SREE VIDYANIKETHAN ENGINEERING COLLEGE
(AUTONOMOUS)

Sree Vidyanikethan Engineering College (Autonomous) Sree Sainath Nagar, A. Rangampet – 517102

Coding Ninjas #skillforlife

Department of Computer Science and Engineering

CETA & Coding Ninja's

Organizes

Hands-on Workshop

On

"Data Structures and Algorithms"

Convenor (s)

Dr. D. Ganesh
Associate Professor
Department of CSE,
Sree Vidyanikethan Engineering College

Dr. C.Sushama
Associate Professor
Department of CSE,
Sree Vidyanikethan Engineering College

Resource Person

Ms. Sakshi Sharma
Lead Manager
Microsoft India Pvt Limited

Date	: 19-27th November,2022
Time	: 09.00 AM
Venue	: Zoom Platform (Online)
Target Group	: II B.Tech CSE Students

Forwarded

HOD, CSE

Department: CSE|Date: 28th November, 2022

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Hands-On Workshop

On

"Data Structures and Algorithms"

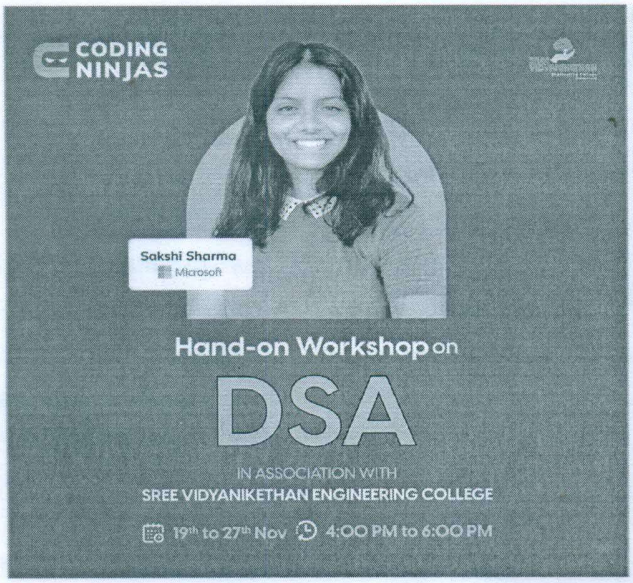
Hands-on Workshop on "**Data Structures and Algorithms**" was organized by the department of CSE during **19th ,20th & 26th ,27th November 2022**. A total of 258 II B.Tech CSE,CSE(AI),CSE(DS),CSE(AI&ML) students have attended the program and it is conducted for 32 hours of Duration. **Dr.Ganesh Davanam**,Associate Professor of CSE & **Dr.C.Sushama**, Associate Professor of CSE organized the Hands-On Workshop.The Resource person of the Workshop is **Ms. Sakshi Sharma,** Lead Manager, Microsoft India Pvt. Ltd.

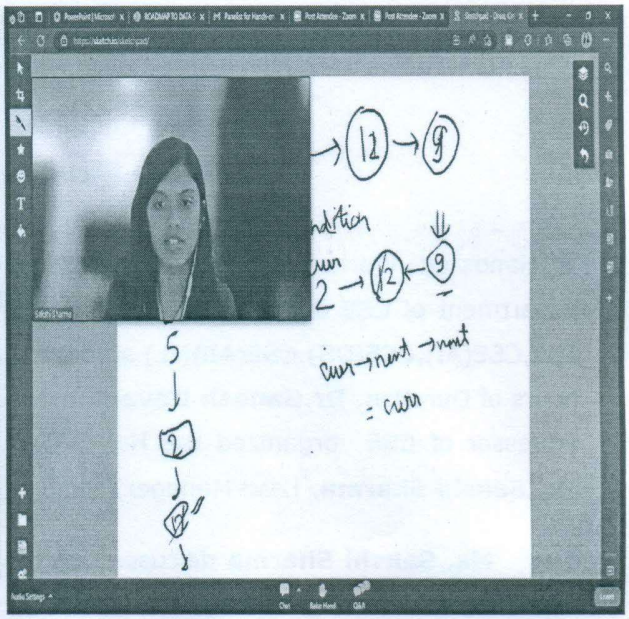
Ms. Sakshi Sharma discussed on the Data Structures and Algorithms -- Arrays/ Vectors, Searching and sorting, Linked List Stacks Queues, Dequeues Trees , Binary Trees, Binary Search Trees, Hash maps, Priority Queues Graph, Tries Segment Trees, Their Time And Space Complexities for various functions, Sample problems for some topics, Key Concepts, How to approach a problem in an interview, Space and Time Complexity, Tradeoff topics during the 04 days of the hands-on workshop.

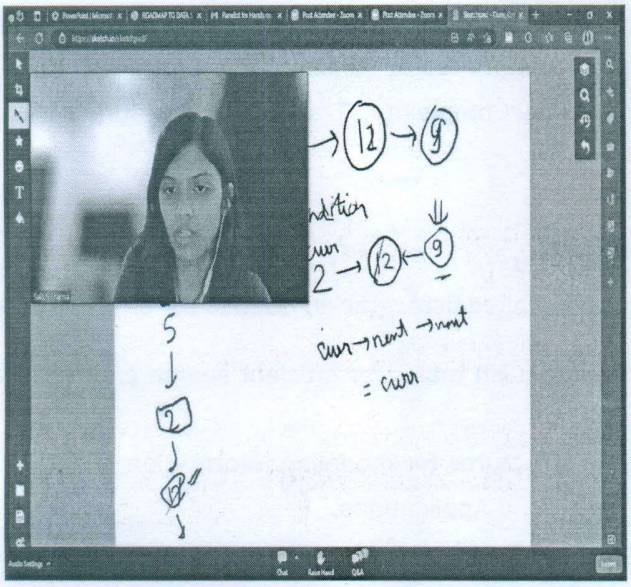
Outcomes:

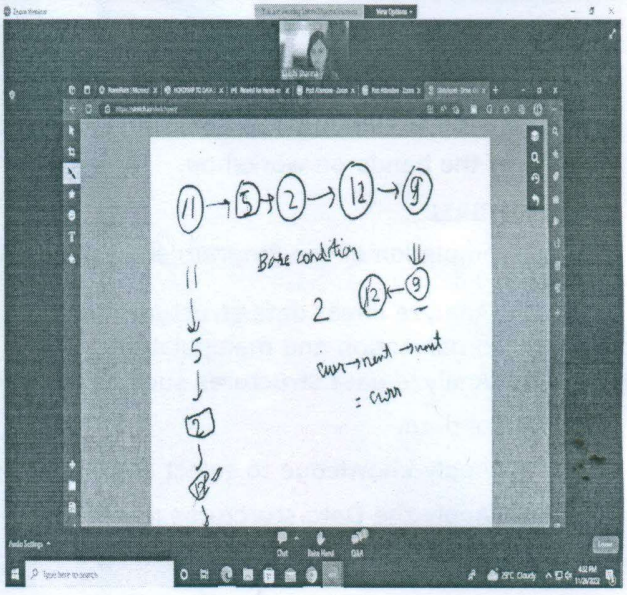
After completion of the Program students are able to:

1. Analyze linear data structures such as arrays, linked lists, stacks, queues for efficient data organization and manipulation.
2. Analyze data structures such as trees, graphs, hash tables for efficient search and retrieval of data.
3. Apply knowledge to select appropriate data structures for modeling information in data.
4. Apply the Data sturctures learnt to the Real Time Applications.









BNarendra
HOD, CSE