including banking, retail, utilities, public sector, healthcare, and manufacturing. Sometimes augmented analytics are used, which uses big data machine learning.
- Various machine learning techniques which are used in Predictive Analysis.

Pic: Mr. Ankit Taking giving presentation during the Session

PANIPAT INSTITUTE OF ENGINEERING & TECHNOLOGY

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List of Attendees Predictive Data Analytics & its Applications In Industry

Sr.No	Name	Roll Num	Dept.	Sign
1	Priyanshu Diwan	2821270	CSE	Priyanshu Diwan
2	Sahil	2821123	CSE	
3	Sahil	2821092	CSE	Sahil
4	Ayushi	2821254	CSE	
5	Tarun	2821109	CSE	Tarun
6	Ayushi	2821247	CSE	Ayushi
7	Urvashi	2821111	CSE	Urvashi
8	Kashish Mittal	2821135	CSE	Kashish
9.	Chhavi Gupta	2821124	CSE	Chhavi
10.	Upender	2821192	CSE	Upender
11	Suraj Kant	2821205	CSE	Suraj Kant
12	Vijay Kumar	2821229	CSE	Vijay Kumar
13	Umashankar	2821206	CSE	Umashankar
14	Vishal	2821228	CSE	Vishal
15	Shivpoojan	2821099	CSE	Shivpoojan
16	Nanit	2821070	CSE	Nanit
17	Shweta	2821167	CSE	Shweta
18	Ish Kumar	2821050	CSE	
19	Bharti	2821028	CSE	Bharti
20	Ishika Meghani	2821051	CSE	Ishika
21	Divya Sharma	2821038	CSE	Divya
22	Vinky	2821153	CSE	Vinky
23	Gourav	2822901	CSE	Gourav
24				
24.	Rahul	2821114	CSE	
25	Himanshu	2821186	CSE	Himanshu
26	Vishal Kaushik	2821475	CSE(AI&DS)	Vishal
27.	Radhika	2821324	CSE(AI&ML)	Radhika
28	Himanshu	2821442	CSE(AI&DS)	Himanshu
29	Rahul Saini	2821626	(IT)	Rahul
30	Sachin Sharma	2821624	(IT)	Sachin
31	Lovish Kumar	2821680	(IT)	Lovish Kumar
32.	Vipul Tyagi	2821428	CSE(AI&DS)	Vipul
33	Nikhil Bhola	2821456	CSE(AI&DS)	Nikhil
34	Ishu	2822557	CSE(AI&DS)	Ishu
35	Jatin Gahlyan	2822536	CSE(AI&DS)	Jatin
36	Saurabh	2822529	CSE(AI&DS)	Saurabh
37	Ashish	2822522	CSE(AI&DS)	Ashish
38	Harsh Vardhan	2822531	CSE(AI&DS)	Harsh Vardhan
39	Shubham	2822512	CSE(AI&DS)	Shubham
40	Vansh Gupta	2822511	CSE(AI&DS)	Vansh Gupta

V.V
11/11/24