



CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

An Autonomous Institute | Affiliated to Osmania University
Kokapet Village, Gandipet Mandal, Hyderabad, Telangana-500075, www.cbti.ac.in



COMMITTED TO RESEARCH, INNOVATION AND EDUCATION

46 years

Chief Patron

Sri. N. Subash, President, CBIT

Patron

Prof. C.V. Narasimhulu, Principal, CBIT

Convener

Dr. Sangeeta Gupta, Professor & HOD- CET Dept.

Coordinators

Mrs. Ch. Sri Lakshmi, Asst. Prof., CET Dept
Smt. N. Sujata Gupta, Asst. Prof., CET Dept.
Smt. G. Mamatha, Asst. Prof., CET Dept

Advisory Committee

Dr. M. Subramaniam, Prof., CET Dept.
Smt. P. Vimala Manohara Ruth, Asst. Prof., CET Dept
Smt. Kavita Agarwal, Asst. Prof., CET Dept.
Dr. G. Jaya Rao, Asst. Prof., CET Dept.
Mr. Manish Kumar, Asst. Prof., CET Dept.

Organizing Committee

MD. Raheesh Arman, President, NexIoT
Hema Vardhan, General Secretary, NexIoT
Anirudh Reddy, External Affairs, NexIoT
Sathvika Cheelamanthula, NexIoT
Mehul Agarwal, NexIoT
Dipesh Dubey, NexIoT

Eligibility criteria to Register

- IV SEM CET
- Registration is free

Contact:

Student Coordinators:

D.Ishanvith 9391035653
P.Harini 6309711980

NeXIoT Presents 2 day offline workshop on

“Web Technologies-Full Stack Frontier”

April 17th ,18th 2025



Organized by

Department of Computer Engineering & Technology

Event Timings:

Day 1

09:10 am - 12:15 pm:
Guest speech and introduction to Web technologies
1:00 pm - 4:00 pm:
Hands on Experience with React

Day 2

09:10 am - 12:15 pm:
Hands on Experience with React & Express
1:00 pm - 4:00pm:
Hands on Experience with Node.js & MongoDB

Venue: CP-Lab 104 above canteen

ABOUT THE INSTITUTE

Chaitanya Bharathi Institute of Technology, established in the Year 1979, esteemed as the Premier Engineering Institute in Telangana. It was promoted with an Objective to facilitate the Best Engineering Education to the Students and contribute towards meeting the need of Skilled and Technically conversant Engineers, for the Country that embarked on an Economic Growth Plan. Various programs of the college were accredited five times by NBA (AICTE) and the institute is also accredited with A++ grade by NAAC. UGC has granted autonomous status to this institute from the academic year 2013-2014 and renewed in 2019-2020. The total constructed area is about 6.257 lakhs sq. ft, spread over 50.32 acres. The grants received from AICTE/UGC/DST are worth about Rs.75 Crores. The college offers 12 UG and 10 PG courses. CBIT is ranked in the rank band 150-200 in Engineering Category by NIRF

About Computer Engg. & Technology Dept.

Department of Computer Engineering and Technology offers a BE CSE (IoT, Cyber Security Including Block chain) Undergraduate Engineering Programme, since the academic year 2020-21 with an intake capacity of 60 seats. This programme combines Computer Science, with the functional and operational aspects of IoT, Cyber Security and Block chain Technology. The department has well equipped laboratories with necessary software's and committed, qualified well trained staff for teaching/learning process. The department is consistently exploiting the trending curriculum, teaching, learning, research and development practices, providing scope for the students to acquire knowledge and exploring better opportunities, for those aiming for admissions in prestigious institutions for their higher studies and placements in well-known MNC companies.

OBJECTIVES

- Work on basic web technologies like HTML, CSS, JavaScript and understand the frameworks
- Explore React to build dynamic user interfaces using components and hooks.
- Learn Node.js, where you'll run JavaScript on the server to handle backend logic.
- Learn Express, where you'll create RESTful APIs and manage server-side routing with ease.
- Understand MongoDB to store and retrieve data using a flexible, document-based structure.
- Gain hands-on experience with building dynamic web applications

KEY ACTIVITIES

- Innovation and Outreach
- Working on Web Applications
- API Design and Integration
- Real-time Collaboration

RESOURCE PERSONS

Dr.J.Vamsinath, Senior Assistant Professor, Department of Computer Science & Engineering, “Faculty of Science and Technology (IcfaiTech), ICFAI Foundation for Higher Education, Hyderabad E-mail: vamsi.img@gmail.com



CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

An Autonomous Institute | Affiliated to Osmania University
Kokapet Village, Gandipet Mandal, Hyderabad, Telangana-500075, www.cbit.ac.in



COMMITTED TO
RESEARCH,
INNOVATION AND
EDUCATION

46
years

REPORT ON 2-DAY WORKSHOP

ON

Web Technologies – Full Stack Frontier

Organized by: Department of Computer Engineering & Technology, CBIT

Dates : 17th & 18th, April, 2025

Venue : CB-Lab 104, CBIT (behind the canteen)

Participants : 74-students, CET students

Faculty : 3 members

Objectives of the Workshop:

- To introduce the fundamentals of **HTML**, **CSS**, and **JavaScript**, forming the backbone of web development.
- To explore **React.js**, enabling students to build dynamic and responsive user interfaces using components and hooks.
- To provide insights into **Node.js**, a powerful JavaScript runtime used for backend development.
- To utilize **Express.js** for developing RESTful APIs and managing server-side routing efficiently.
- To understand and apply **MongoDB**, a NoSQL database, for storing and retrieving data in a flexible, document-based structure.
- To offer **hands-on experience** in building full-stack web applications by integrating frontend and backend components.

About the Speaker:

We are honored to welcome Dr. J. Vamsinath, a seasoned academician and researcher in Computer Science and Engineering, currently serving as a Senior Assistant Professor at ICFAI Foundation for Higher Education, Hyderabad. With over 18 years of experience in teaching and research, Dr. Vamsinath holds a Ph.D. from JNTU Kakinada, with specialization in high utility itemset mining using genetic algorithms.

His areas of expertise include Java, Python, full-stack development, data mining, machine learning, and cloud computing, backed by numerous publications in reputed journals and international conferences.

He has played pivotal roles in curriculum design, academic accreditation, and industry collaborations, including contributions as IBM Centre of Excellence Brand Ambassador and

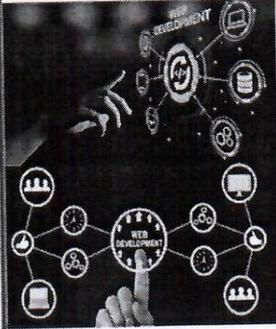
Infosys Campus Connect Coordinator. A passionate mentor, he has guided several innovative student projects and successfully trained over 100 students for Wipro certification programs.

Details of the event:

The Department of Computer Engineering and Technology at CBIT organized a two-day offline workshop titled "**Web Technologies – Full Stack Frontier**" on **April 17th and 18th, 2025**, in collaboration with **NeXIoT**, the student technical club. The workshop was aimed at providing participants, particularly IV semester CET students, with a strong foundation in modern full-stack web development technologies.

The event commenced with an inaugural session and a guest speech that introduced the participants to the evolving landscape of web technologies. Over the course of two days, students gained hands-on experience with **React, Node.js, Express, and MongoDB**, enabling them to build dynamic, data-driven web applications. Key activities included real-time collaboration, API integration, and practical demonstrations of both frontend and backend development.

Event Brochure:

 <p>CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY An Autonomous Institute Affiliated to Osmania University Kokapet Village, Gandipet Mandal, Hyderabad, Telangana-500075, www.cbit.ac.in</p> <p>Approved by UGC Autonomous 10 Programs Accredited by NAAC Grade A++ nirf</p>		<p>COMMITTED TO RESEARCH, INNOVATION AND EDUCATION</p> <p>46 years</p>					
<p>Chief Patron Sri. N. Subash, President, CBIT</p> <p>Patron Prof. C.V. Narasimhulu, Principal, CBIT</p> <p>Convener Dr. Sangeta Gupta, Professor & HOD- CET Dept.</p> <p>Coordinators Mrs. Ch. SriLakshmi, Asst. Prof., CET Dept Smt. N. Sujata Gupta, Asst. Prof., CET Dept. Smt. G. Mamatha, Asst. Prof., CET Dept</p> <p>Advisory Committee Dr. M. Subramaniam, Prof., CET Dept. Smt. P. Vimala Manohara Ruth, Asst. Prof., CET Dept Smt. Kavita Agarwal, Asst. Prof., CET Dept. Dr. G. Jaya Rao, Asst. Prof., CET Dept. Mr. Manish Kumar, Asst. Prof., CET Dept.</p> <p>Organizing Committee MD. Raheesh Arman, President, NeXIoT Hema Vardhan, General Secretary, NeXIoT Anirudh Reddy, External Affairs, NeXIoT Sathvika Cheelamantula, NeXIoT Mehul Agarwal, NeXIoT Dipesh Dubey, NeXIoT</p> <p>Eligibility criteria to Register •IV SEM CET •Registration is free</p> <p>Contact: Student Coordinators: D. Ishanvith 9391035653 P. Harini 6309711980</p>		<p>NeXIoT Presents 2 day offline workshop on "Web Technologies-Full Stack Frontier" April 17th, 18th 2025</p>  <p>Organized by Department of Computer Engineering & Technology</p> <p>Event Timings: Day 1 09:10 am - 12:15 pm: Guest speech and introduction to Web technologies 1:00 pm - 4:00 pm: Hands on Experience with React Day 2 09:10 am - 12:15 pm: Hands on Experience with React & Express 1:30 pm - 4:00pm: Hands on Experience with Node.js & MongoDB</p> <p>Venue: CP-Lab 164 above canteen</p>		<p>ABOUT THE INSTITUTE Chaitanya Bharathi Institute of Technology, established in the Year 1979, esteemed as the Premier Engineering Institute in Telangana. It was promoted with an Objective to facilitate the Best Engineering Education to the Students and contribute towards meeting the need of Skilled and Technically conversant Engineers, for the Country that embarked on an Economic Growth Plan. Various programs of the college were accredited five times by NBA (AICTE) and the institute is also accredited with A++ grade by NAAC. UGC has granted autonomous status to this Institute from the academic year 2013-2014 and renewed in 2019- 2020. The total constructed area is about 6.257 lakhs sq. ft. spread over 50.32 acres. The grants received from AICTE/UGC/DST are worth about Rs.75 Crores. The college offers 12 UG and 10 PG courses. CBIT is ranked in the rank band 150-200 in Engineering Category by NIRF</p> <p>About Computer Engg. & Technology Dept. Department of Computer Engineering and Technology offers a BE CSE (IoT, Cyber Security Including Block chain) Undergraduate Engineering Programme, since the academic year 2020-21 with an intake capacity of 60 seats. This programme combines Computer Science, with the functional and operational aspects of IoT, Cyber Security and Block chain Technology. The department has well equipped laboratories with necessary software's and committed, qualified well trained staff for teaching/learning process. The department is consistently exploiting the trending curriculum, teaching, learning, research and development practices, providing scope for the students to acquire knowledge and exploring better opportunities, for those aiming for admissions in prestigious institutions for their higher studies and placements in well-known MNC companies.</p>		<p>OBJECTIVES</p> <ul style="list-style-type: none"> •Work on basic web technologies like HTML, CSS, JavaScript and understand the frameworks •Explore React to build dynamic user interfaces using components and hooks. •Learn Node.js, where you'll run JavaScript on the server to handle backend logic. •Learn Express, where you'll create RESTful APIs and manage server-side routing with ease. •Understand MongoDB to store and retrieve data using a flexible, document-based structure. •Gain hands-on experience with building dynamic web applications <p>KEY ACTIVITIES</p> <ul style="list-style-type: none"> •Innovation and Outreach •Working on Web Applications •API Design and Integration •Real-time Collaboration <p>RESOURCE PERSONS</p> <p>Dr. J. Vamsinath, Senior Assistant Professor, Department of Computer Science & Engineering, Faculty of Science and Technology (ICFAI Tech), ICFAI Foundation for Higher Education, Hyderabad E-mail: vamsi.img@gmail.com</p>	

Workshop Schedule:

Day 1: April 17, 2025

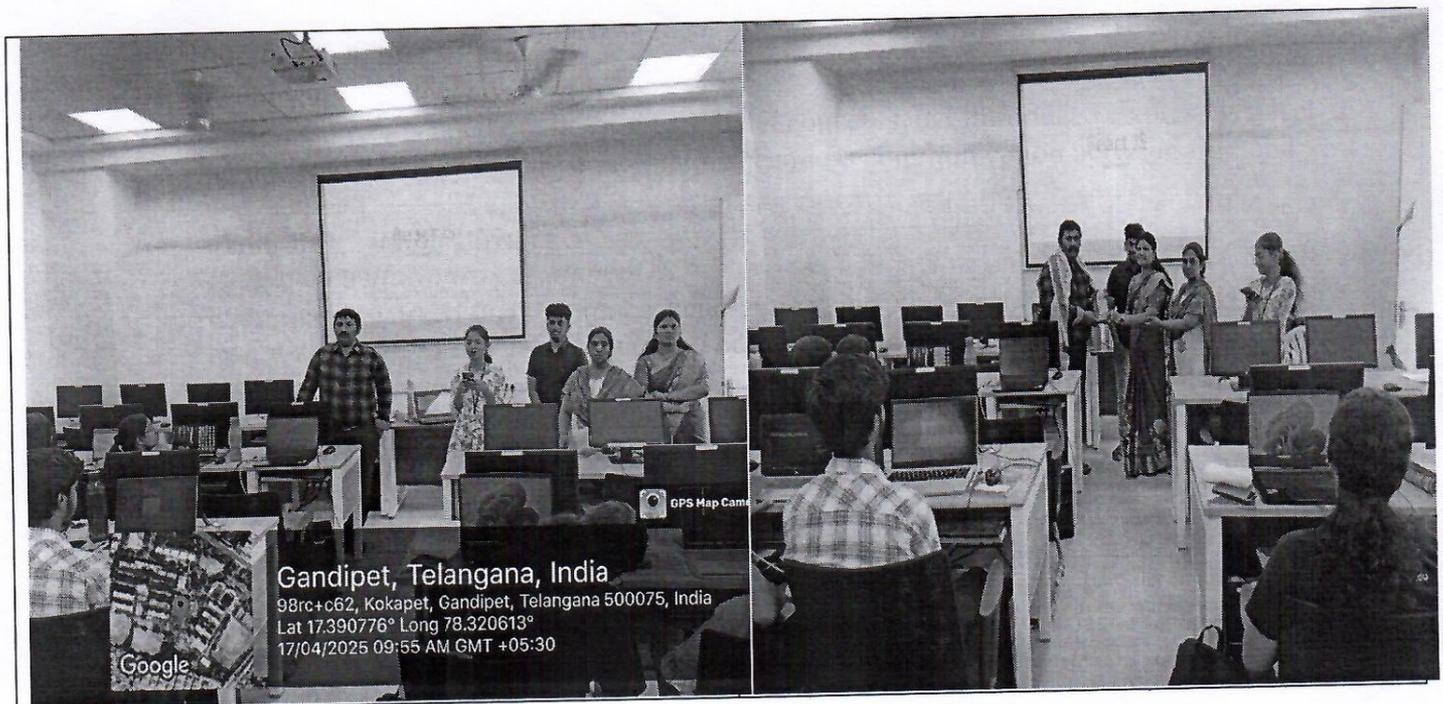
- **09:10 AM – 12:15 PM:**
Guest speech and Introduction to Web Technologies
The session began with an insightful address by the guest speaker, followed by an overview of key web technologies, including the fundamentals of HTML, CSS, and JavaScript.
- **01:00 PM – 04:00 PM:**
Hands-on with React.js
Participants engaged in a practical session focused on building single-page applications using React components, state management, and hooks.

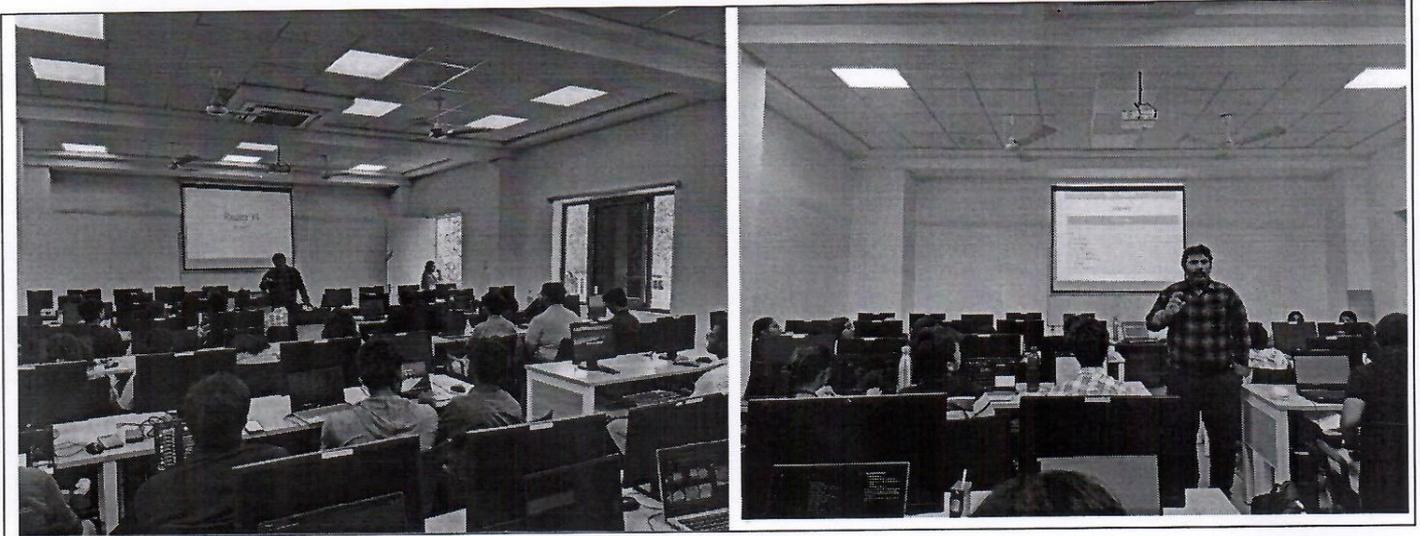
Day 2: April 18, 2025

- **09:10 AM – 12:15 PM:**
Hands-on with React & Express.js
This session expanded on the frontend React concepts and introduced Express.js to set up backend servers and APIs, facilitating seamless communication between frontend and backend.
- **01:00 PM – 04:00 PM:**
Hands-on with Node.js & MongoDB
Participants worked on creating backend logic using Node.js and managing data operations with MongoDB, integrating both to build a basic full-stack web application.

Workshop Glimpses:

Below are some memorable moments captured during the workshop:



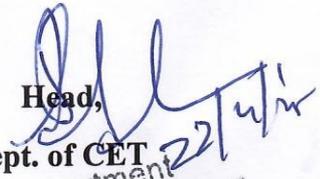


The workshop emphasized real-time collaboration, project-based learning, and an interactive learning environment. The enthusiastic participation of students reflected the success of the workshop, fulfilling its goal of bridging academic concepts with industry-relevant practices. The Department of Computer Engineering and Technology remains committed to fostering innovation and technical excellence through such hands-on initiatives.

Thank You Note

We extend our heartfelt thanks to **Dr. Sangeeta Gupta**, Head of the Department of Computer Engineering and Technology, for her constant support and encouragement towards the successful organization of the workshop "*Web Technologies – Full Stack Frontier.*"

Your backing played a vital role in bringing this enriching experience to life, and we truly appreciate your efforts in fostering a learning environment that supports innovation and hands-on exploration.


Head,
Dept. of CET
Head of the Department
Dept. of Computer Engineering and Technology.
CBIT (A), Gandipet, Hyderabad-500 075.