

Event Report

Academic Year – 2022-23

Session: July-Dec 2022

Name of Event: Training

Date of Event: 18/07/2022

Topic: "Application and Visualization of Data Structure".

Organizing Dept.: Information Technology
AIML

Event Coordinator: Mr. ~~_____~~
Sikandar Malik

Name of Expert/Guest 1: Mr. Pankaj Wadhvani

Institute / Company: IIST, Indore

Designation: Trainer/Instructor

Department: AIML

Address: IIST INDORE

Contact No.: 7415559991

Email Id: pankaj.wadhvani@indoreinstitute.com

Event Expenses details:-

Details of Participants:

No. of Institutes Participated	No. of Students Participated		No. of Faculties Participated		Department	No. of Industry Representative	Remark if any
	IIST	Other	IIST	Other	CSE/IT/EC/ME/CM/ESH		
					CSE, IT		
1	62				CSE, IT	NA	

*Please enclose a detailed list.

Also enclosed following details:

1. Approval Letter
2. Notice
3. Brochure
4. Detailed summary of events.
5. Photographs


HOD

HOD AIML




Principal

Date: - 4/07/2022

Approval Letter

To,
The Principal,

IIST, Indore

Reference: Requesting approval for conducting Training Application and Visualization of Data Structure.

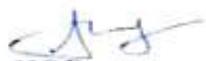
Respected Sir,

With reference to the above, the Department of AIML is organizing training on "Application and Visualization of Data Structure". From 07/07/2022 by Mr. Pankaj Wadhvani.

Thanks

Coordinator

Mr. Jitendra Kulaste 


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PRINCIPAL

Date: - 05/07/2022

Notice

All II Year Students of AIML are hereby informed that the department of AIML has organized training "Application and Visualization of Data Structure". **Speaker** - Mr. Pankaj Wadhwan

All students are requested to take benefit of the same.

Coordinator

Mr. Jitendra Kualste



Date: 07/07/2022

Venue: - IIST Auditorium

Time: -1:00 PM



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Principal

Department of AIML

Title : "Application and Visualization of Data Structure".
Date of Event : 18/07/2022
Speaker Expert : Mr. Pankaj Wadhvani

Summary:

We have total number of 62 students and all of the got benefitted with this one week training.

Feedback: 1. This Work is really good and very much useful to develop and teach data Structure and other technologies.

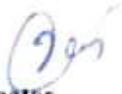


2. We are able to Share knowledge among ourselves.

3. We need this type of real time training.

Eminent resource persons Mr. Pankaj Wadhvani sir from real time application Development Company from Indore.

We received good feedback and response for conducting this training in AIML.


Coordinator
Mr. Jitendra Kulaste

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Inside / Outside Resource person detail or profile



Resource Person	Designation Company	Address
Mr. Pankaj Wadhvani	Director and Co-founder of "Programming World"	182, Greater Vaishali Nagar, Indore, Madhya Pradesh 452009

Training: - Application Visualization of Data Structure and

COURSE OBJECTIVES:

- 1 To impart the basic concepts of data structures and algorithms
- 2 To understand concepts about searching and sorting techniques
- 3 To Understand basic concepts about stacks, queues, lists, trees and graphs
- 4 To understanding about writing algorithms and step by step approach in solving problems with the Help of fundamental data structures

COURSE OUTCOMES:

- 1 Ability to analyze algorithms and algorithm correctness.
- 2 Ability to summarize searching and sorting techniques
- 3 Ability to describe stack, queue and linked list operation.
- 4 Ability to have knowledge of tree and graphs concepts.

Contents: - Application and Visualization of Data Structure

In this training, you will learn about the most popular topics corresponding to data structures and algorithms through live animation. The data structure is the key component of Computer Science and is used in the areas of artificial intelligence, operating systems, graphics, etc. This course aims to turn complexity into simplicity via illustrations and live animation. Visualization of data structures is provided for the most popular topics, such as queue, stack, linked list, recursion, and recursive function, graphs, trees, heap data structure, sorting algorithms, searching algorithms, hash function, and hash table. This course is provided for anyone who is interested in data structure and algorithms. All sorting and searching algorithms are covered by the implementation. The main programming language is based on Python. However, very basic knowledge about programming skills is required, and this knowledge is only required for sorting and searching algorithms in which they are discussed with Python programming language. All lectures are discussed from scratch, and don't be afraid if you think your knowledge is not enough for this course. In fact, both implementation and illustrations are discussed in a simple manner. I hope you enjoy this course.

The most popular topics that are covered are:

1. **Arrays**
2. **Queue**
3. **Stack**
4. **Linked List**
5. **Recursion**
6. **Graph Theory**
7. **Spanning Trees**
8. **Minimum Spanning Trees (Prim's and Kruskal's)**
9. **Graph Traversal (BFS and DFS)**
10. **Sorting Algorithms**
11. **Searching Algorithms**
12. **Heap Data Structure**
13. **Introduction to Trees**
14. **Binary Search Trees (BST)**
15. **Tree Traversal (Preorder, Inorder, Postorder)**
16. **The hash function and Hash Table**



Indore Institute of Science & Technology

Department of AIML

TRAINING

ON

APPLICATION AND VISUALIZATION OF DATA
STRUCTURE.

TIME:- 11 :00 AM
VENUE:- AUDI-1
DATE:- 18/07/2022

FACULTY COORDINATOR
MR. JITENDRA KULSTE

HOD AIML

MEMORY
DATA
MANAGE ORGANIZING
LANGUAGE INFORMATION
INDEX OPERATIONS
ABSTRACT
HASH TABLE
TYPES COMPUTER
DATABASE PERFORM
AMOUNTS
DATA

BY:
MR. PANKAJ WADHWANI



17	0818CL211018	BRIJESH RAJBHAR	Brijesh								
18	0818CL211019	DEEPAK SINGH	Deepak	AB	Deepak						
19	0818CL211020	DEEPMALA SURYAWANSHI	Deepmala	AB	Deepmala						
20	0818CL211021	DEVESH SEN	Devesh	AB							
21	0818CL211022	DIYA SINGHAL	Diya								
22	0818CL211023	HARSHI TALWARE	Harshi								
23	0818CL211024	HARSHAD VERMA	Harshad								
24	0818CL211025	JITENDRA SINGH	Jitendra								
25	0818CL211026	KAMAL ORA	Kamal	AB							
26	0818CL211027	KARAN KARODE	AB	Karan							
27	0818CL211028	KIRTI MANDLOI	Kirti								
28	0818CL211029	KISHAN	Kisha								
29	0818CL211030	KRISH MUNAT	Krish								
30	0818CL211031	KRISHNA AMBEKAR	Embekar	Rabekar							
31	0818CL211032	KRISHNA PAWAR	Kaul	AB	Kaul						
32	0818CL211033	KRISHNAKANT DAKHODE	Kakode								
33	0818CL211034	KUSHAGRA TYAGI	Kushagra								

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34	0818CL211035	MANOJ	WJ									
35	0818CL211036	MUNI KUNDAL	Kundal	Kundal	Kundal	Kundal	Kundal	Kundal	Kundal	Kundal	Kundal	Kundal
36	0818CL211037	MUSTANSIR HILAL	Mustansir									
37	0818CL211038	NIKESH PATEL	Nikesh									
38	0818CL211039	NIKHIL PATEL	Nikhil									
39	0818CL211040	NIKHIL PATIDAR	Nikhil									
40	0818CL211041	NISHANT SINGH	Mishant									
41	0818CL211042	NITISH KUMAR GUPTA	AB									
42	0818CL211043	PALAK JAIN	Palak									
43	0818CL211045	POORVANSHI PATIDAR	AB									
44	0818CL211046	PRAVEEN ROY	Praveen									
45	0818CL211047	PRAYAS JAIN	Prayas									
46	0818CL211048	PUSHENDRA RANJAN SHIRIVASTAVA	P.R.Shir	AB	P.R.Shir	P.R.Shir	AB	AB	P.R.Shir	P.R.Shir	P.R.Shir	P.R.Shir
47	0818CL211049	RAHUL PATIDAR	R. Patidar									
48	0818CL211050	RAJENDRA GURJAR	Rajendra									
49	0818CL211051	RAM KRISHNA SHIVAM	Ram Krishna									
50	0818CL211052	RASHI JAIN	Rashi									

51	0818CL211053	RAVINDRA PAWAR	Pravara Pawar	Pravara							
52	0818CL211054	REENA BHUJADE	Reena	Reena	Reena	Reena	Reena	Reena	Reena	Reena	Reena
53	0818CL211055	RITIK PAL	Ritika	Ritika	Ritika	Ritika	Ritika	Ritika	Ritika	Ritika	Ritika
54	0818CL211056	SANDEEP RATHORE	SD	(A)	SD	(A)	SD	(A)	SD	(A)	SD
55	0818CL211057	SATYAM PATEL	Satyam	Satyam	Satyam	Satyam	Satyam	Satyam	Satyam	Satyam	Satyam
56	0818CL211058	SHUBHAM LATHI	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham
57	0818CL211059	SHUBHAM YADAV	Shubham	(A)	Shubham	(A)	Shubham	(A)	Shubham	(A)	Shubham
58	0818CL211060	SOMESH DESHPANDE	(A)	(A)	(A)	(A)	(A)	(A)	(A)	(A)	(A)
59	0818CL211061	SUMIT PATIDAR	Somit	(A)	Somit	(A)	Somit	(A)	Somit	(A)	Somit
60	0818CL211062	SUMIT SINGH	Somit	Somit	Somit	Somit	Somit	Somit	Somit	Somit	Somit
61	0818CL211063	UNNAYAN MISHRA	Unay	Unay	Unay	Unay	Unay	Unay	Unay	Unay	Unay
62	0818CL211064	URVASHI SHARMA	U.	(A)							

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COORDINATOR