



**CHAITANYA BHARATHI
INSTITUTE OF TECHNOLOGY**

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COMMITTED TO
RESEARCH,
INNOVATION AND
EDUCATION

46
years

Date: 15.04.2025

Department of Computer Science and Engineering

A brief report on the **Short Term Training Program (Value added Course) on “Upgrading Skills in Java Programming”**, organized in offline mode on the following days 15th, 22nd, 29th March, 2025, 12th April from 09.30 AM to 04.30 PM in CSE M.Tech Lab and in online mode on 13th April, 2025 from 09.30 AM to 12.30 PM, by the Department of Computer Science and Engineering.

The resource persons for all the sessions of the STTP were faculty of CSE Department and faculty coordinators are Dr. M Venkata Krishna Reddy, Smt. I. Srujana, Smt. Ch.Madhavi Sudha, and Smt A. Sangeetha, Assistant Professor(s) from Department of Computer Science and Engineering.

This program is open to all the UG and PG Students, researchers, Industry Professionals, and faculty. The number of participants who attended was 89. The inaugural session was hosted by Smt. I. Srujana, faculty coordinator and given a brief introduction about the STTP. Prof. S. China Ramu, Head of the Department delivered opening remarks during inaugural session. Valedictory session was hosted by Dr. M. Venkata Krishna Reddy, faculty coordinator and the feedback was collected from the participants at the end of the STTP. Dr. M. Venkata Krishna Reddy proposed a vote of thanks.

The program aimed to enhance the understanding of programming concepts among students and faculty while strengthening their ability to apply these concepts using the Java programming language. It also sought to equip

students with the confidence to excel in placement opportunities and develop their projects using an object-oriented approach.

Inaugural Session:

The inaugural session was organized from 09:30 AM to 10:45 AM



Ms. I Srujana, Assistant Professor, Dept. of CSE and Faculty Coordinator hosting the Inaugural Session



Smt. I. Srujana, Assistant Professor, CSE Department welcoming the gathering and briefly introduce the purpose of the STTP



Prof. S. China Ramu, Professor & Head, Dept. of CSE, addressing the participants during the Inaugural Session



Participants of the program in the Inaugural session

The day-wise summary of the STTP is given below.

Day-1-(15-03-2025)

Session 1:

Following the inaugural session, Session-1 was conducted from 11:15 AM to 12:45 PM by Smt. S. Durga Devi, Assistant Professor, Department of CSE. She began the session with an engaging example illustrating the need for Java programming. She provided participants with a comprehensive overview, covering topics such as an Introduction to Java, Setting up the Java Development Environment, Writing Your First Java Program, and the concepts of Classes and Objects.



Smt. S. Durga Devi, Asst. Professor, Dept. of CSE, delivering the session 1 on Day 1

Session-2:

Session 2 conducted from 1:15 PM to 2:45 PM by Prof. S. Chinaramu, Professor & Head, CSE Department, along with Smt. I. Srujana, Assistant Professor, CSE Department, has focused on Core concepts of java fundamentals. They provided detailed explanations on essential Java concepts, including Data Types, Variables, and Operators. The session also covered

Control Flow Statements and Arrays, helping participants gain a strong foundation in Java programming basics.



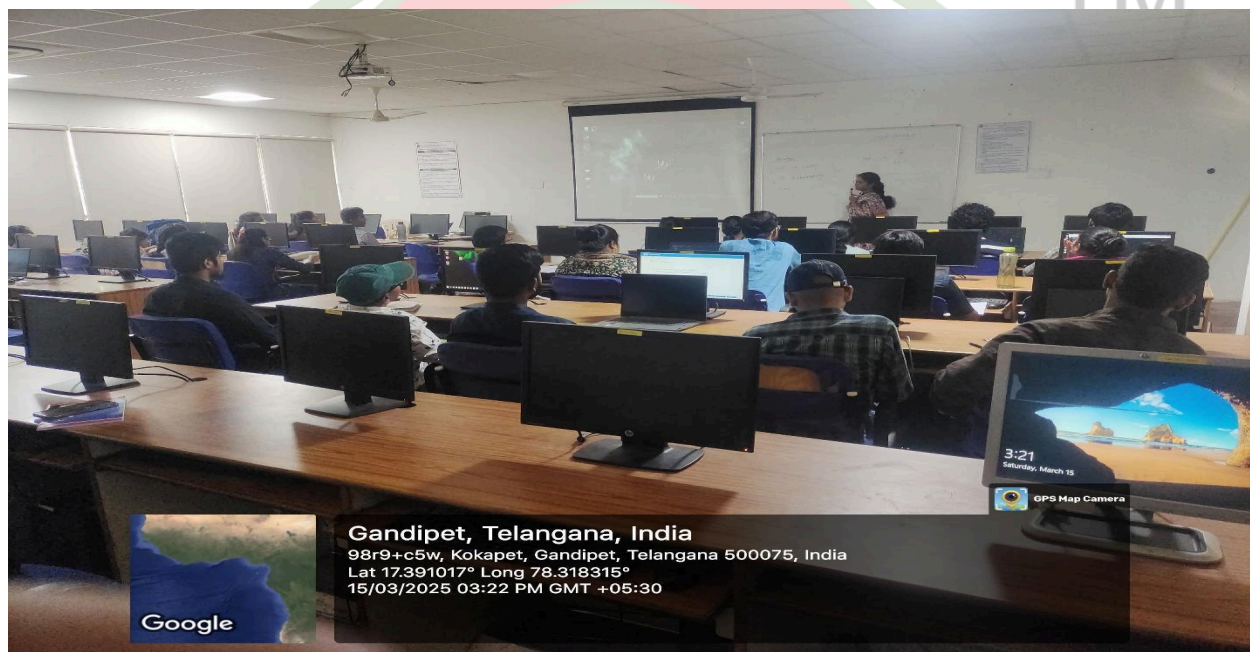
Prof. S. China Ramu, Professor & Head, Dept. of CSE, delivering the session 2 on Day 1



Smt. I. Srujana, Asst. Professor, Dept. of CSE, delivering the session 2 on Day

Session-3:

Session 3 conducted from 3:00 PM to 4:30 PM by Smt. E.Swathi, Asst. Professor, CSE Dept. She covered the concept of Inheritance in Object-Oriented Programming, highlighting how child classes can inherit features from parent classes. Single inheritance was explained as inheriting from one superclass, while multilevel inheritance involves a chain of inheritance across multiple levels. The use of the super keyword was discussed, which allows access to the parent class's methods and constructors.



Smt. E. Swathi, Asst. Professor, Dept. of CSE, delivering the session 3 on Day 1

Day-2- (22-03-2025)**Session-1 & 2:**

Session 1 conducted from 9:30 AM to 11:00 AM, and Session-2 from 11:15 to 12:45 PM, by Dr. M Venkata Krishna Reddy, Asst. Professor, CSE Dept. He has explained abstract classes as classes that cannot be instantiated and may contain abstract methods without implementation, which must be defined in child classes. He also covered interfaces, which declare method signatures without implementations, allowing multiple classes to implement them and

achieve multiple inheritance in Java and explained the importance of interfaces in the real-world problems.

In the second session, he focused on polymorphism, highlighting its two types: compile-time polymorphism and runtime polymorphism. Method overloading (compile-time polymorphism) allows multiple methods with the same name but different parameters within a class. Method overriding (runtime polymorphism) occurs when a subclass provides a specific implementation of a method already defined in its superclass, enabling dynamic method dispatch at runtime.



Dr. M. Venkata Krishna Reddy, Asst. Professor, Dept. of CSE, delivering the session 1 & 2 on Day 2



Participants attending the session 1 & 2 on Day 2

Session-3:

Session 3 conducted from 1:15 PM to 2:45 PM by Smt. I. Srujana, Assistant Professor, CSE Department. She has discussed with demo on packages in Java, which help organize classes and interfaces. She covered how to create and import packages for better code modularity. Special focus was given to standard packages like java.lang (which is automatically imported and contains fundamental classes like String and Math) and java.util (which provides utility classes like ArrayList and Scanner), along with other commonly used standard packages.



Smt. I. Srujana, Asst. Professor, Dept. of CSE, delivering the session 3 on Day

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Session-4:

Session 4 conducted from 3:00 PM to 4:30 PM by Dr. B, Ramana Reddy, Asst. Professor, CSE Dept. His lecture covered Exception Handling in Java, explained how exceptions are used to handle runtime errors gracefully. He highlighted the two types of exceptions: checked exceptions (like IOException), which are checked at compile-time, and unchecked exceptions (like ArithmeticException), which occur at runtime and are not checked during compilation.

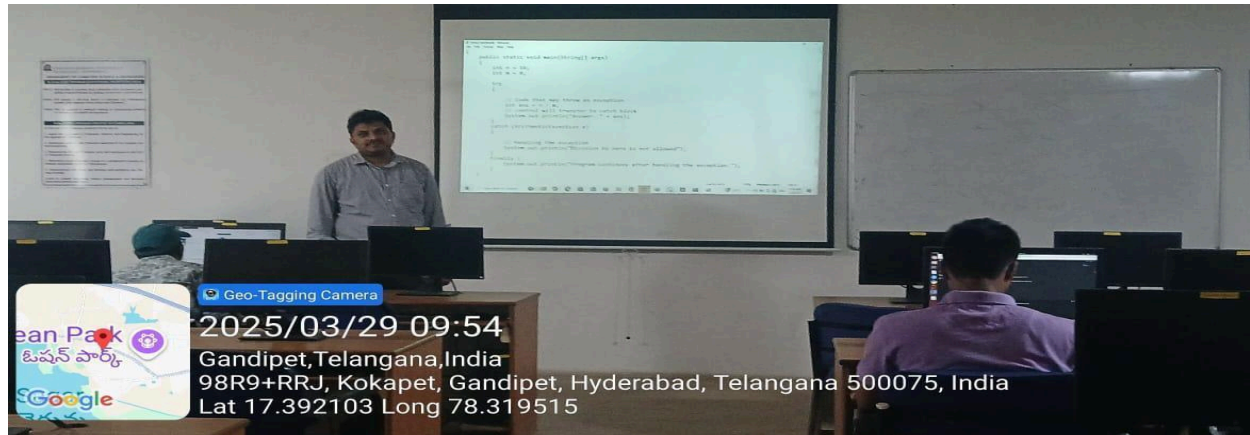


Dr. B. Ramana Reddy, Asst. Professor, Dept. of CSE, delivering the session 4 on
Day 2

Day-3-(29-03-2025)

Session-1:

Session 1 was taken from 9:30 AM to 11:00 AM by Dr. B, Ramana Reddy, Asst. Professor, CSE Dept. The lecture elaborated on try-catch blocks used to handle exceptions and prevent program crashes, along with the finally clause which executes code regardless of exception occurrence. He also explained how to throw and propagate exceptions using the throw and throws keywords. Additionally, the concept of custom exceptions was discussed, allowing developers to create their own exception classes for specific error handling needs.



Dr. B. Ramana Reddy, Asst. Professor, Dept. of CSE, delivering the session 1 on
Day 3

Session-2:

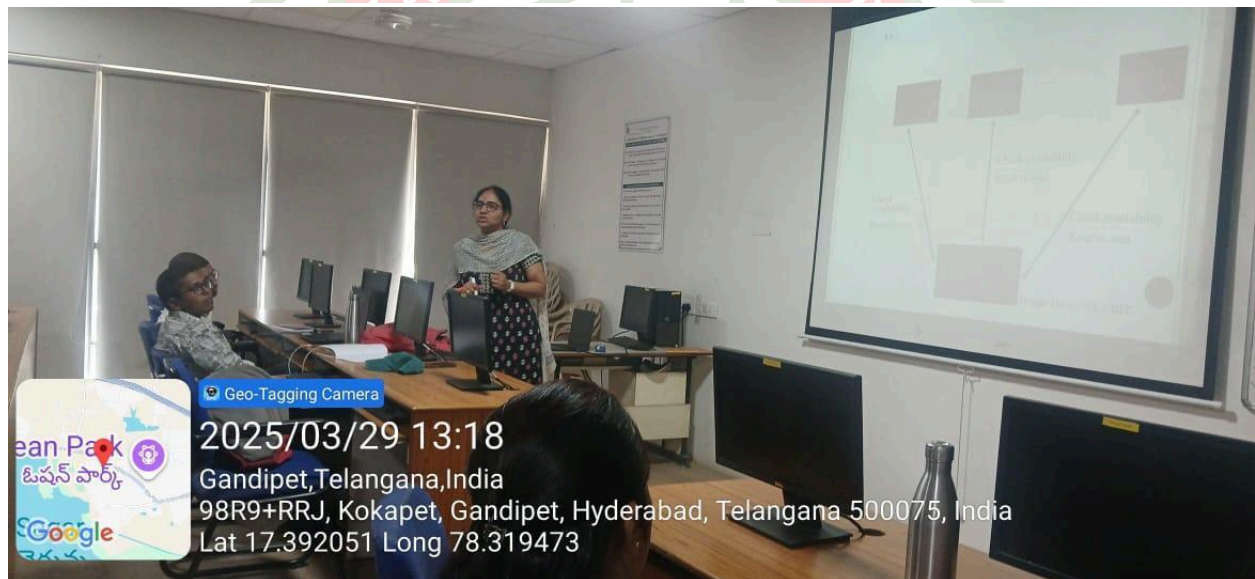
Session 2 conducted from 11:15 to 12:45 PM, by Dr. M Venkata Krishna Reddy, Asst. Professor, CSE Dept. The lecture introduced the concept of Multithreading, which allows multiple threads to run concurrently, improving program efficiency. He distinguished between threads (lightweight sub processes) and processes (independent executing programs). Methods for creating threads were discussed, specifically by extending the Thread class and implementing the Runnable interface.



Dr. M. Venkata Krishna Reddy, Asst. Professor, Dept. of CSE, delivering the
session 2 on Day 3

Session-3:

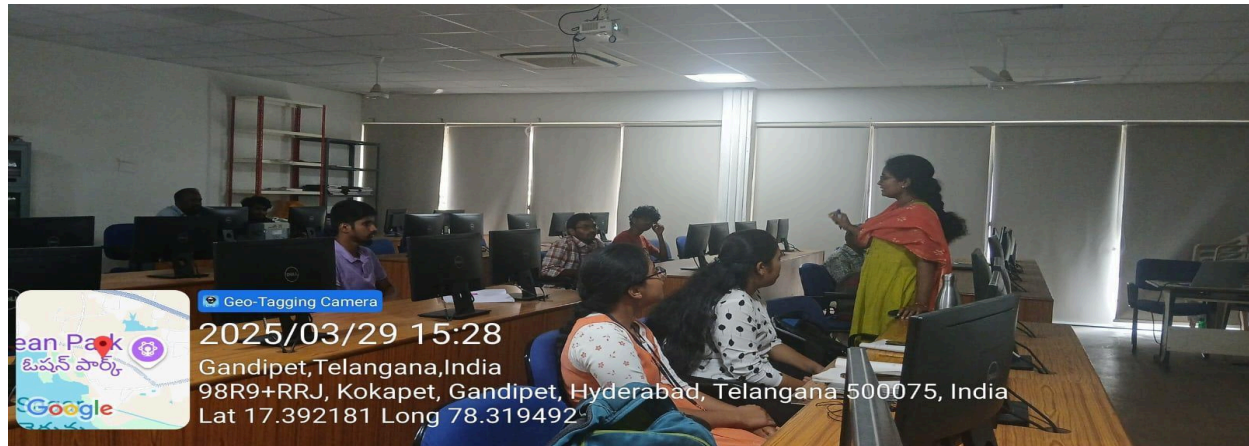
Session 3 conducted from 1:15 PM to 2:45 PM by Smt. S. Durga Devi, Assistant Professor, Department of CSE. The lecture focused on Thread Synchronization, explaining its role in preventing data inconsistency when multiple threads access shared resources. Techniques like the synchronized keyword were discussed. Additionally, Concurrency Utilities from the java.util.concurrent package were introduced, providing advanced tools like thread pools, semaphores, and locks to efficiently manage multithreading and synchronization.



Smt. S. Durga Devi, Asst. Professor, Dept. of CSE, delivering the session 3 on
Day 3

Session-4:

Session 4 conducted from 3:00 PM to 4:30 PM by Smt. E.Swathi, Asst. Professor, CSE Dept. The lecture introduced the Collections Framework in Java, which provides a unified architecture to store and manipulate groups of objects. It covered key Collection interfaces such as List (ordered collection with duplicates), Set (unordered collection without duplicates), and Map (key-value pair storage). These interfaces simplify data handling and improve code efficiency.



Smt. E. Swathi, Asst. Professor, Dept. of CSE, delivering the session 4 on Day 3

Day-4-(12-04-2025)

Session-1:

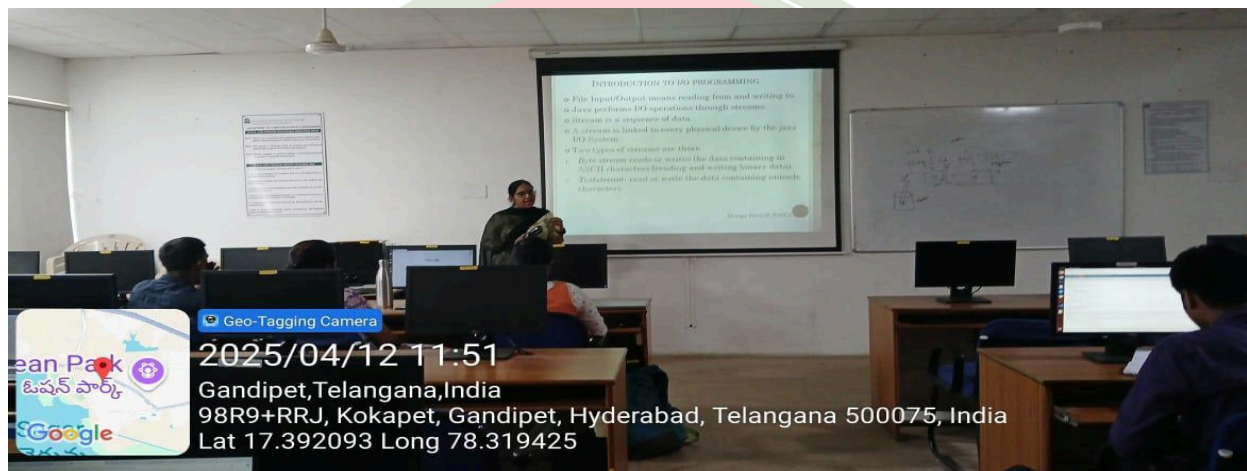
Session 1 conducted from 9:30 AM to 11:00 AM, by Smt. A.Sangeetha, Asst. Professor, CSE Dept. The lecture explained TreeMap and LinkedHashMap, both part of the Java Collections Framework. TreeMap stores key-value pairs in sorted order based on keys, while LinkedHashMap maintains the insertion order of elements. Additionally, the usage of Iterator and ListIterator was discussed for traversing collections, with Iterator allowing forward traversal and ListIterator supporting both forward and backward navigation.



Smt. A. Sangeetha, Asst. Professor, Dept. of CSE, delivering the session 1 on
Day 4

Session-2:

Session 2 conducted from 11:15 to 12:45 PM by Smt. S.Durga Devi, Asst. Professor, CSE Dept. The lecture introduced the Basics of File I/O in Java, focusing on reading from and writing to files. She highlighted the use of Buffered Streams like BufferedReader and BufferedWriter, which enhance efficiency by reducing the number of read/write operations through internal buffering, making file handling faster and smoother.



Smt. S. Durga Devi, Asst. Professor, Dept. of CSE, delivering the session
2 on Day 4

Session-3:

INSTITUTE OF TECHNOLOGY

Session 3 conducted from 1:15 PM to 2:45 PM by Prof. R Ravinder Reddy, Professor, CSE Dept. The lecture discussed important classes of the Java Collections Framework. ArrayList and LinkedList are used for ordered lists, where ArrayList provides fast random access and LinkedList allows quick insertions/deletions. HashSet and TreeSet are used to store unique elements, with HashSet offering fast, unordered storage and TreeSet maintaining sorted order. HashMap was introduced for storing key-value pairs, allowing efficient data retrieval based on keys.

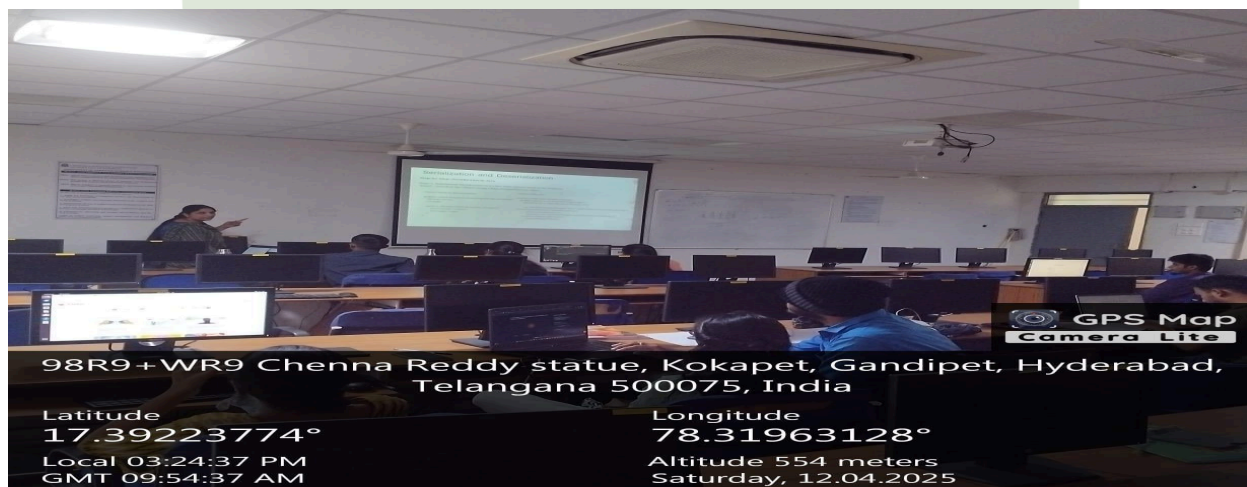


Prof. R. Ravinder Redy, Professor, Dept. of CSE, delivering the session 3 on Day

4

Session-4:

Session 4 conducted from 3:00 PM to 4:30 PM by Smt. A.Sangeetha, Asst. Professor, CSE Dept. The lecture explained Serialization, the process of converting an object into a byte stream for storage or transmission. She also covered Deserialization, which reconstructs the object from the byte stream. These concepts are essential for saving object states and transferring objects over networks in Java.

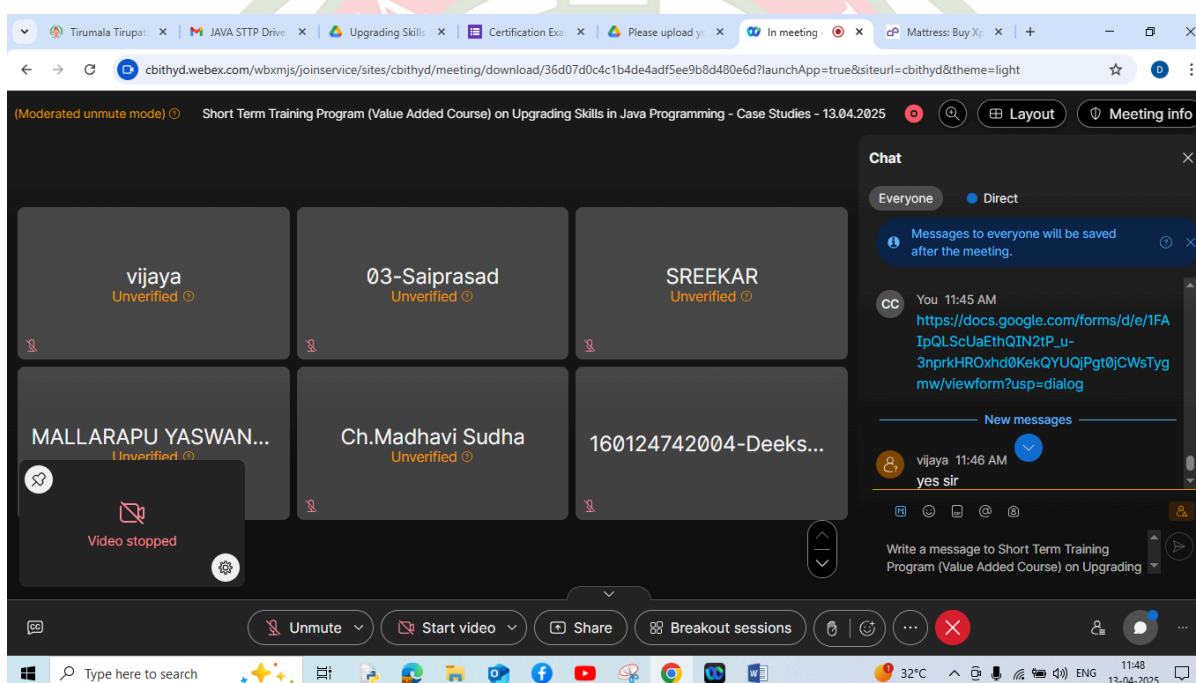


Smt. A. Sangeetha, Asst. Professor, Dept. of CSE, delivering the session 4 on
Day 4

Day-5-(13-04-2025) (Online)

Session-1 & 2:

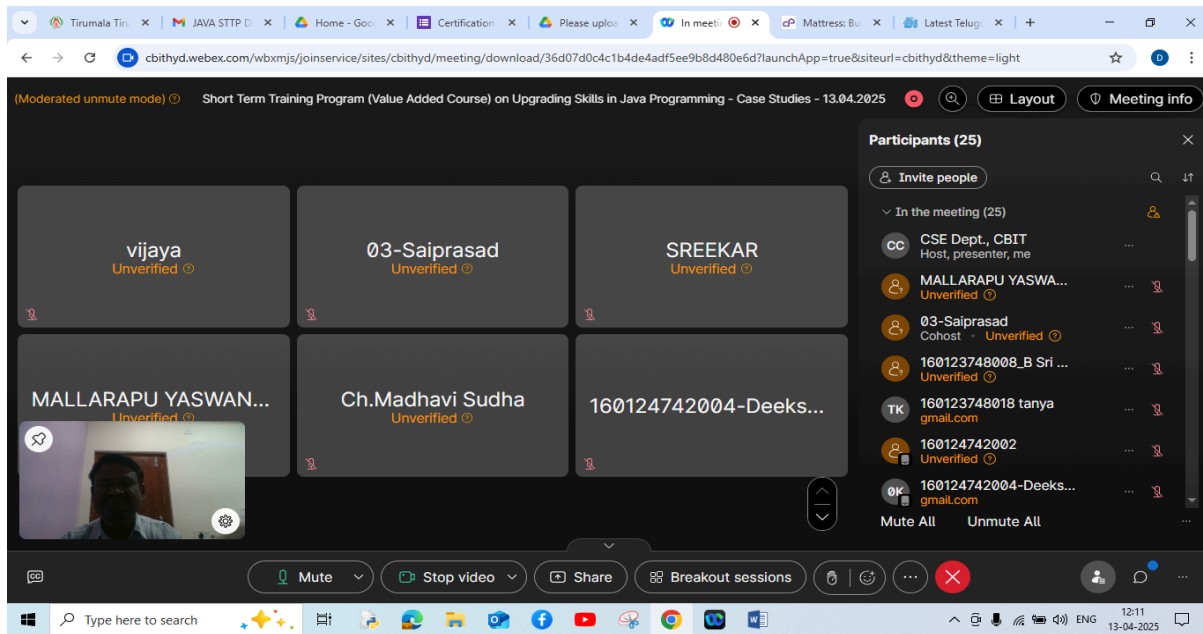
Session 1 & 2 conducted from 9:30 AM to 11:00 AM by Dr. M. Venkata Krishna Reddy, Asst. Professor, CSE Dept. through online mode using webex platform. Case Studies on Inheritance and Exceptional Handling were given. Participants were asked to complete the task and upload the same in the drive provided.



Online session 1 & 2 - Drive provided to upload the case studies

Session-3 & 4:

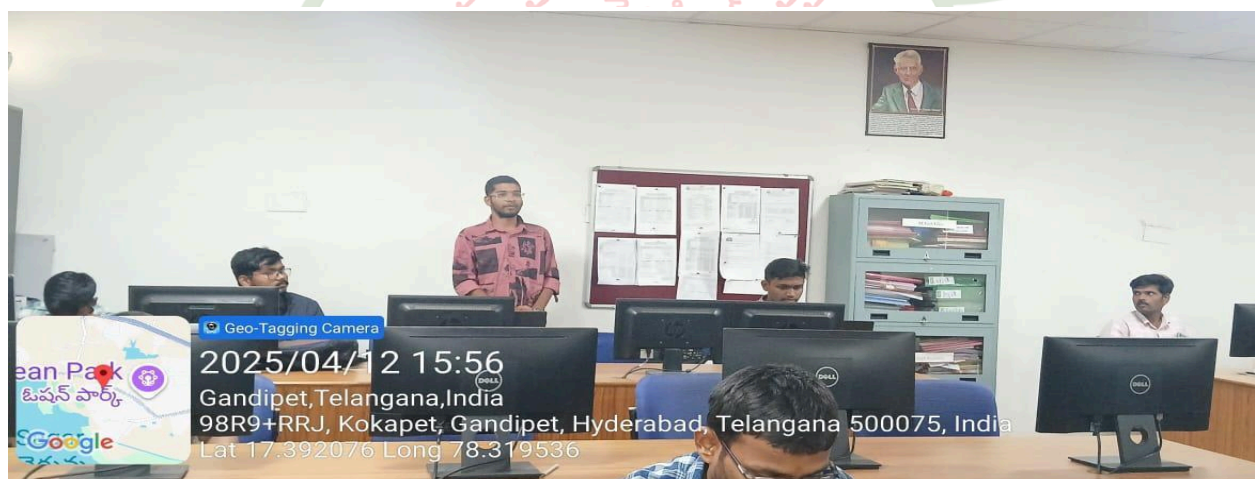
Session 3 & 4 conducted from 11:00 AM to 12:30 PM by Dr. M. Venkata Krishna Reddy, Asst. Professor, CSE Dept. through online mode using webex platform. Case Studies on Multiple Threading and Collections were given. Participants were asked to complete the task and upload the same in the drive provided. Examination is conducted by providing the google form to all the participants at the end of the session 4 on the final day of STTP.



Online session 3 & 4 - Case studies& Examination conducted for the participants

Valedictory Session:

Feedback was collected through the google form from the participants during the valedictory session. Participants expressed their experience during the STTP and provided valuable insights to be carried further. Dr. M. Venkata Krishna Reddy proposed the vote of thanks. The valedictory session was concluded with a photo snap of all the participants, resource persons, and the coordinating team.



Participants giving the feedback on the occasion of valedictory
Department of Computer Science and Engineering



Snapshot on the occasion of valedictory

Objectives of the Workshop:

- Enable students and faculty to enhance their understanding of programming concepts and their ability to apply them using the Java programming language.
- Enable the students to compete in the Placements confidently.
- Enable students to code their projects in an object-oriented approach.

Enclosed:

- Event Flyer & Schedule
- Attendance Forms
- Feedback Form & Responses
- Certification Exam Form
- Profile of Resource Persons
- Approval Letter
- Sample certificates

Dr. M. Venkata Krishna Reddy

Asst. Professor & Faculty Coordinator,
Dept. of CSE

Ms. I. Srujana

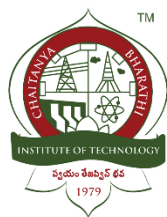
Asst. Professor & Faculty Coordinator,
Dept. of CSE

Ms. Ch. Madhavi Sudha

Asst. Professor & Faculty Coordinator,
Dept. of CSE

Ms. A.Sangeetha

Asst. Professor & Faculty Coordinator,
Dept. of CSE



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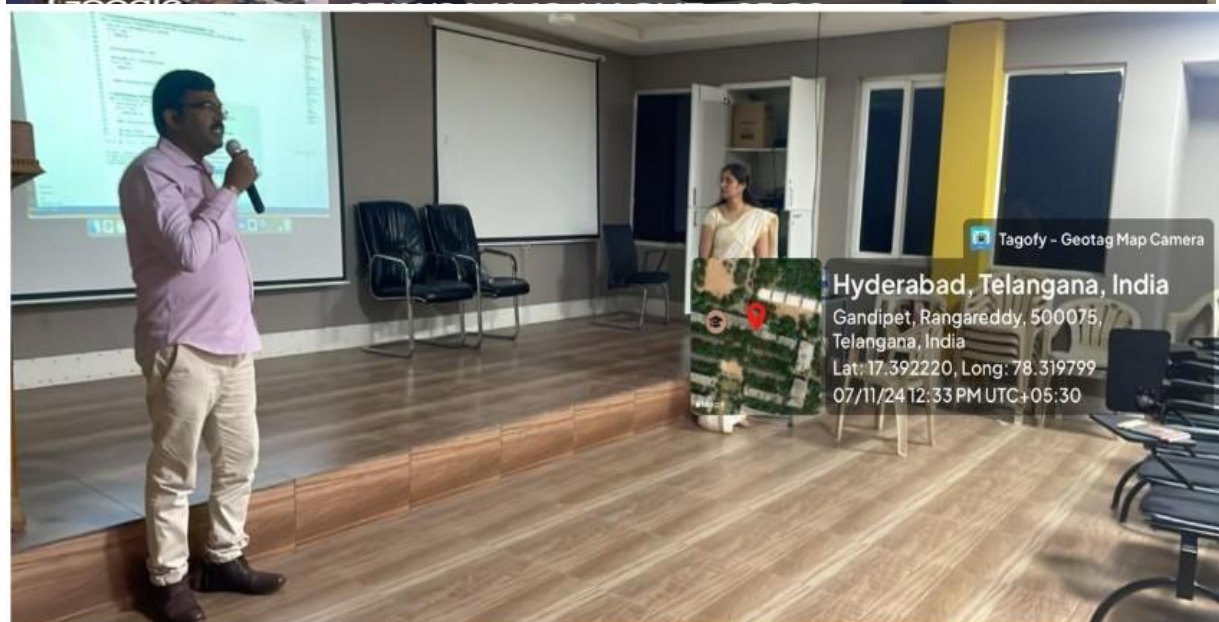
46
years

NOV 2024

- **Expert Talk on “Expert Talk on “Technology & AI Revolution” and “Blockchain Technology”** during the 6th and 7th of November in CSE Seminar Hall C203. The Resource persons are Ms. Subhashini Puram and Mr.Venkata Ramana Reddy Parine Principal Member and Member, Technical Staff, Sales Force, Hyderabad. The sessions are meant for VII.V, PG students, and the Faculty of CSE. The session was scheduled from 11.00 AM to 12.30 PM. The total number of participants is around 260 from both VII and V SEM and the faculty coordinators are Dr. R. Ravinder Reddy, Professor, Dr. E.Padmalaatha, Assoc. Professor, and Dr. M Venkata Krishna Reddy, Assistant Professor from the Department of Computer Science and Engineering.



Dr. M.Venkata Krishna Reddy, Assistant Professor, Dept. of CSE and Faculty
Coordinator hosting the event



Dr. R. Ravinder Reddy Proposing vote of thanks

OCT 2024

➤ **Expert Talk on “Preparing for the Corporate World and Paving your Career Path”**
– **October 23rd , 2024**

The Department of Computer Science and Engineering at Chaitanya Bharathi Institute of Technology, Hyderabad has conducted an Expert Talk on ” Preparing for the Corporate World and Paving your Career Path” on October 23rd, 2024, in offline mode, CSE Seminar Hall C203. The Faculty Coordinators for the Event Talk is Dr. R. Ravinder Reddy, Professor and Dr. E. Padmalatha, Associate Professor, Dr. M. Venkata Krishna Reddy, Assistant Professor, Department of CSE. The Resource Person for the workshop was Ms. Subhashini Puram, Principal Member, Technical Staff, Salesforce, Hyderabad, The session was scheduled from 11.00 AM to 12.30 PM. This talk is open to all III Sem CSE students and faculty. The number of participants who attended is 163. A brief introduction of the Resource Person was given by Dr. M. Venkata Krishna Reddy, faculty coordinator. The technical support was given by Mr. J. Rajesh Programmer of Department of Computer Science and Engineering, Feedback was collected at the end of the expert talk from the participants Dr. R. Ravinder Reddy proposed vote of thanks. Ms. Subhashini Puram, the speaker, stated the session by introducing the examples of building a good resume and delegated its importance. Topics covered in the session are preparing for corporate world, companies' expectations from the aspirants, latest technologies, importance of hackthons, etc. She has given three problem statements to the participants to solve. The resource persons delivered the concepts and demonstrated with real time examples and experiences.

Objectives of the Workshop:

To create awareness on corporate world.

To provide insight into the career development.

To acquaint the participants with necessary motivation for paving their career path



Dr. M. Venkata Krishna Reddy, Assistant Professor, Dept. of CSE and Faculty Coordinator



Resource Person Ms. Subhashini Puram delivering the talk



Participants during the session



Participants along with Speaker Ms. Subhashini Puram

SEP 2024

➤ A Workshop on “Real Time Business Processing using IKU” Sep 30th, 2024

The Department of Computer Science and Engineering at Chaitanya Bharathi Institute of Technology, Hyderabad has conducted a Workshop on “Real Time Business Processing using IKU” in online mode on 30th September, 2024. The Faculty Coordinators for the workshop is Dr. S. China Ramu, Professor, Dr. M. Swamy Das, Professor, Dr. R. Ravinder Reddy, Professor and Co-coordinators are Dr. K. Morarjee, Associate Professor, Dr. G. Vanitha, Associate Professor and Smt. T. Suvarna Kumari, Assistant Professor from Department of Computer Science and Engineering. The sessions were scheduled from 2.00 PM to 4.00 PM. The Resource person for the workshop is Dr. N. Vijay Kumar, Senior consultant, Deloitte. This program is open to all B.E(CSE) students. The no. of participants who attended is 149. Inaugural of the workshop was hosted by Dr. K. Morarjee, faculty co-coordinator. Sir has given the opening remarks and also emphasized the importance, objectives and goals of Realtime business data processing using IKU in current corporate world. A brief introduction was given about Resource Person Dr. N. Vijay Kumar. The technical support was provided by Mr. Koti Babu and Mr. P. Ramesh Babu, programmers of Department of Computer Science and Engineering for the workshop in streaming and certificate generation. Feedback was collected at the end of the workshop from the participants. Dr. N. Vijay Kumar, the resource person for the session shown the participants installation of IKU software and demonstrated, how to create own template using IKU for real-time business data processing. IKU is a software system for real-time business data processing. The resource persons delivered the concepts behind the program and demonstrated with examples. He conducted hands on session that enabled participants to understand the concepts clearly.

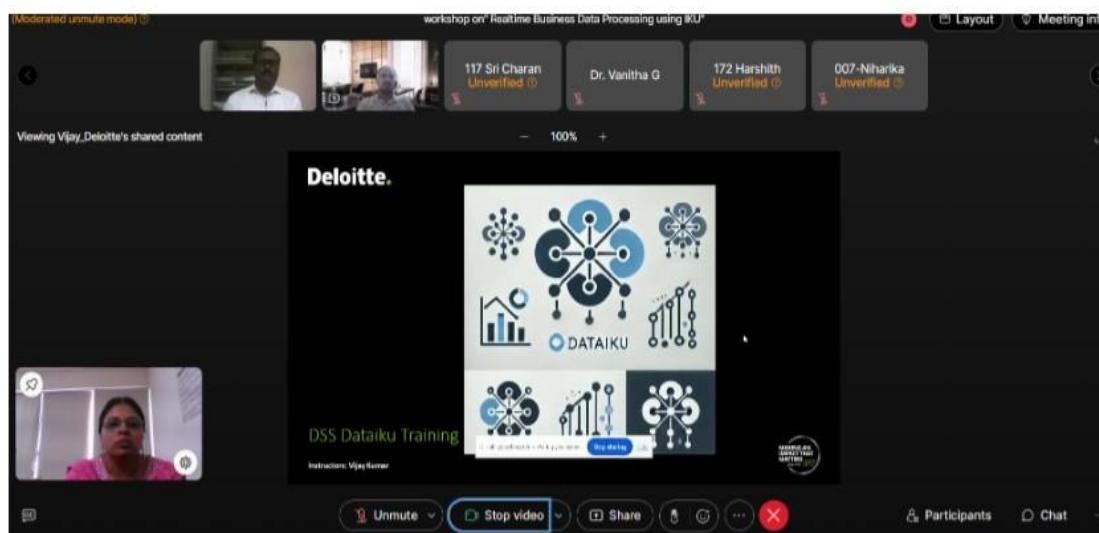
Objectives of the Workshop:

To create awareness on Data IKU
To provide instructor-led hands on live approach on writing skills.
To acquaint the participants with real-time business data processing.
The online links for Webex and Feedback and are as follows:

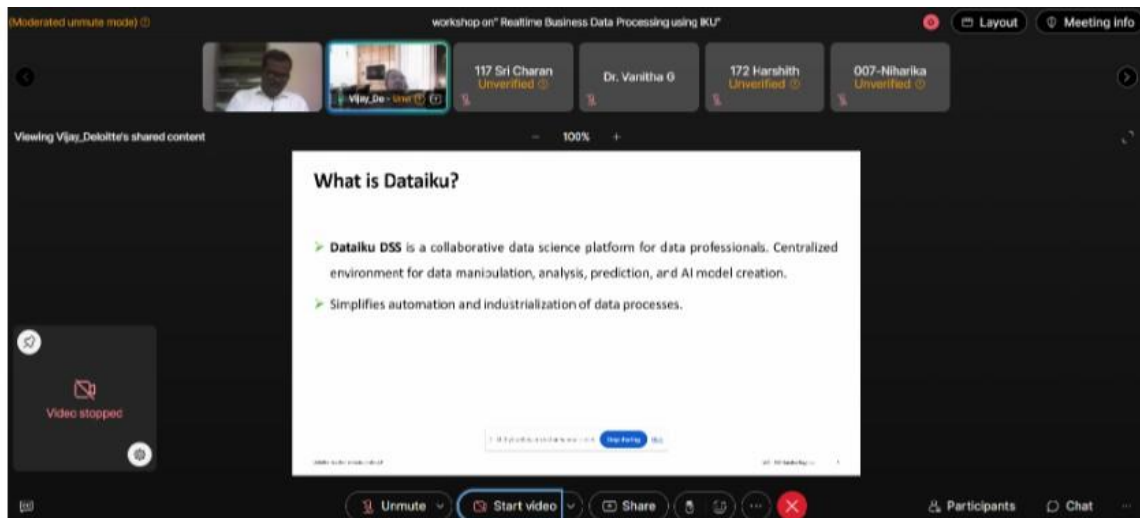
Webex Link :

<https://cbithyd.webex.com/cbithyd/j.php?MTID=m5402262fc212f6a1691ba0ec8e5897c3>

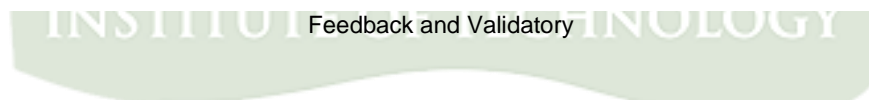
Feedback Link– <https://forms.gle/qyPXbZBubgYUtxkLA>



Dr. K. Morarjee, Associate Professor, Dept of CSE and Faculty Co-Coordinator hosting the event



Dr. N Vijay Kumar, Resource Person, demonstrating the concepts of Data IKU



Feedback and Validatory

JUNE 2024

➤ **One Week National Level Faculty Development Programme on “Quantum Computing: Building a Rapid and Secure Information Tomorrow” June 11th to 15th, 2024**

The department of Computer Science and Engineering at Chaitanya Bharathi Institute of Technology, Hyderabad has conducted a One Week National Level Faculty Development Programme on “Quantum Computing: Building a Rapid and Secure Information Tomorrow” from June 11th to 15th, 2024. The convenor for the FDP Prof. D. Raman, HoD, Coordinator for the FDP is Dr. V. Padmavathi Associate Professor, Department of CSE. Co-Coordination for the FDP is Dr. Uma Maheswari V., Associate Professor, Dr. Ravi Uyyala, Associate Professor, Smt. G. Shanmukhi Rama, Assistant Professor and Organizing Committee for the FDP is Smt. Ch. Madhavi Sudha, Assistant Professor, Sri. A. Mohan, Assistant Professor, Sri. M. Venkata Krishna Reddy, Assistant Professor, Smt. M. Naga Jyothi, Programmer, Sri. B. Sangeev Kumar, Programmer, Sri. P. Ramesh Babu, Programmer.

Resource Persons for the FDP:

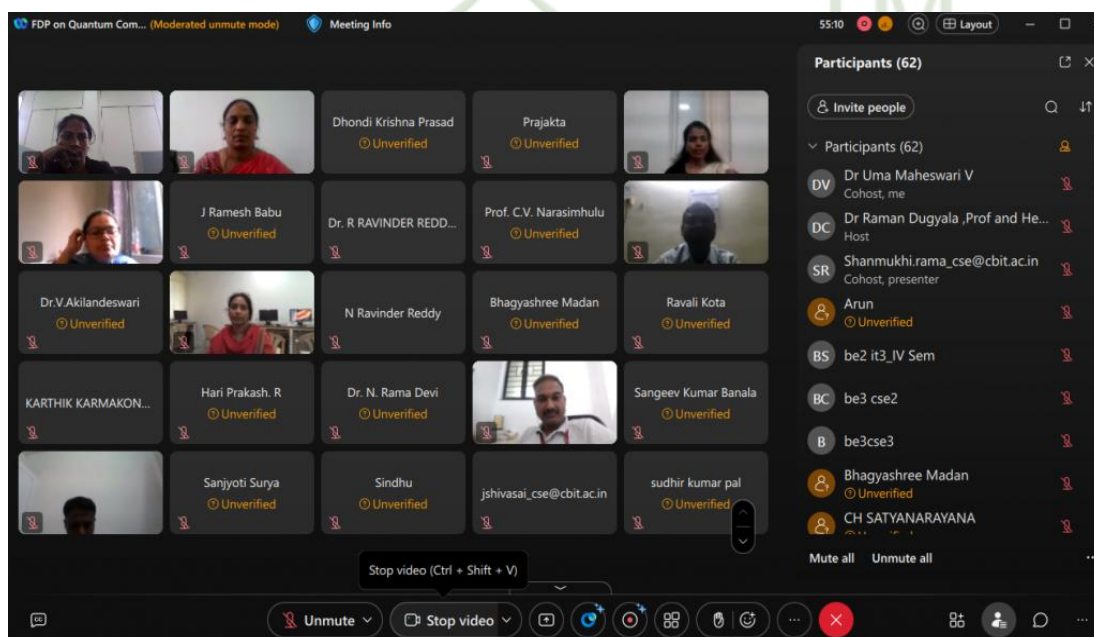
- Dr. Prem Laxman Das, Society for Electronic Transactions and Security (SETS), Chennai
- Dr. Kannan Srinathan Center for Security, Theory and Algorithmic Research (CSTAR), IIIT Hyd
- Venkat Raman B., RGUKT (IIIT), Basar
- Chiranjeevi V., CSTAR, IIIT Hyderabad.
- S. Shodasakshari Vidya, CSTAR, IIIT Hyderabad
- Dr. V. Padmavathi, CBIT, Hyderabad

Day 1: FN Session

The FDP has paved the way for the Faculty, Research Scholars, Students, and Industry Professionals in the Quantum Computing. The Inaugural session started with the welcome address by Smt. Shanmukhi Rama, Co-Coordinator of the FDP. The session was graced by the Principal, Prof. C. V. Narasimhulu, the key note speaker Dr. Prem Laxman Das and Prof. D. Raman, Head of the Department, CSE. Dr. V. Padmavathi, Co-Ordinator of the FDP briefed about the details of the FDP.

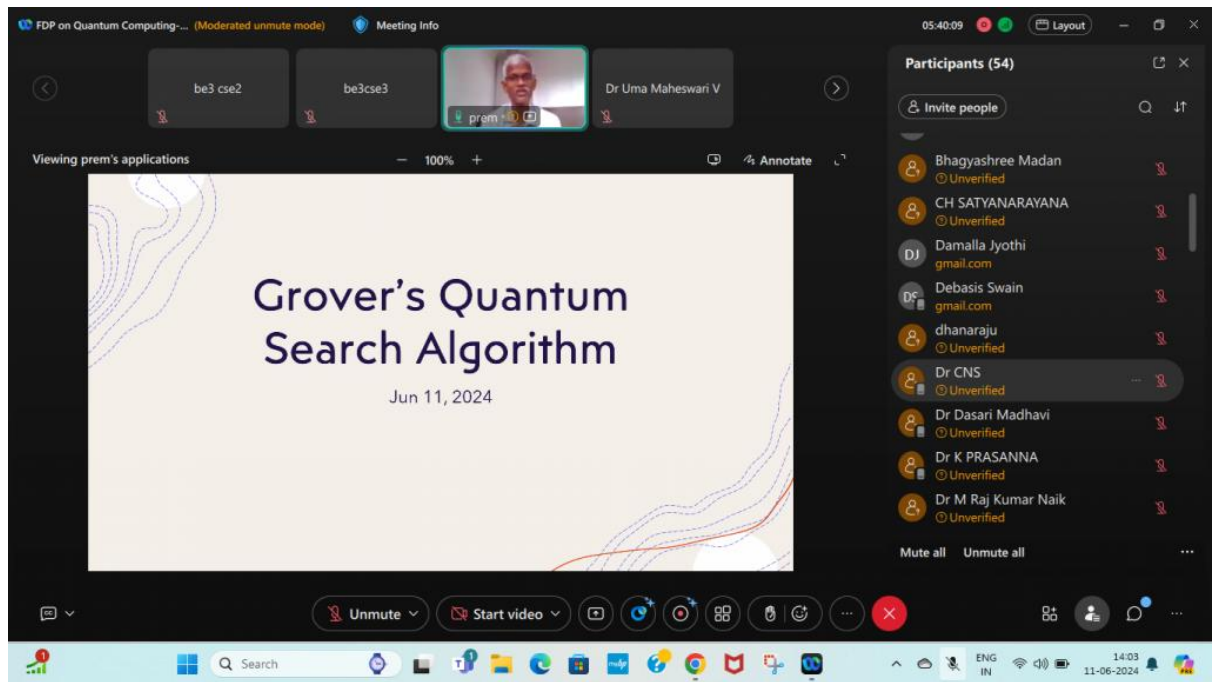
Dr. V. Padmavathi, Associate Professor, Dept. of CSE, CBIT has started the session with Fundamentals of Quantum Computing of Quantum Computing, principles of Quantum Mechanics. Later, Dr. Padmavathi has carried on with elucidating the probability of photon received when prepared in same or different basis. Followed by concepts like Quantum Cryptography, Quantum Key Distribution (QKD) and also explained different QKD protocols. Participants were very interactive with resource person in Q & A session.

The session was concluded with proposing vote of thanks by Smt. Shanmukhi Rama and feedback from participants.



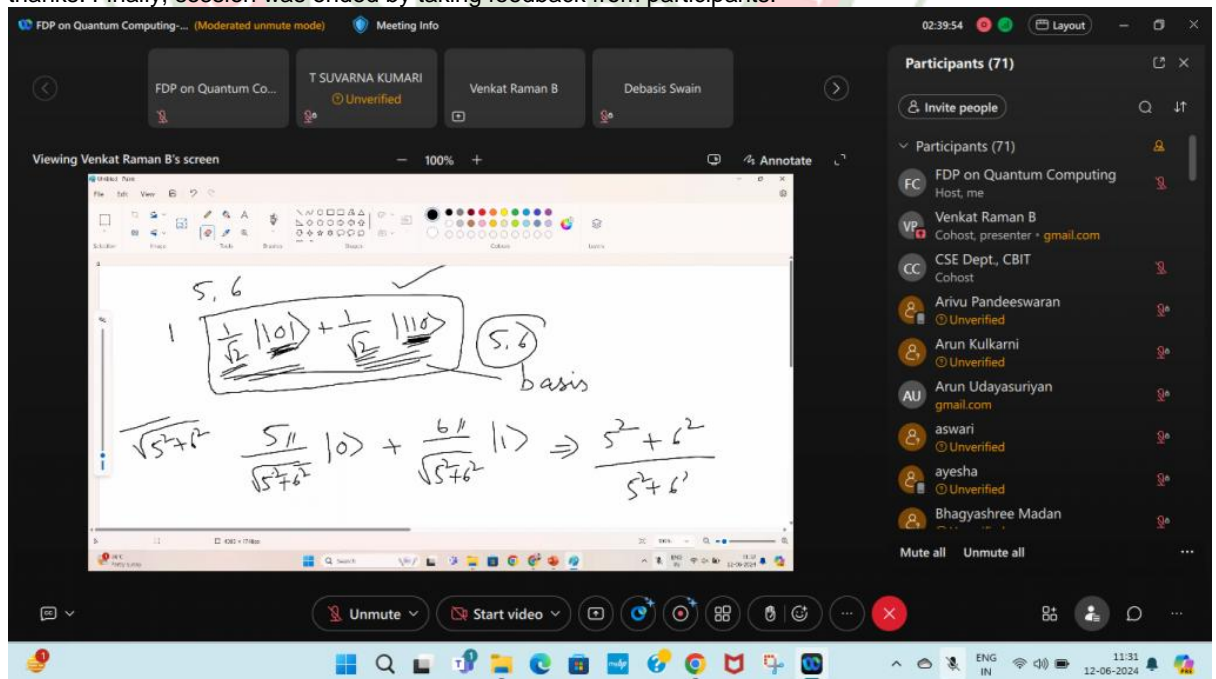
Day 1: AN Session

The afternoon session of Day 1 was on Grover's Search algorithm by Dr. Prem Laxman Das. A detailed illustration of the algorithm and its complexity were discussed in the session. And then resource person has addressed all the questions imposed by participants. The session was concluded with proposing vote of thanks by Dr. Uma Maheswari V and feedback from participants.



Day 2: FN Session

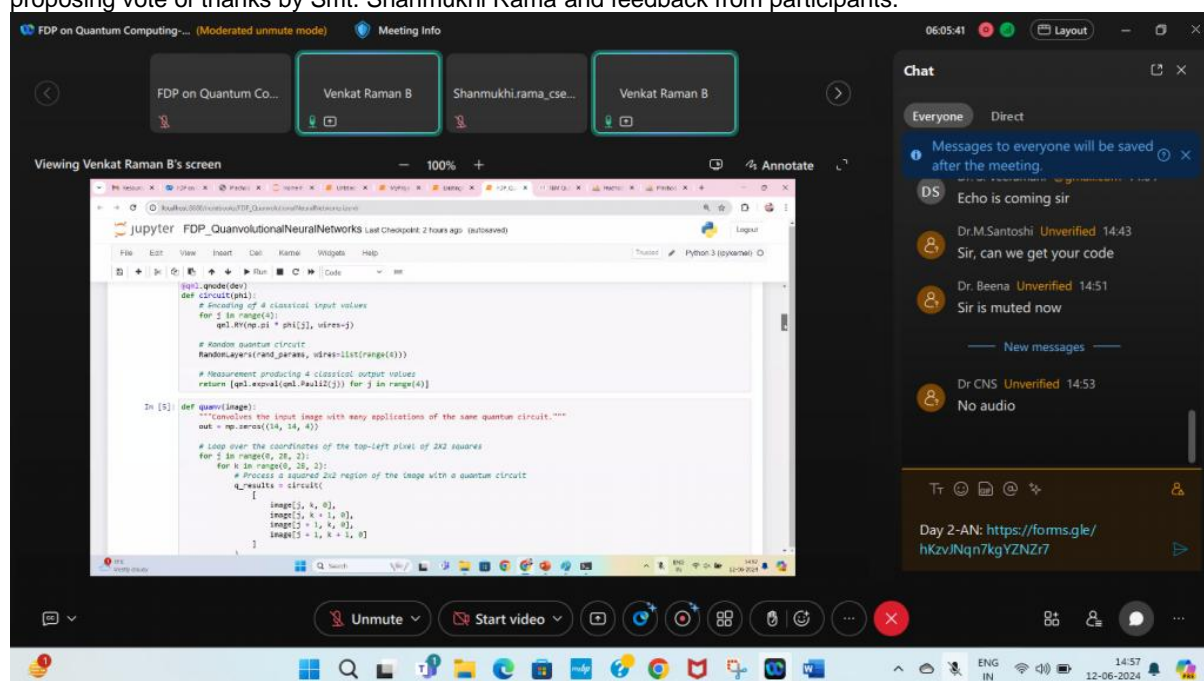
Second day participants were very enthusiastic to know about Quantum Machine Learning (QML) for Image Classification. Venkat Raman B has started the session with pictorial representation of qubits, Bloch sphere representation, double slit experiment. The quadrant of QML, data and amplitude embedding were explicated by the resource person. And then resource person has addressed all the questions imposed by participants. At the end, Dr. V. Padmavathi, took the privilege to propose vote of thanks. Finally, session was ended by taking feedback from participants.



Day 2: AN Session

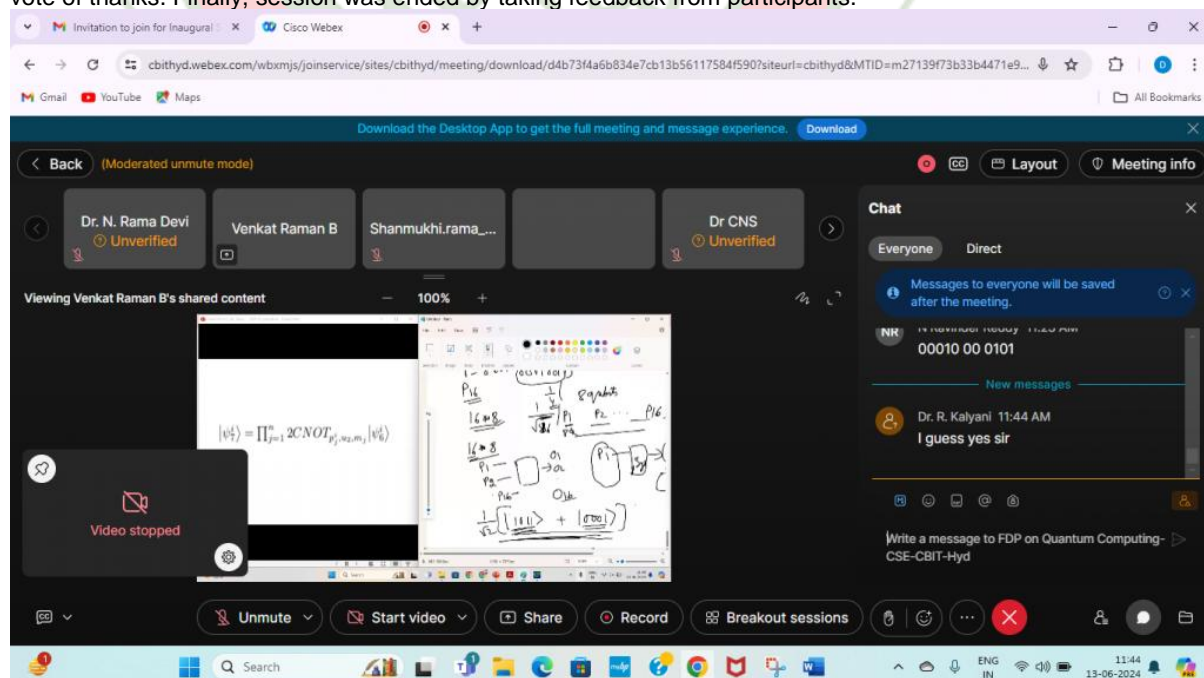
The afternoon session was continued by Venkat Raman B on Implementation of QML using IBM's Qiskit framework. The concept of Quantum Neural Network was made known to all the participants. The programming for quantum circuit construction using Qiskit framework was shown. The interaction between

speaker and the participants continued throughout the session. The session was concluded with proposing vote of thanks by Smt. Shanmukhi Rama and feedback from participants.



Day 3: FN Session

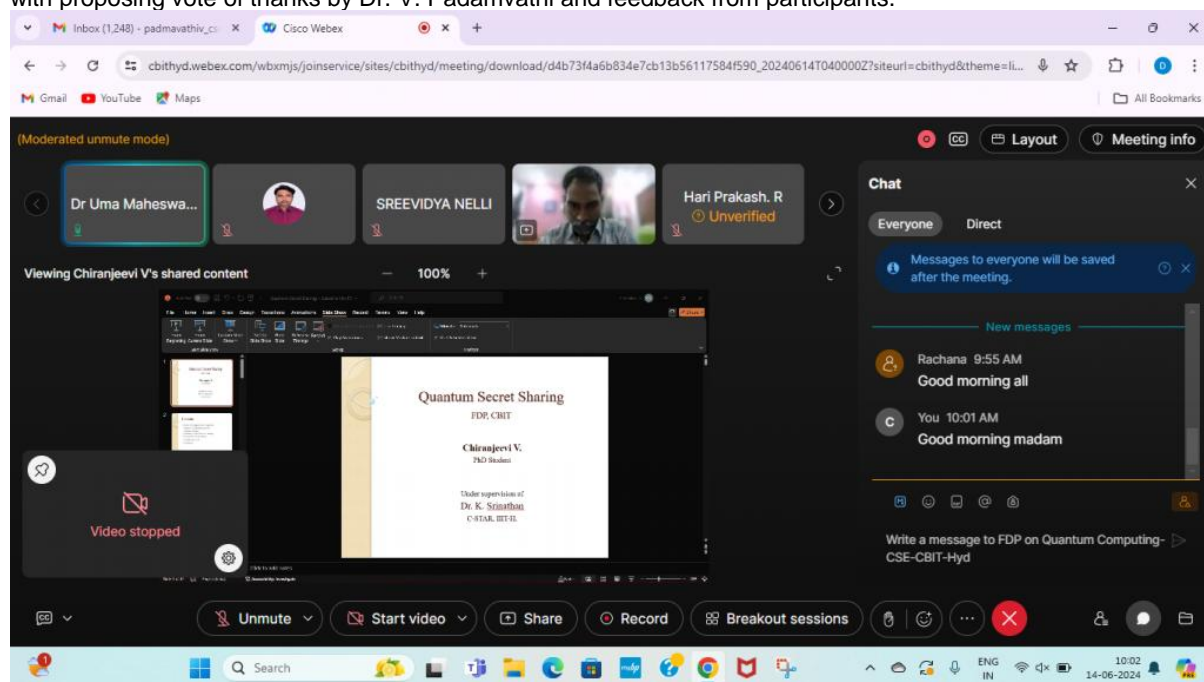
On third day the session was conducted by Venkat Raman .B on Quantum Memory. The concept was explained with a research article titled Parametric Probabilistic Quantum Memory. The participants have shown their enthusiasm in Q & A session. At the end, Smt. Shanmukhi Rama, took the privilege to propose vote of thanks. Finally, session was ended by taking feedback from participants.



Day 3: AN Session

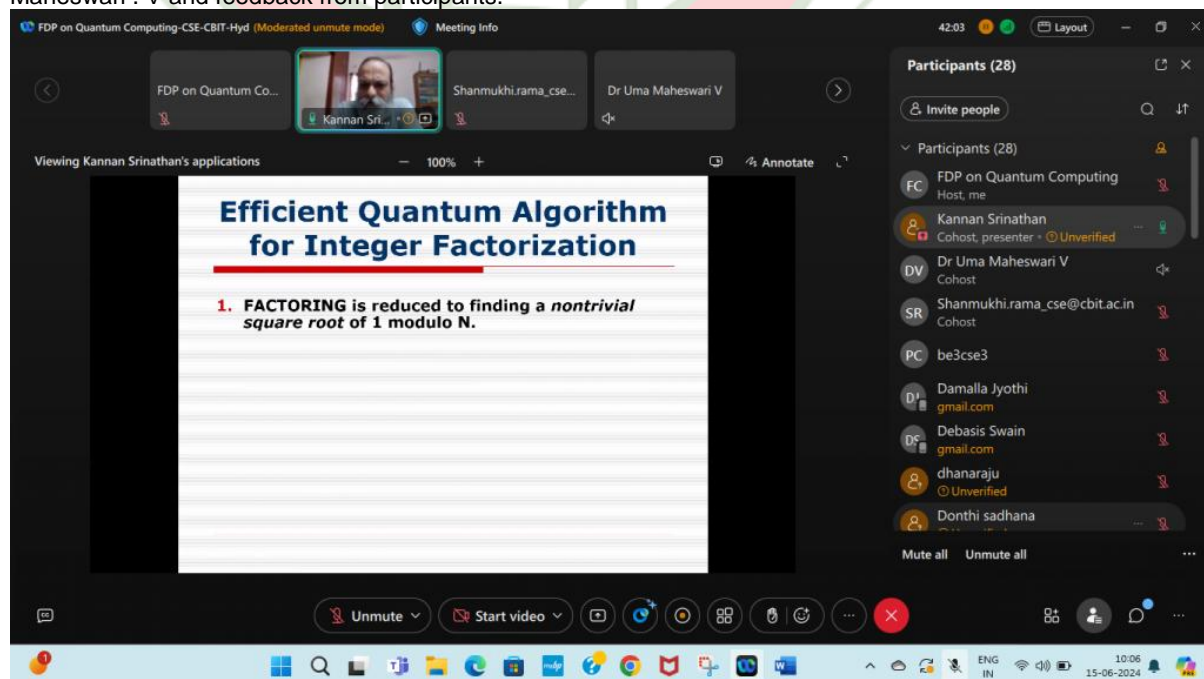
The AN session was carried forward by Venkat Raman B. on Pattern Classification using Quantum Hopfield Network. The session started with the explanation of neuron connection. Later, the concepts like

density matrix, pattern classification, quantum numerical example were discussed. The session was carried out with speaker and participants solving the example simultaneously. The session was concluded with proposing vote of thanks by Dr. V. Padamvathi and feedback from participants.



Day 4:

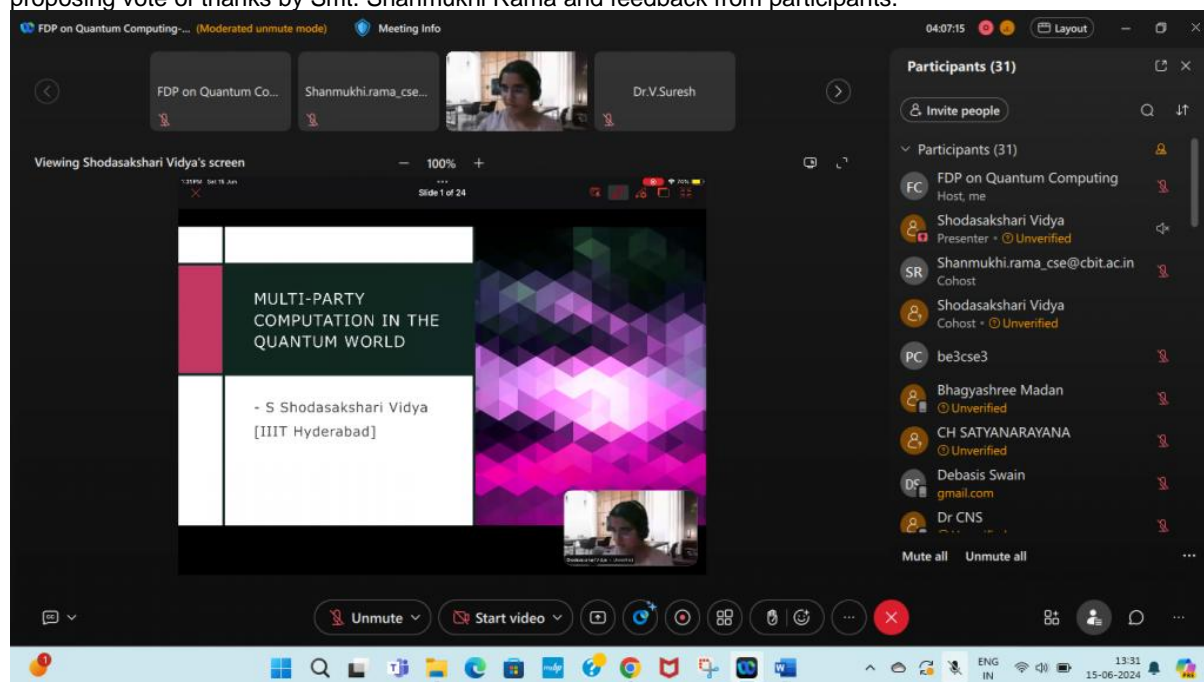
The session on Quantum Secret Sharing (QSS) was delivered by Chiranjeevi V on fourth day. As part of this, problem statement, background of classical secret sharing were discussed. Also, the detailed description about QSS, revocation concept were presented. Also, explained the cryptographic properties implemented by these methods. The session was concluded with proposing vote of thanks by Dr. Uma Maheswari . V and feedback from participants.



Day 5: FN Session

On last day of FDP the fore session was conducted by Dr. Kannan Srinathan on How to Break RSA. The resource person started the session with the discussion on quantum mechanics, postulates. Then

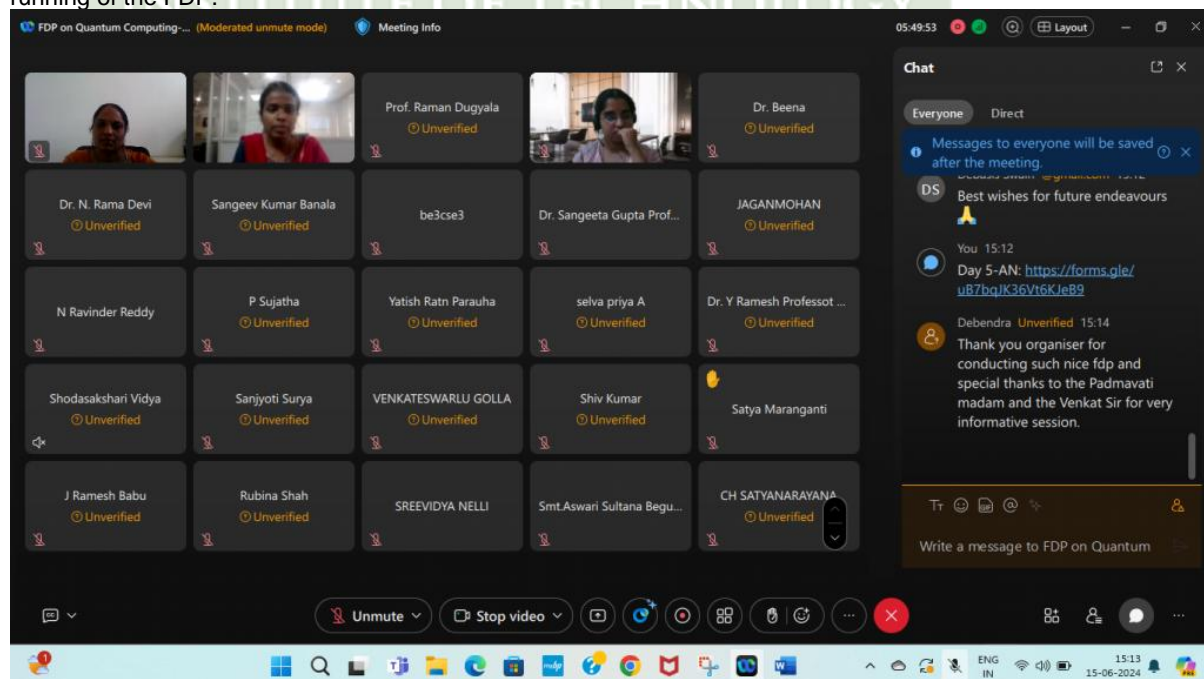
explained in detail about four steps of Shor's algorithm, Techniques of Quantum Fast Fourier Transform. Participants were very interactive with resource person in Q & A session. The session was concluded with proposing vote of thanks by Smt. Shanmukhi Rama and feedback from participants.



Day 5: AN Session

The afternoon session was conducted by S. Shodasakshari Vidya on Quantum Multi Party Computation (Quantum MPC). The resource person started the session with the discussion on problem statement. Then explained in detail how classical protocols secure against quantum adversaries, better quantum protocols for MPC. Then highlighted on Oblivious transfer, Bit commitment. The interaction between speaker and the participants continued throughout the session. The session was concluded with proposing vote of thanks by Smt. Shanmukhi Rama and feedback from participants.

The One-Week National Level FDP was concluded with Valedictory ceremony. Participants have enthusiastically provided positive and encouraging comments for the the Coordinators, the Co- Coordinators, the Organizing Committee, Department of CSE, Principal, Management, and the smooth running of the FDP.



Press Report:

CBIT Hosts 1 Week National Level Faculty Development Program on Quantum Computing

DECCAN NEWS SERVICE
HYDERABAD

The Chaitanya Bharathi Institute of Technology (CBIT) successfully conducted a groundbreaking one Week National Level Online Faculty Development Program (FDP) on "Quantum Computing: Building a Rapid and Secure Information Tomorrow" organized by the Department of Computer Science and Engineering from June 11th to June 15th, 2024. This intensive program aimed to equip faculty members with cutting-edge knowledge and practical skills in the rapidly evolving field of quantum computing.

The event saw 125 participants, Faculty, Students, Research scholars from various states including Mohali, Punjab,



jab, Tumakur, Karnataka, Vijayawada, Jamshedpur, Jharkhand, Mumbai Auragabad have actively participated in the FDP. The FDP covered both basic and advanced Quantum computing concepts like Quantum Key Distribution, Grover's Search Algo-

rithm, Quantum Machine Learning (QML) for Image Classification, Implementation of QML using IBM's Qiskit framework, Quantum Memory, Pattern Classification using Quantum Hopfield Network, Quantum Secret Sharing, Quantum Multi Party

Computation, How to Break RSA using Shor's algorithm, featuring a interactive participants. Prominent speakers from IIIT Hyderabad, IIIT Basar, SETS Chennai, CBIT have shared their expertise and offered their knowledge and perspectives.

➤ One Week National Level Faculty Development Programme on "Machine Learning Applications for Engineers" June 3rd to 7th, 2024

The Department of Computer Science and Engineering at Chaitanya Bharathi Institute of Technology, Hyderabad has conducted a One Week National Level Faculty Development Programme on "Machine Learning Applications for Engineers" from June 3rd to 7th, 2024. The Faculty Coordinators for the FDP is Prof R. Ravinder Reddy, Professor and Dr. T. Sridevi, Associate Professor, Department of CSE. Co- Coordinators for the FDP is Smt. Ch.Vijaya Lakshmi, Smt A.Sangeeta, Sri. J.Shiva Sai, Assistant Professors and Organizing Committee for the FDP is Smt. E. Swathi, Smt Isha Padhy, Smt B. Deepthi, Sri. K. Karthik, Assistant Professors, Smt. M. Naga Jyothi, Programmer, Sri. B. Sangeev Kumar, Programmer, Sri. P. Ramesh Babu, Programmer.

Resource Persons for the FDP:

Dr. Damodar Reddy Edla, NIT, Gao.
Dr. Ramalinga Swamy Cheruku, NIT, Warangal
Dr. R. Ravinder Reddy, CBIT, Hyderabad.
Dr. Dharavath Ramesh, IIT, Dhanbad.
Sushma Iliger, NIT, Gao.
Soniya, NIT, Goa.
Dr. Vinay Raj, NIT, Trichy.
Dr. Sangram Ray, NIT, Sikkim.
Vaishali Shirodkar, NIT, Goa.
Dr. C. Vinaya, Ph.D., ASU, USA(CBIT Alumni)
Dr. M. Swamy Das, CBIT, Hyderabad.
Dr. T. Sridevi, CBIT, Hyderabad.
Smt. I. Srujana, CBIT, Hyderabad.

Activities

Image Viewer

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Website-FDP-Banner-MLAE-CSE-CBIT-1536x642.png

jayababu

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

IN TECHNICAL ASSOCIATION WITH


ACM HYDERABAD DECCAN CHAPTER

ORGANIZING


A One Week National Level Faculty Development Programme in

MACHINE LEARNING APPLICATIONS FOR ENGINEERS


RESOURCE PERSONS




Dr. Damodar Reddy Edla
NIT, Goa




Dr. Dhoravath Ramesh
BIT, Dhanbadh




Dr. Ramalinga Swamy
NIT, Warangal




Dr. Vinay Raj
NIT Trichy




Dr. Sangram Ray
NIT, Sikkim




Dr. Vinaya. C
Tempe, Arizona, United States
(CBIT Alumni)




Prof. M. Swamy Das
CBIT



Prof. R. Ravinder Reddy
CBIT



Dr. Sridevi Tumula
CBIT



Smt. I. Sujana
CBIT

Registration Link:
<https://forms.gle/wQacV5nMGJWmx8q9>
For more details visit : www.cbit.ac.in

From 3rd to 7th June, 2024

Online Mode


Intended Participants
Faculty, Research Scholars,
PG Students, and Industry Professionals.

One Week National Le... (Moderated unmute mode)


Meeting Info

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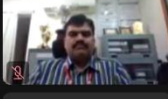
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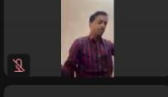
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R.sukruta
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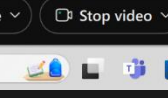
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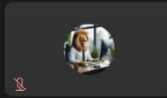
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mprashanth
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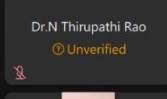
Sajja Srilavanya



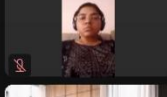
CSE Dept., CBIT




MVSRT.Sujanavan
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Latha Tamilselvan
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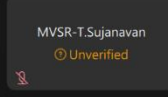
Dr.D.Nagadevi
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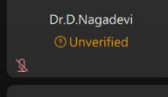
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03-06-2024

Alapati Rama Devi



Dr.C.Hema
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Syed Shujauddin Sameer



Meenaxi Raikar

CBIT Hosts Faculty Development Program on Machine Learning



DECCAN NEWS SERVICE

■ HYDERABAD

The Department of Computer Science and Engineering at Chaitanya Bharathi Institute of Technology, in association with ACM Hyderabad Deccan Chapter, organized a Faculty Development Program (FDP) on "Machine Learning Applications for Engineers" from June 3-7, 2024. The event saw 160 participants from various states including Dehradun, Chennai, Bhubaneswar, Mum-

bai, Vijayawada, Hyderabad, Guntur, Kurnool, Warangal, Kakinada, and Mysore. The FDP covered both basic and advanced ML concepts, with sessions on security, NLP, Computer Vision, Software Engineering, Edge Computing, and real-time applications, featuring a mix of 60% theory and 40% hands-on training. Eminent speakers provided valuable insights, fostering research and knowledge among participants.

APRIL –MAY 2024

➤ **WORKSHOP/BOOT CAMP ON “UNSTRUCTURED DBS WITH WEB DEVELOPMENT”**

The Department of Computer Science and Engineering organized a Hybrid Mode Workshop/Boot Camp on “Unstructured DBs with Web Development” from April 20th to May 18th (Every Saturday). The sessions were scheduled from 9.30 AM to 12.30 PM in the Forenoon and 1.00 PM to 4.00 PM. The resource person for the workshop/Boot Camp is Mr. Ravikanth Varigonda, Founder and CEO of Purplenow Technologies, Private Limited. Hyderabad. He Has 20 years of development experience in Embedded, Mobile, and Cloud using Microsoft & Open Source.

This program is for IV Semester CSE and all allied branch students. 180 students participated in the Boot Camp. The number of students/participants who attended is 180. Inaugural of the Boot Camp/workshop was hosted by Smt T. Suvarna Kumari and Smt.Ch. Madhavi Sudha, faculty coordinators. Dr. M. Swamy Das Professor, CSE, Chaitanya Bharathi Institute of Technology(A), has given the opening remarks and also emphasized the importance of Unstructured DBs with web development in the current research world. Dr. D. Raman, Professor and Head of the Department of Computer Science and Engineering addressed the participants about CBIT, the Department of Computer Science and Engineering, and the objectives and goals of workshop. A brief introduction was given about the Resource Person, Mr. Varigonda Ravikanth.

Week Wise Topics Discussed as follows

Mr Varigonda Ravikanth, the speaker, started the first session (offline session) by

Week1

Introducing the Foundations of NoSQL & MongoDB,
Discussed Working with MongoDB Compass, and
Key-value Stores and Semi-structured Data using JSON

Week 2 (Offline Session)

Connecting MongoDB with Node.js and performing CRUD
Conducted Hands-on Session

Week3/4 (online session)

Designing & Linking static web pages (HTML5 + CSS3)
Various Applications of JavaScript (DOM & Event handling)
Foundations of React JS (Zero-Config Setup, JSX, Components, Props, Events, Lists, Forms, Router)
Server-side programming using built-in Node JS modules

Week 5 (online session)

Express JS (Request & Response Handling, Router)
MVT with EJS and Hands-on Session

Objectives of the Workshop:

To create awareness on Unstructured DBs with Web Development.

The purpose of organizing this workshop/boot camp would be to make students competent in industry-ready.

Boot-Camp Team:

Dr. D.Raman HoD, CSE Convenor
Dr. S. China Ramu, Professor, CSE, Coordinator
Smt.T.Suvarna Kumari, Asst.Professor, Co-Coordinator
Smt.Ch.MadhaviSudha, Asst.Professor, Co-Coordinator

The online Meeting and Recording links of Webex are as follows:

Webex Links :

11/05/2024

Meeting link: <https://cbithyd.webex.com/cbithyd/j.php?MTID=m76f275e7fbbc39b2e577aa2457b074d4>

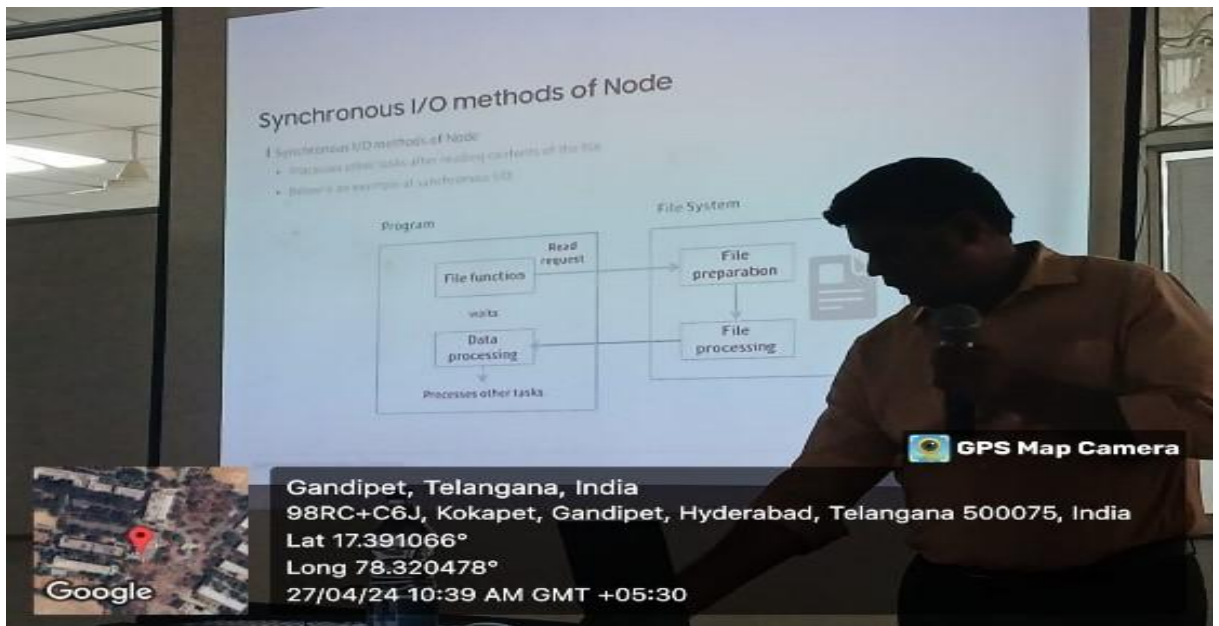
Recordings:

https://cbithyd.webex.com/webappng/sites/cbithyd/meeting/postinfo/72584e13fdc044668961e52bef16bf81_I_293275536895749515?tab=recordings

18/05/2024

Meeting link: <https://cbithyd.webex.com/cbithyd/j.php?MTID=m1231216f3bfeac8a3de0eda1dd825cc2>

Recordings : <https://cbithyd.webex.com/cbithyd/ldr.php?RCID=c773b999fc1d0d04e6cdece394d10050>



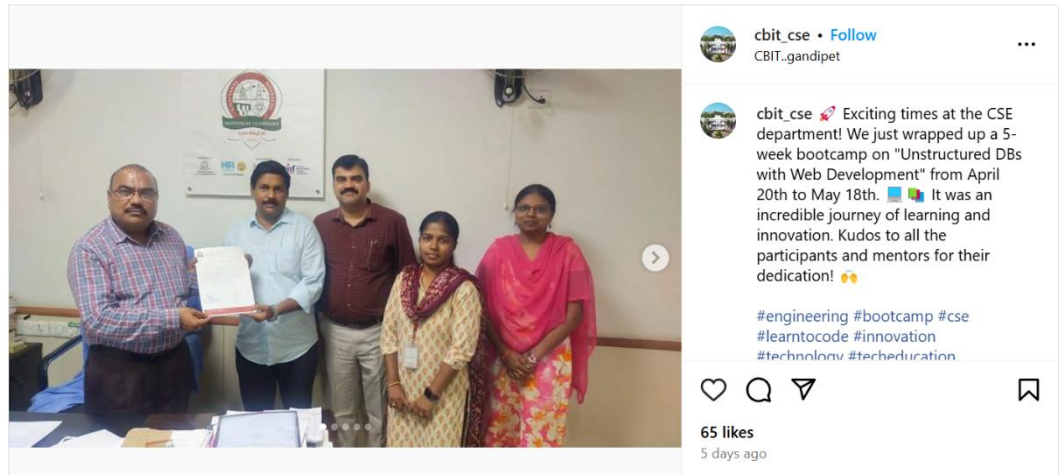
Mr.Varigonda Ravikanth's interaction with students during Unstructured DB -Boot Camp with Web Development



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CBIT CSE OFFICIAL | 🚀 Exciting times at the CSE department! We just wrapped up a 5-week bootcamp on "Unstructured DBs with Web Development" from April 20th to ... | Instagram



Principal C.V.Narasimhulu felicitating Mr.Varigonda Ravikanth , Founder & CEO of Purple Now Technologies
Picture(left to right) Principal C.V.Narasimhulu , Mr.Varigonda Ravikanth Dr.Dugyala Raman, HoD and Professor
, Faculty Coordinators : Smt.Ch.MadhaviSudha, Smt T.SuvarnaKumari

➤ **ONE WEEK NATIONAL LEVEL FDP ON “EMERGING RESEARCH TRENDS IN COMPUTER SCIENCE” April 22nd to 26th, 2024**

The department of Computer Science and Engineering at Chaitanya Bharathi Institute of Technology, Hyderabad has conducted a 1 week National Level Faculty Development Programme on “Emerging Research Trends in Computer Science” from April 22nd to 26th, 2024. The convenor for the FDP is Dr.D.Raman, HoD, CSE; coordinator for the FDP is Dr.Sangeeta Gupta, Professor, CSE Department and the co-coordinators are Dr. Kolla Morarjee, Associate Professor, Department of CSE, Dr. B. Ramana Reddy, Assistant Professor, CSE Dept, Mr. M. Venkata Krishna Reddy, Assistant Professor, CSE Dept, Dr. M. Anila, Assistant Professor, CSE Dept.

This FDP aimed to provide an opportunity to the faculty members, researchers, and students to expand their horizons in emerging areas of computer science and engineering through the domain's: Cyber security, AI/ML, Computing paradigms (cloud, fog and edge), Blockchain, IoT. The FDP drove the participants in a research-oriented direction and enabled them to choose a suitable area of expertise and progress with publications and submission of project proposal for funding. A total of 19 sessions, each of 1.5 hour duration were conducted by inviting experts from foreign university, industry, IITs, NITs and R&D sector respectively. About 110 participants from all over the country have attended the programme and actively participated in interactions with the resource persons and gathering more insights into the delivered sessions.



The sessions delivered by all the experts were highly value added and research oriented that drove the participants to focus on the real time case studies.



The entire FDP team thank the Management, Principal Sir Prof.C.V.Narasimhulu and the department of CSE for their continuous support that led to the success of the programme.

FEB 2024

- **One Week National Bootcamp on “Generative AI” Department of CSE in association with Swecha from 19th to 24th Feb 2024**

Details: Ms Geethika student coordinator has welcomed all the guests on to the Dias. Lightening of the lamp is done by CBIT Principal Prof. C. V. Narasimhulu ,CSE HoD Dr. Raman Dugyala ,Bootcamp convener Dr.M. Swamy Das.Inaugural event took place in hybrid mode .Keynote is given by Mr. Bharath Krishna, Sr. AI Solution Architect, ValueLabs.

Date: 19 th Feb 2024 Time: 1:00 to 2:40 PM

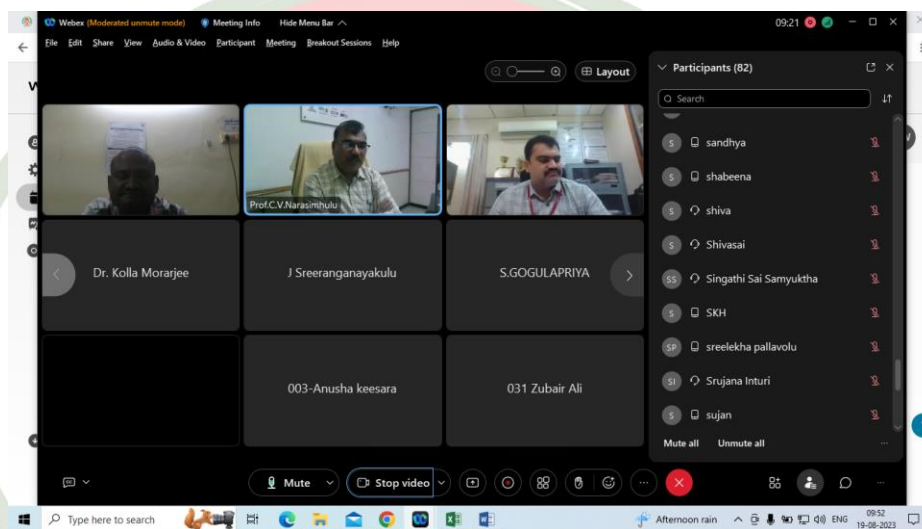
Agenda : Bootcamp Inaugural event Mode: Hybrid



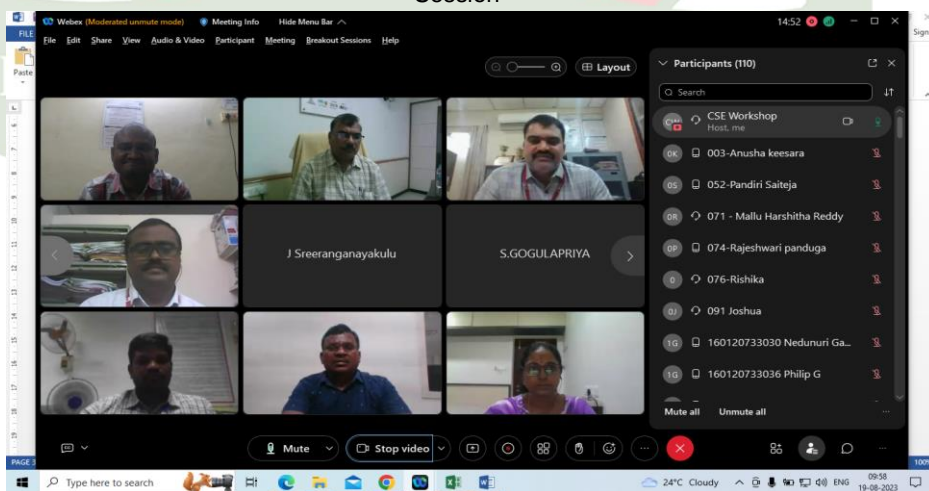
National Conference/Workshops/Seminar/Webinar

Aug 2023

- The Department of Computer Science and Engineering organized a **Workshop on “Research Paper Writing Tools : Latex and Overleaf”** on **19.08.2023** in online mode which included 430 registrations from different states of India like Tamil Nadu, Andhra Pradesh, Maharashtra, Himachal Pradesh, Karnataka and Telangana etc. The no. of participants who attended is 247. The resource persons for the workshop are **Dr. Premkumar Chithaluru, Associate Professor, CSE Dept.** and **Smt. I Srujana, Assistant Professor, CSE Dept.** Both the resource persons delivered the concepts behind the program and demonstrated with examples. They conducted hands on sessions that enabled participants to understand the concepts clearly. and faculty coordinators are **Dr. K. Morarjee, Associate Professor** and **Mr. M Venkata Krishna Reddy, Assistant Professor** from Department of Computer Science and Engineering



Prof. C.V. Narasimhulu, Principal, CBIT giving the opening remarks in the inaugural Session

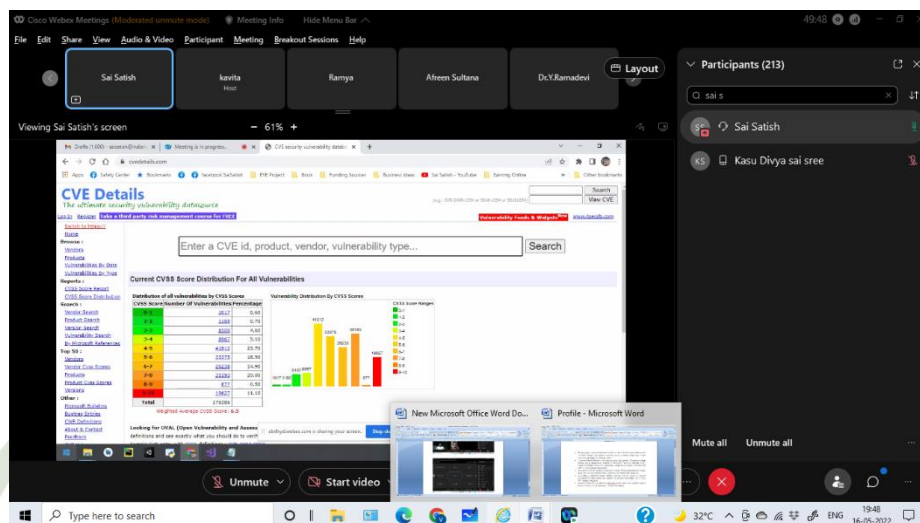


All the Dignitaries, Resource Persons, Organizers and Participants

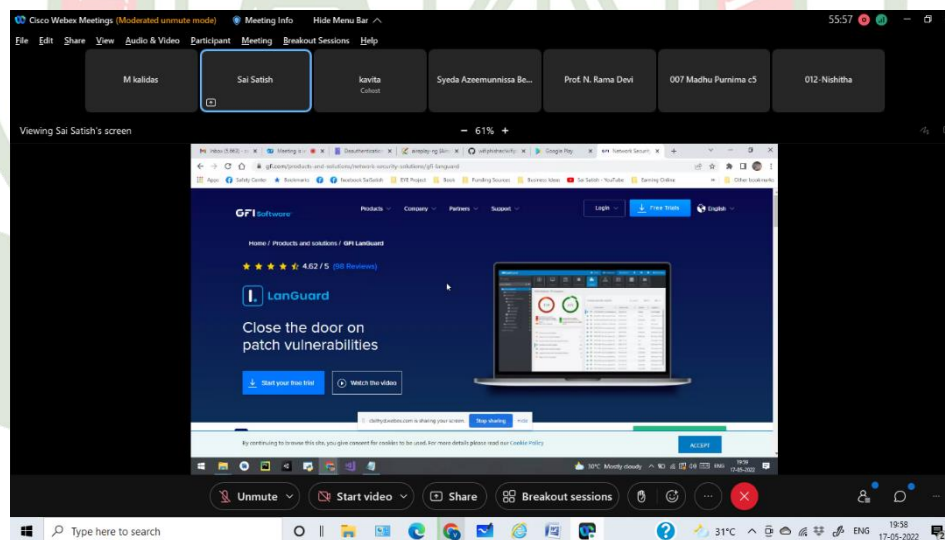
May 2022

- One week online STTP on **“Cyber Security”** was organized from **16-05-2022 to 20.05.2022** through online mode jointly by Department of Computer Science and Engineering and Department of Information Technology which included around 523 participants. Advisor for the STTP is Prof. N.Rama Devi and faculty coordinators are Mr. Satish, Ms. Kavita Agrawal and Mr. M Venkata Krishna Reddy, Assistant Professors from Department of Computer Science and Engineering and Mr. S.Rakesh, Asst. Professor from Department of Information Technology. The resource person for the STTP is **Mr. Sai Satish, Young Entrepreneur, and Founder, CEO**

of Indian Servers. The speaker has demonstrated concepts of cyber security on all five days of the STTP as Web Application pen testing, OWASP Top 10 ,Cyber Security Principles, Network Security Attacks & Malware Analysis ,Web & Windows Forensics System & Server Hacking Attacks, Server Hardening

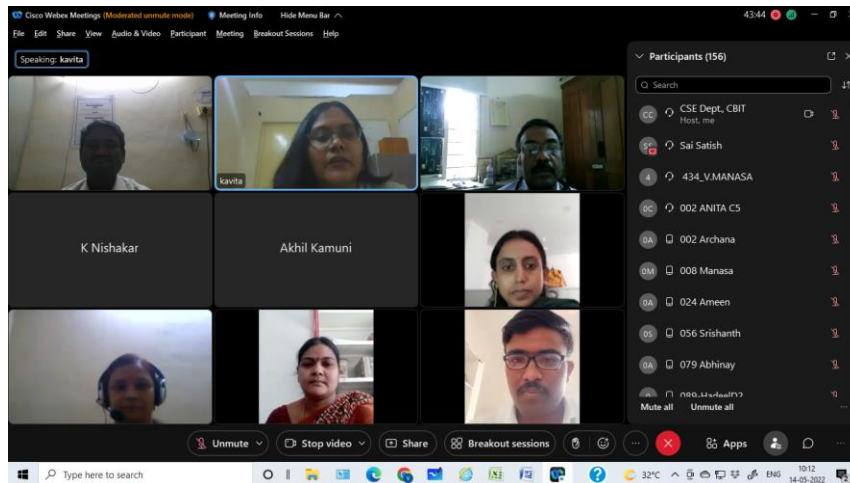


A picture taken while explaining about current status and vulnerabilities

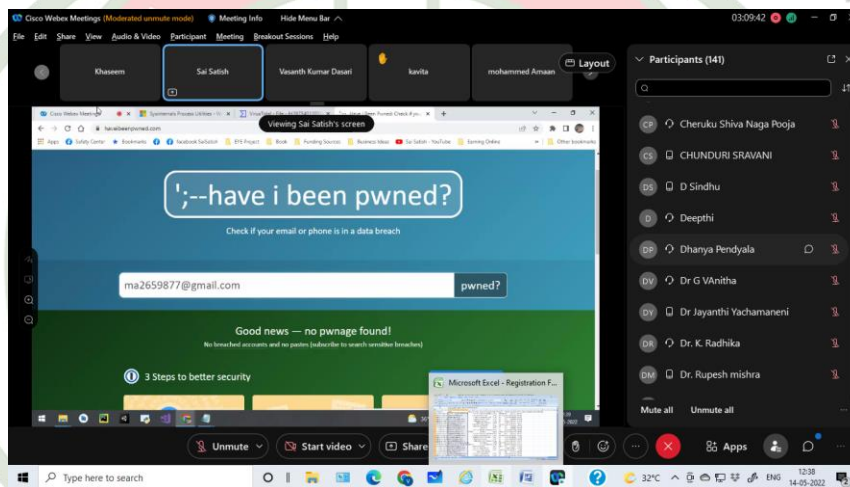


Sri Sai Satish, Resource Person, presenting during the session.

- A 1-day National Level Hands-on Workshop on **“Cyber Security Tools and Techniques: A Practical Approach”** was organized on **14-05-2022** through online mode which included around 193 participants. The co-coordinators for the event were Mr. M.Venkata Krishna Reddy (CSE), Ms. Kavita Agarwal (CSE). The resource person for the event is **Mr. Sai Satish, Young Entrepreneur, and Founder, CEO of Indian Servers**. The speaker has shown the practical demonstration of the following topics in the workshop : SQL Injection, Foot Printing, Scanning : Port, Network and Vulnerability Scanning, Password Cracking, DOS Attacks, Virus Dissemination and Phishing



Inaugural Session of workshop

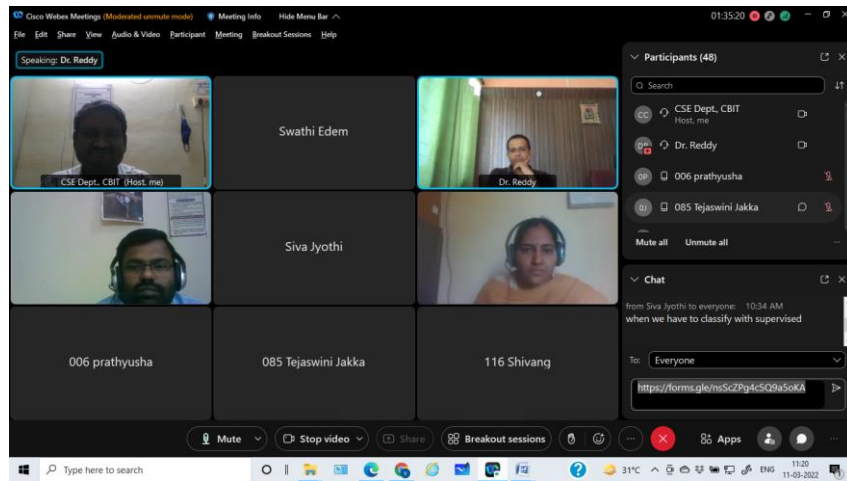


Sri Sai Satish, Speaker, presenting during the session

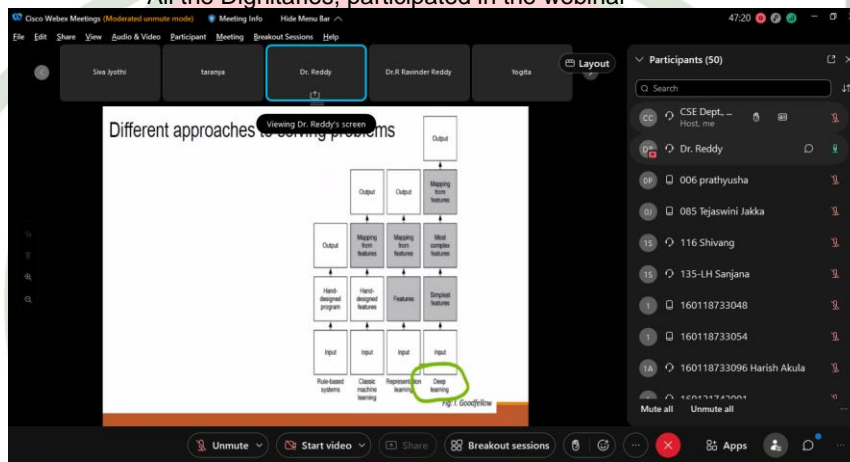
Mar 2022

INSTITUTE OF TECHNOLOGY

- An Online Webinar on “Natural Language Processing: Applications and Challenges” was organized on **11-03-2022** through online mode which included around 89 participants. The co-coordinators for the event were Dr. R.Ravinder Reddy, Associate Professor and Mr. M. Venkata Krishna Reddy, Assistant Professor, Dept. of CSE. The resource person for the event is **Dr. Damodar Reddy Edla, Associate Professor, Department of Computer Science and Engineering, National Institute of Technology, Goa**. Speaker delivered the concepts of Natural Language Processing - NLP and explained about the importance, technical and research benefits of Natural Language Processing. He also briefed about the various applications and challenges associated with the area of Natural Language Processing. He also exposed the participants to the research areas and career development opportunities in NLP.



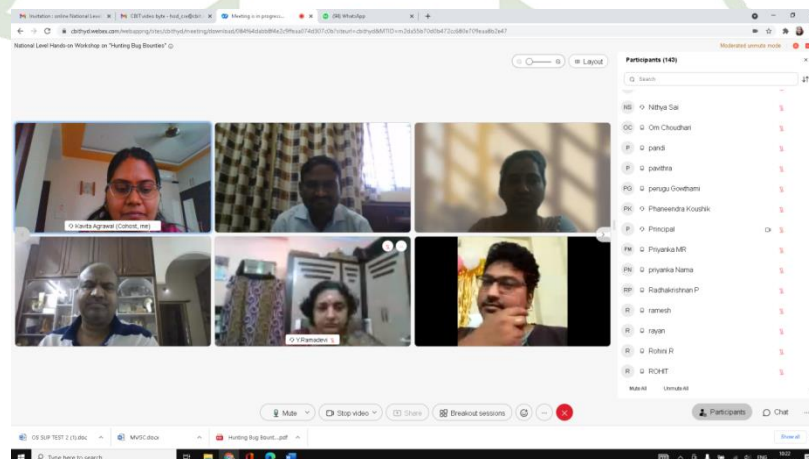
All the Dignitaries, participated in the webinar



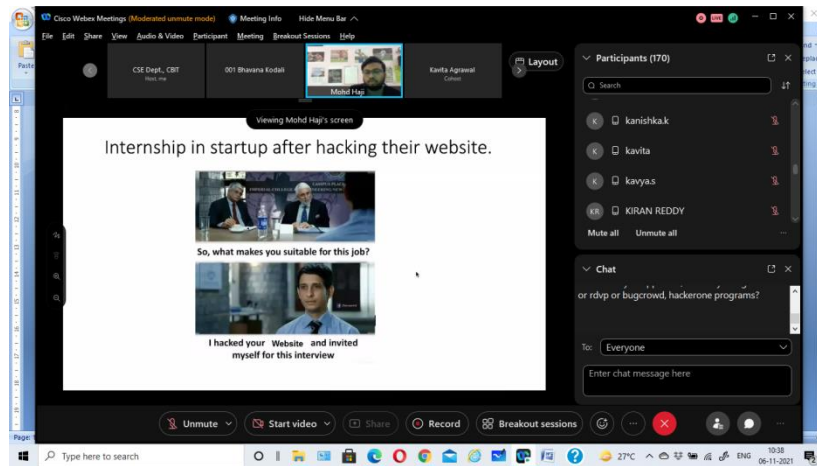
Dr. Damodar Reddy, Resource Person delivering the concept to the participants

November-2021

- A 1-day National Level Hands-on e-Workshop on “Hunting Bug Bounties” was organized on 06-11-21 through online mode which included around 250 participants. The co-coordinators for the event were Mr. M.Venkata Krishna Reddy(CSE), Ms. Kavita Agarwal(CSE), Ms. T.Prathima(IT), Ms. A.Shirisa(IT)
- A 1-day National Level Hands-on e-Workshop on “Hunting Bug Bounties” was organized on 06-11-21 through online mode which included around 250 participants. The co-coordinators for the event were Mr. M.Venkata Krishna Reddy(CSE), Ms. Kavita Agarwal(CSE), Ms. T.Prathima(IT), Ms. A.Shirisa(IT)



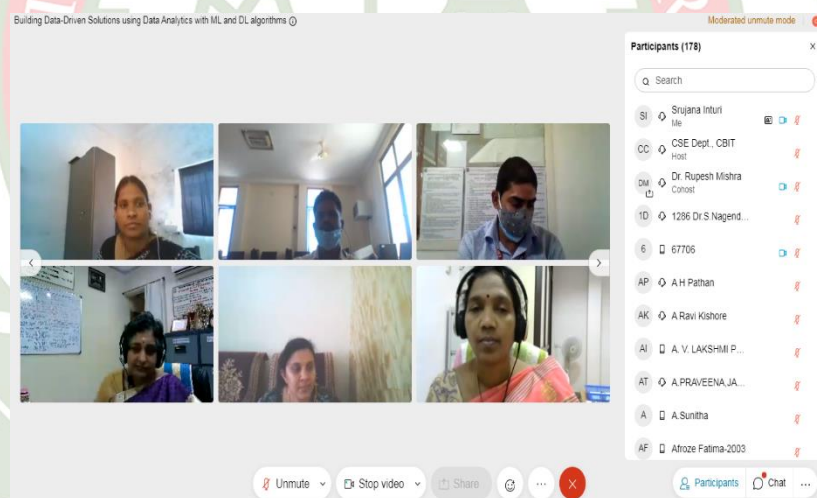
Inaugural Session



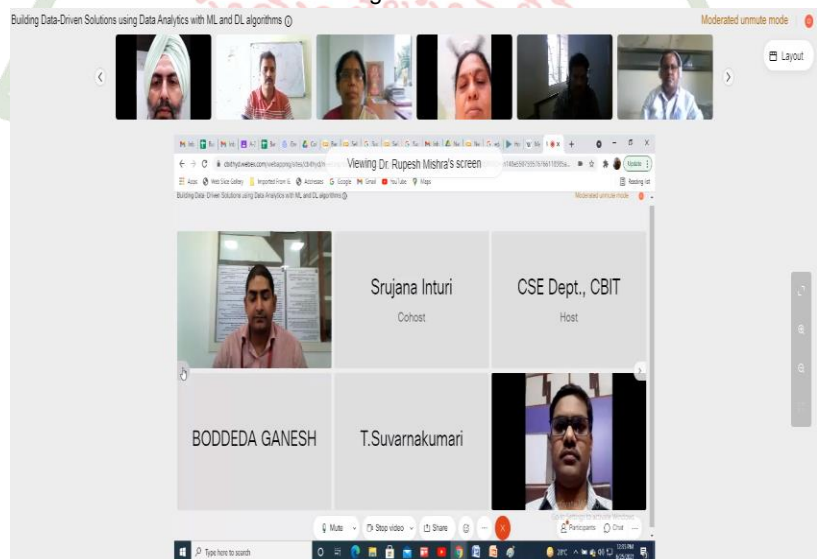
Mr. Mohd. Haji, Speaker, presenting during the session

June2020- June2021

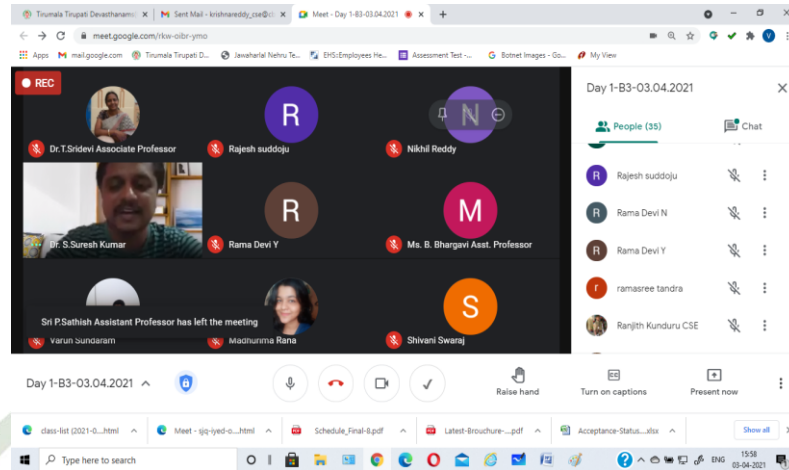
- A 5-days International e-workshop was organized on “ Building Data- Driven Solutions Using Data Analytics with ML and DL Algorithms” from 24-06-21 to 28-06-21.



Inaugural Session

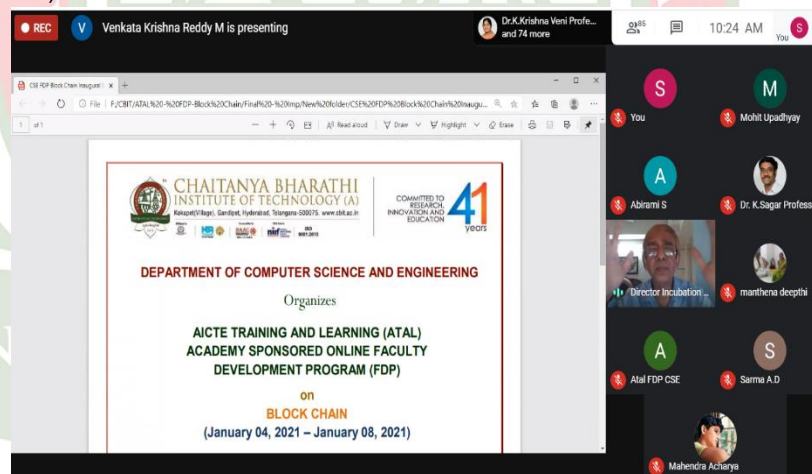


- A 2-day International Conference on “Emerging Trends in Circuit Branch Technologies and Applications” (ETCTA-2021) was organized by department of CSE,ECE,EEE,IT,MCA from 03-04-21 to 04-04-21 through online mode. The Co-Chairperson was Dr.Y. Rama Devi, Head,CSE.

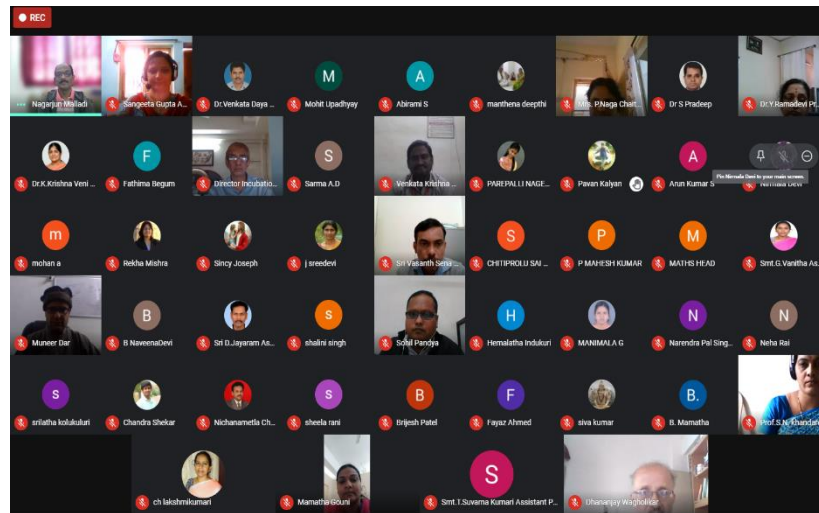


Dr. S.Suresh Is presenting paper

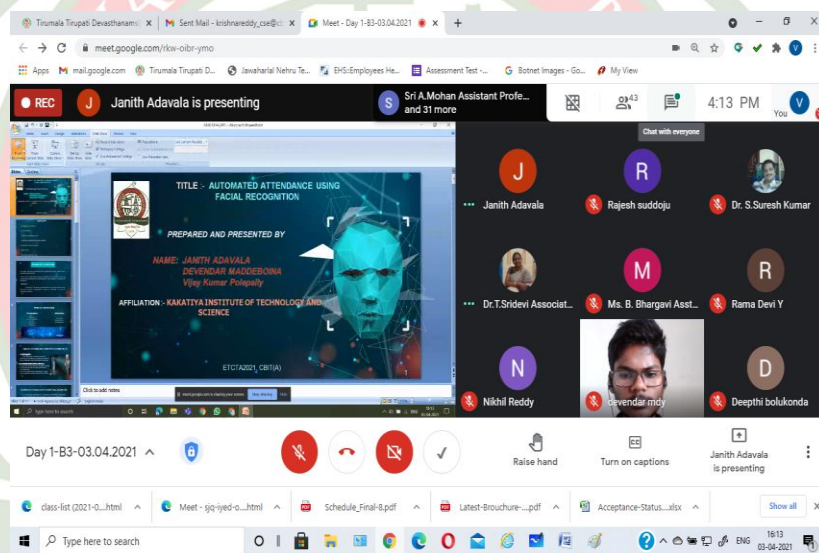
- A 5-day AICTE Training and Learning(ATAL) Academy Sponsored Online Faculty Development Program(FDP) on “Blockchain” was organized from 04-01-21 to 08-01-21 through online mode which included around 200 participants. The co-ordinator for the events were Dr.Sangeeta Gupta(CSE) and Mr. M.Venkata Krishna Reddy(CSE)



The inaugural session by Prof. Dr. U.K.Choudhary

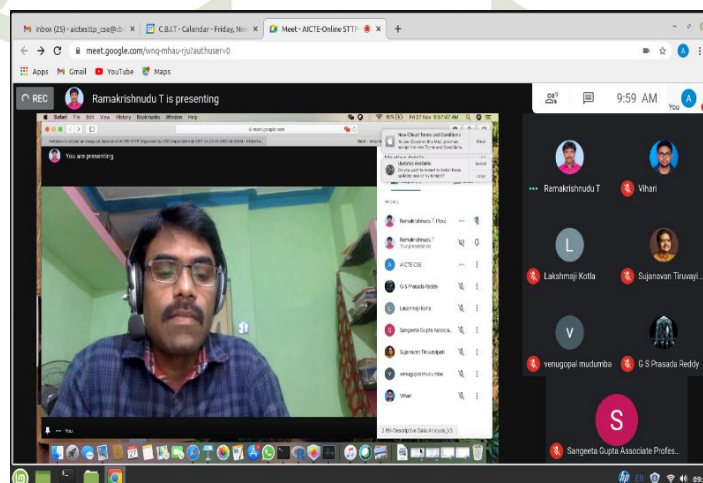


A session chaired by Dr. Nagarjuna Malladi

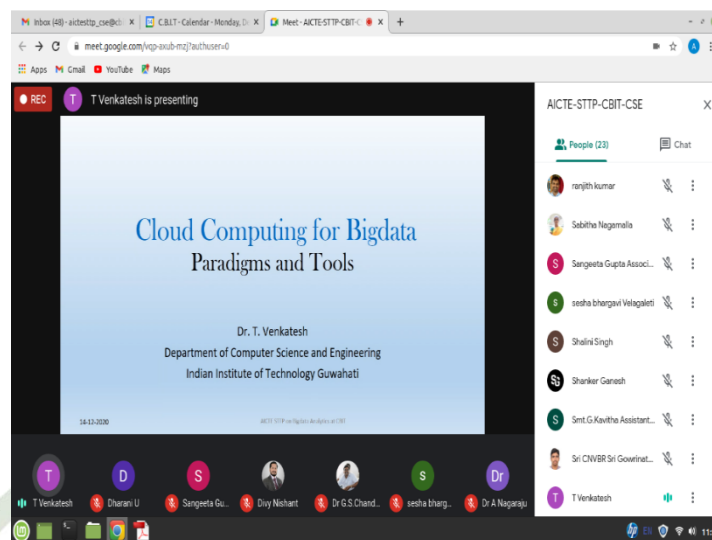


One of the participant is presenting paper.

- An AICTE Sponsored Online Short Term Training Program(STTP) on “Data Science for Bigdata Analytics in Cloud using Advanced Tools” was organized by department of CSE, CBIT in 2 phases, First phase from 23-11-20 to 28-11-20 and second phase from 14-12-20 to 18-12-20. The co-ordinator for the programs were Dr.E.Padmalaatha(CSE) and Mr.B.Sateesh(CSE).



Phase-I: Prof. T.Ramakrishnudu is presenting during the session



Phase II: Dr. T.Venkatesh is presenting

June2019-May2020

- A 5-day e-FDP on "Artificial Intelligence" was organized from 22nd to 26th May 2020 Chaitanya Bharathi Institute of Technology (Departments of CSE, IT & MCA) in collaboration with Brain-O-Vision Solutions India Pvt. Ltd., through online mode which attracted 625 participants. The Co-ordinators for this event were Dr.Sangeeta Gupta (CSE Dept), Sri.M.Ramchander(MCA Dept), Smt.Y.Gnyana Deepa(IT Dept).
- A seminar was organized by Dept. of CSE and CBIT IIC on "Design Thinking" on 12-03-20 by Abhimanyu Bhardwaj Co-founder and CEO of Launch Space, HYD,.
- A 1-day seminar was organized on "Access to Higher education " on 8-01-2020 by Princeton review manager Mr.G.Sudheer.
- A 1-day seminar was organized on" Innovations in MUST research " on 9-01-20 by MUST research founder and President Mr.Joy Mustafi.
- Total 71 participants faculties, research scholars from various institutions were participated. The aim of the session is to discuss about accessibility of the research process and an overview of the leading discourses by suggesting distinct schools of thought, their core aims, and argumentations



Talk and Discussion on Access to Research Process Schools of Thought CBIT C-203 on 18th October 2019 by Dr.L.Pratap Reddy, Professor JNTUH, Working Chairman SWECHA.

- A one day workshop was organized on “Business and Research on Artificial Intelligence Network Summit (BRAINS)” in association with NASSCOM and MUST at CBIT, Hyd on 28th Sept. 2019.

June2018- May 2019

- Tech Tara Event was conducted on the Occasion of Women's Day Celebrations at CBIT. Compile- Build-Run was an interactive event where students gave innovative ideas on diverse areas of Computer Science on 6th and 7th of March, 2019.



Panel of Dr.Priti Chandra -Scientist-E DRDO, Ms Rani Paruchuri -founder and CEO of DreamTekis Software, Miss Pravalika Achuyutuni of Swecha Foundation and, Mrs Devi-social activist and Dr.Y.Rama Devi ,professor ,CSE,CBIT as moderator have interacted with Students.

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Panel discussion with Srividya maharshi-Journalist,Singer,Actor,VoiceArtist, prathyusha parakala –RJ, Part of Climate force Antarctica expedition 2018, P.padmavathi-chief Functionary and project In-charge, Kasturba Gandhi National Memorial trust, Wing Commander Aziz Tayyaba-First batch of women in Indian Air Force,corporate leader, and Dr.T.Srivani –Head,Department of Hispanic and Italian Studies,EFLU as Moderator of the panel.



Wing Commander Aziz Tayyaba-First batch of women in Indian Air Force, along with the CBIT students and staff.

- Social Event - Working women have come together to put forward a charter of demands that would create safer spaces for women.



Convention of Working Women for Safer Spaces , Feb -2, 2020, Phoenix Arena TSIISC PARK.

- The Computer Science and Engineering department have enthusiastically taken up the initiative of MHRD on 27th to 29th Jan 2020 to encourage citizens to work towards Swachh Bharath through Swachhta Pakhwada. More than 3000 people has actively participated.



DR.P.Ravinder Reddy ,Principal ,CBIT along with faculty of CSE took Swachhta pledge.

