



**Govt. E. Raghavendra Rao
Post Graduate Science College,
Bilaspur (C.G.)**

DEPARTMENT OF COMPUTER APPLICATION

Organises a Workshop on

Advanced Data Structures

**Date: 19.04.2024
Time: 12.30 pm**

**Venue:
Department of
Computer Application**

Guest Speaker



Dr. H. S. Hota

**Head of Department
Department of Computer Science & Application,
UTD, Atal Bihari Vajpayee Vishwavidyalaya,
Bilaspur**

Title: Workshop Report on “Advanced Data Structures”

Date: 19-Apr-2024

Venue:Department of Computer Application (Govt. E. R. R. P. G. Science College, Bilaspur)

Introduction: The workshop was inaugurated on 19-Apr-2024 at Department of Computer Application by Principal Dr. Jyoti Rani Singh. Our Guest Dr. H. S. Hota, emphasized the importance of **Advanced Data Structures** in today’s computing landscape.

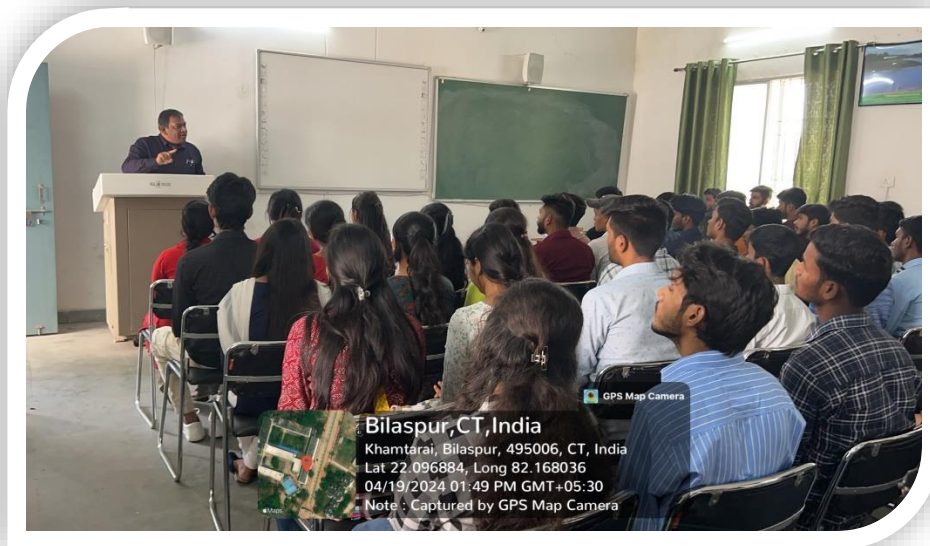
Speaker: Dr. H.S. Hota, Professor & Head of Department at ABVV, Bilaspur (C.G.)

Welcome Address

The event commenced with a warm welcome address by Mr. Vivek Tiwari (Head of Department of Computer Application), who emphasized the importance of mastering advanced data structures in today’s rapidly evolving technological landscape. The host discussed how data structures are the backbone of efficient algorithms and computing, and encouraged attendees to engage actively in the sessions for maximum benefit. The host also introduced the guest speaker Dr. H. S. Hota Sir and outlined the significance of their expertise in the subject matter.

Guest Lecture on Advanced Data Structures

The session provided an in-depth exploration of advanced data structures, starting with fundamental concepts and advancing to more complex topics. Topics such as AVL trees, B-trees, heaps, trees, and graph-based structures were discussed in detail. Each data structure was explained with real-world applications, emphasizing their relevance in fields like artificial intelligence, database systems, and network routing.





Conclusion

This workshop has been a transformative experience, equipping participants with advanced knowledge and practical skills in data structures. We look forward to continued exploration and application of these concepts in our academic and professional pursuits. The workshop successfully met its objectives, providing participants with a deeper understanding of advanced data structures and their implementation. The workshop was highly insightful, offering practical guidance on how to apply these concepts in real-world scenarios. The interactive discussions and hands-on coding sessions further enriched the learning experience, leaving attendees with enhanced knowledge and skills in data structures.

Q&A Session

An Interactive QA session was held at the end of workshop, where delegates had the opportunity to clarify their doubts and engage with our expert speaker.

Acknowledgments

The event concluded with an expression of gratitude by Mr. Sanjeev Pandey and Mrs. Pragya Sahu. Special thanks to Principal Dr. Jyoti Rani Singh Ma'am for inaugurating the workshop and Dr. H. S. Hota Sir for sharing valuable knowledge and expertise on **Advanced Data Structures**. The host also thanked the organizing team and sponsors and participants for making the event possible.

Attendance of Students :

S.No.	Name	Sign.
1	Jagriti Gondle	Jagriti
2	Greetanjali Takewal	Greetanjali
3	Jyoti Kumar Sahu	Jyoti
4	Ankush Pratap Singh	Ankush
5	Sudhar Pradham	Sudhar
6	Deepankar Kumar Yadav	Deepankar
7	Sai Chaitanya	Sai
8	Poojita Lakka	Poojita
9	Khushi Vijay	Khushi
10	Ranjit Yadav	Ranjit
11	Mouvasiti Sahu	Mouvasiti
12	Dendal Patel	Dendal
13	Priscilla Pamiel	Priscilla
14	Jyoti Takewal	Jyoti
15	Sameer Singh	Sameer
16	Darvanshu Shrivastava	D. Shrivastava
17	Arjun Garhwal	Arjun

Teacher's Signature.....

S.No.	Name	Sign.
18	SATISH KUMAR	Satish
19	ANURAG	Anurag
20	HARIL SAHU	Haril
21	Vinayak Kumar Singh	Vinayak
22	Balraj Kumar	Balraj
23	Tijay Kumar	Tijay
24	Aniket Sharma	Aniket
25	Kumudra Sahu	Kumudra
26	Karan Garhwal	Karan
27	Shweta Gangapurwala	Shweta
28	Shivam K. Chaudhary	Shivam
29	Aditya Pandey	Aditya
30	Deepak Dandekar	Deepak
31	Akash Kumar Yadav	Akash
32	SUYASH PANDEY	Suyash
33	Pratik Kumar Ramesh	Pratik
34	Naresh Sahu	Naresh
35	Narsingh Yadav	Narsingh
36	Chakraborty Sukanta	Sukanta
37	Manish Sahu	Manish
38	Chandrasekhar Singh	Chandrasekhar
39	Laubala Johnson	Laubala
40	Rajkumar Pradhan	Rajkumar
41	Nelam Sahu	Nelam
42	V. Vikar Kumar Chauri	V. Vikar
43	Nehar Baryane	Nehar
44	Seema Sahu	Seema
45	Yashika Yadav	Yashika
46	Ananya Chellappa	Ananya
47	Anjali Dikhar	Anjali
48	Vedika Sahu	Vedika
49		

Teacher's Signature.....

S.No.	Name	Sign.
40	Anamika Sahu	Anamika
50	Divyansha Yadav	Divyansha
51	Arisha Nataran	Arisha
52	Priyanka Yadav	Priyanka
53	HARI SAHU	Haril
54	Mahek Kumar Sahu	Mahek
55	PAWAN RAJ	Pawan
56	Nurii Saha	Nurii
57	Sonalhya Patel	Sonalhya
58	Chowhan Shrivastava	Chowhan
59	Rishabh Patel	Rishabh
60	Rajesh Yadav	Rajesh
61	Rajdev Nimla	Rajdev
62	Harish Kumar	Harish
63	Raj Kamal Yadav	Raj Kamal
64	Suyash Kumar Sahu	Suyash
65	Saurabh Chauray	Saurabh
66	Kirti Goyal	Kirti
67	Shiveta Rathore	Shiveta
68	Nikhil Bairyagi	Nikhil
69	Manish Patel	Manish
70	Abhishek Varshnav	Abhishek
71	chandni sahil	chandni
72	Samiddhi Gupta	Samiddhi
73	Aamish Mishra	Aamish
74	SIMANT	Simant

Teacher's Signature.....