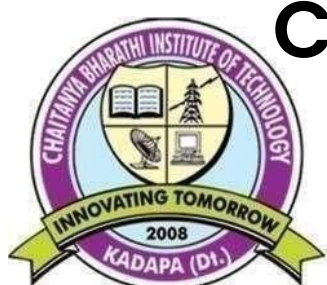


June – Dec 2024
Vol-3, Issue-1



BITS & BYTES BULLETIN

Computer Science and Engineering
NEWSLETTER



CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

(An Autonomous College under JNTUA, Anantapuramu, Approved by
AICTE, Accredited by NBA, Accredited by NAAC with 'A' Grade)
VidyaNagar, Pallavolu (V), Proddatur-516362 (A.P) India

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DEPARTMENTAL VISION AND MISSION

VISION:

To excel in Computer Science and Engineering education and research, technically competent, innovative computer engineers dedicated to advancing technology and serve nationally and globally.

MISSION:

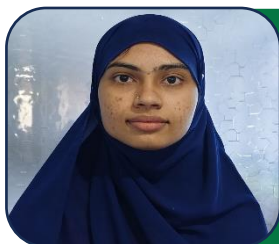
M1: To impact quality education with social consciousness and make them Globally competent.

M2: To inculcate a mind of innovative research in the field of computer science and related interdisciplinary areas to provide advanced professional service to the society.

M3: To impact hands on training in latest methodologies and technologies as per industry requirements.

EDITORIAL DESK

Welcome to our department newsletter! At the editorial desk, our mission is to capture the spirit of our community, celebrating the achievements, ideas, and stories that make us unique. Every issue is an opportunity to connect, reflect, and inspire one another. Every word is a step into new worlds, every piece a catalyst for fresh perspectives. Together, we're building a sanctuary of truth, a stage for ideas, and a compass for those seeking knowledge. We invite you to read, share, and contribute to this ongoing dialogue, as we work together to build a stronger, more vibrant academic community. Your stories, your perspectives, and your passion are what make our department truly special. Let's continue to nurture creativity, encourage collaboration, and celebrate the diversity that enriches our journey. With each page, we reaffirm our shared commitment to excellence and growth.



Editor in chief
Ms Shaik Muneera
Assistant Professor

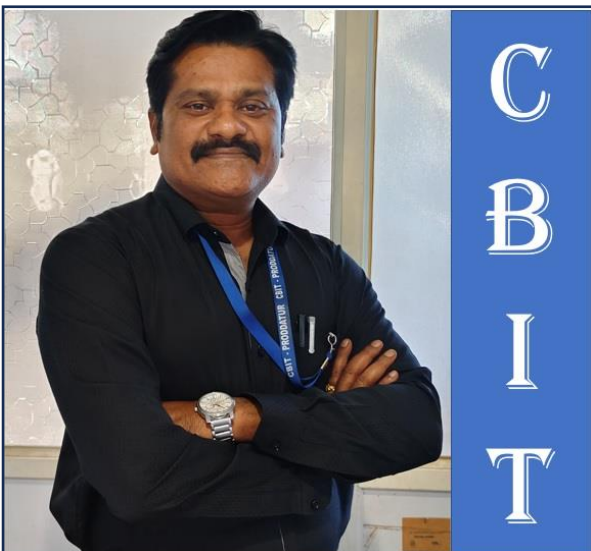
✧ Message from HOD's ✧

The Computer Science and Engineering Department stands as a vibrant center of academic excellence, technological advancement, and collaborative spirit. Every day, our halls echo with the energy of students eager to explore, innovate, and turn ideas into impactful solutions, while our dedicated faculty work tirelessly to mentor, guide, and inspire them toward success.

We believe that education goes beyond textbooks — it is about nurturing creativity, encouraging critical thinking, and instilling a passion for continuous learning. From cutting-edge research and industry-oriented projects to competitions, workshops, and technical symposiums, our department ensures that every student is prepared to meet the challenges of an ever-evolving digital world.

What truly sets us apart is our culture of unity and shared purpose. Faculty, students, and alumni work together, contributing to a legacy of excellence that inspires future generations. With every step we take, we reaffirm our commitment to building not only skilled professionals but also responsible innovators who will lead with integrity and vision.

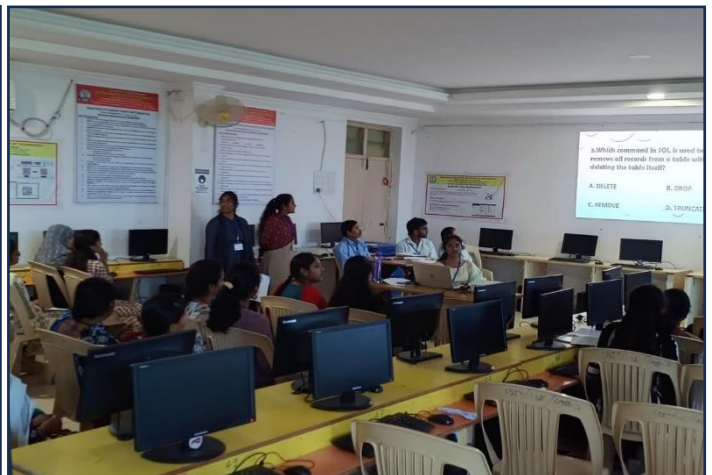
As we look ahead, let us continue to strengthen our knowledge, embrace change, and pursue excellence in all that we do. Together, we will shape a future where technology serves humanity and progress knows no bounds.



Dr. Y. Dasaratha Rami Reddy
Head of the Department
Computer Science and Engineering

✧ A Glorious CSE Symposium Journey ✧

CSE students organized a remarkable symposium, earning widespread recognition for their dedication and teamwork. Their efforts brought prestige to the department through enthusiastic participation and outreach. The event featured technical sessions, competitions, and expert talks, enhancing students' learning and strengthening the department's reputation.



✧ Camp by Eduskills ✧

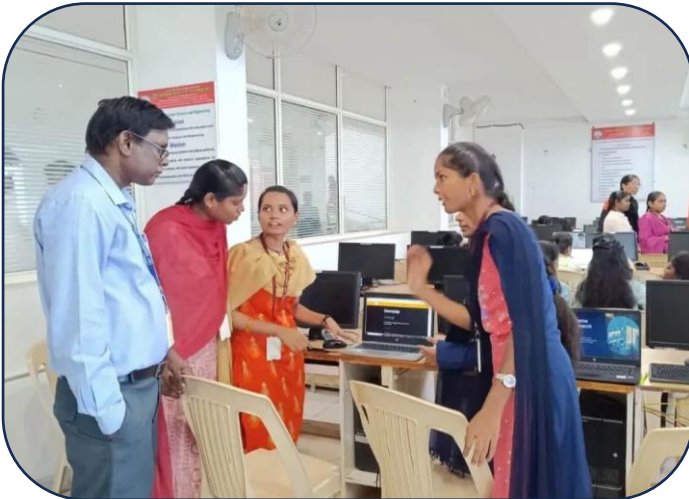
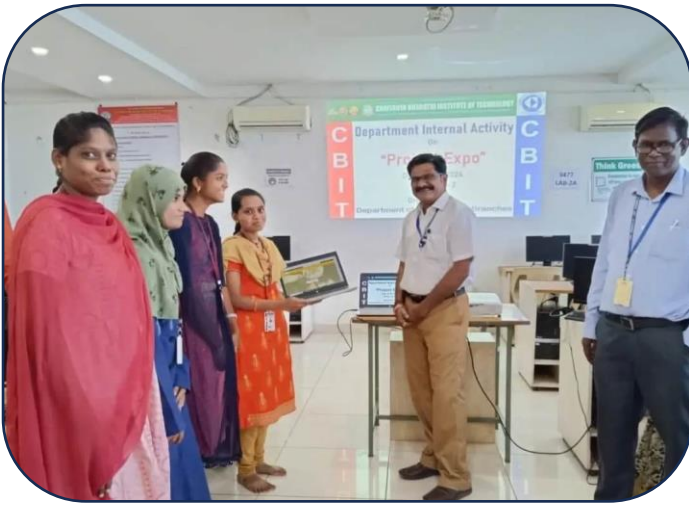
The Google AI/ML Tech Camp, organized by Eduskills in collaboration with the T&P Cell and the Department of CSE and allied branches, successfully concluded from October 21-23, 2024. This 3-day bootcamp provided selected 3rd-year students from CSE and allied branches with hands-on experience in advanced AI and ML technologies. Participants worked on real-world AI/ML projects, explored Google Cloud AI tools, and delved into applications like Natural Language Processing, Computer Vision, and Deep Learning.



The camp empowered students with practical skills, advanced technical knowledge, and industry insights, preparing them for emerging opportunities in the AI/ML field. The initiative was a resounding success, leaving participants motivated and inspired.

✧ Innovators of Tomorrow ✧

Highlighting the creative brilliance and technical expertise of our students, who have showcased innovative projects with enthusiasm and skill. Their work reflects the future of technology and problem-solving, setting new standards for excellence. We celebrate their contributions, which inspire innovation and push the boundaries of knowledge. These projects represent the next generation of leaders, paving the way for impactful change in various fields.



With a strong commitment to innovation, our students have explored cutting-edge technologies, tackling real-world challenges with determination. Their projects span AI, data science, automation, and sustainability, bridging theory with practical applications. Through teamwork and perseverance, they continue to inspire a culture of research, creativity, and technological advancement, shaping a brighter future.

✧ Alumni Meet ✧

The AlumniMeet2k24, held on 17th August 2024, was a memorable event celebrating the achievements and journeys of CBIT's incredible alumni. It was a heartwarming opportunity to reconnect, share success stories, and reflect on the bonds that continue to inspire growth. A big thank you to everyone who made this event unforgettable. Let's keep growing and supporting each other! **Looking forward to many more reunions filled with nostalgia, inspiration, and success.**



✧ Embracing New Journeys ✧

Freshers' Day is not just a celebration but a milestone marking the beginning of a remarkable journey. Just as farewells signify the end of one chapter and the start of another, this day heralds the opening of a new book in your academic and personal life. Remember, education is your dress rehearsal for the life you are destined to lead. Embrace this journey with curiosity and determination, as each step you take today shapes the leaders of tomorrow.



✳ International Workshop for Educators at CBIT ✳

CSE(AI) Department recently hosted a prestigious International Workshop for Educators, bringing together esteemed teachers, researchers, and thought leaders from around the globe. The event served as a platform to exchange innovative teaching practices, explore emerging trends in education, and foster international collaboration.

The workshop featured keynote speeches by renowned academicians, interactive workshops, and insightful panel discussions on transformative pedagogical strategies. Participants delved into topics such as leveraging technology in classrooms, promoting inclusivity, and enhancing global teaching standards.

A heartfelt congratulations to everyone who contributed to the success of this remarkable event! CBIT continues to set a benchmark for academic excellence and innovation, paving the way for a brighter future in education.



✧ A Spectacular Celebration of Talent ✧

The CBIT campus was abuzz with excitement as Euphoria 2k24 unfolded in all its glory! The event was a dazzling showcase of electrifying performances, vibrant creativity, and the unbreakable unity of our student community. From captivating music and dance acts to awe-inspiring art and drama, every moment was a testament to the incredible talent within our college. A huge shoutout to everyone who contributed to making Euphoria 2k24 an unforgettable success! As we revel in the memories, the anticipation for the next chapter of excitement and inspiration is already building.



Faculty Achievements

One-Day Workshops:

- ❖ Dr Y. Dasaratha Rami Reddy, Mr G. Sreenivasa Reddy, Mr C. Krupa Sagar Reddy, Mrs M. Lakshmi Madhuri, Dr N. Srinivasan, Dr P. Narasimhaiah, Dr P. Pavan Kumar, Mrs K. Gayathri, Mr B. Dada Khalander, Ms S. Muneera, Mrs S. Himaja, Mrs A. Aparna, Ms S. Shajarin, Mr S. Riyaz, Mr B.Rajesh, Ms A.S. Ayesha Amreen, Mrs T. Venkata Subbamma, Mrs K. Divya Tejaswi, Ms R. Saila Banu, Mr R. Khaja Hussain Successfully completed One-Day workshop on **“The Art of Teaching Developing Soft Skills for Effective Instructions”** on December 8th, 2024.
- ❖ Dr Y. Dasaratha Rami Reddy, Mr G. Sreenivasa Reddy, Mr C. Krupa Sagar Reddy, Mrs M. Lakshmi Madhuri, Dr N. Srinivasan, Dr P. Narasimhaiah, Dr P. Pavan Kumar, Mrs K. Gayathri, Mr B. Dada Khalander, Ms S. Muneera, Mrs S. Himaja, Mrs A. Aparna, Ms S. Shajarin, Mr S. Riyaz, Mr B.Rajesh, Ms A.S. Ayesha Amreen, Mrs T. Venkata Subbamma, Mrs K. Divya Tejaswi, Ms R. Saila Banu, Mr R. Khaja Hussain Successfully completed **One-Day International Workshop** on **“Work Integrated Learning Through AI”** on December 14th, 2024.

Dr Y. Dasaratha Rami Reddy, Professor:

- ❖ Dr Y. Dasaratha Rami Reddy published a research paper in the **Scopus-indexed journal TSINGHUA SCIENCE AND TECHNOLOGY** (ISSN: 1007-0214) titled "An Efficient Quantum Enabled Machine Algorithm by Universal Features for Predicting Botnet Attacks in Digital Twin Enabled IoT Networks."
- ❖ Dr Y. Dasaratha Rami Reddy published a research paper in the **Scopus-indexed journal Scalable Computing: Practice and Experience** (ISSN: 1895-1767) titled "Quality Enhancement with Frame-Wise DLCNN Using High-Efficiency Video Coding in 5G Networks."
- ❖ Dr Y. Dasaratha Rami Reddy has presented a paper entitled **“An Efficient Quantum Enabled Machine Algorithm by Universal Features for Predicting Botnet Attacks in Digital twin enabled IoT Networks”**, in IEEE INGARSS-2024.
- ❖ Dr Y. Dasaratha Rami Reddy has Participated in AICTE Training and Learning (ATAL) Academy Faculty Development Program on “Transforming Healthcare: Recent Advances in nanotechnology for Medical Application & Radiation Treatment” at NAVARASAM ARTS AND SCIENCE COLLEGE FOR WOMEN from 3rd to 9th December, 2024.

Mr G. Sreenivasa Reddy, Associate Professor:

- ❖ Mr. G. Sreenivasa Reddy Participated in One Day Master Trainer Training Programme on “Cybersecurity Awareness” organized by Directorate of Faculty Development Center, JNTUA in collaboration with C-DAH Hyderabad as part of ISEA Project, Ministry of Electronics and Information technology (MietY), Got at JNTUA Ananthapuramu on 20th September 2024.

Mrs Andluru Aparna, Assistant Professor:

- ❖ Mrs. Andluru Aparna Participated in AICTE Training and Learning (ATAL) Academy Faculty Development Program on “Transforming Healthcare: Recent Advances in nanotechnology for Medical Application & Radiation Treatment” at NAVARASAM ARTS AND SCIENCE COLLEGE FOR WOMEN from 3rd to 9th December, 2024.
- ❖ Mrs. Andluru Aparna Participated in One week Faculty Development Program on “OBE & NEP 2020”, during 10th to 14th June 2024, jointly organized by Internal Quality Assurance Cell – IQAC, PBR VITS, Kavali and VIT-AP University, Amaravathi.
- ❖ Mrs. Andluru Aparna Participated in AICTE Training and Learning (ATAL) Academy Faculty Development Program on “Industr 4.0: Research & Applications Perspective” at PRASHANTI INSTITUTE OF TECHNOLOGY & SCIENCE from 16rd to 21th December, 2024.
- ❖ Mrs. Andluru Aparna Participated in AICTE Training and Learning (ATAL) Academy Faculty Development Program on “ADVANCED ANALYTICS FOR NEXT-GENERATION INDUSTRIAL PROCESSES” at Atal Bihari Vajpayee Indian Institute of Information Technology and Management Gwalior from 23rd to 28th December, 2024.

Mr Bandela Rajesh, Assistant Professor:

- ❖ Mr. Bandela Rajesh Participated in One Day Master Trainer Training Programme on “Cybersecurity Awareness” organized by Directorate of Faculty Development Center, JNTUA in collaboration with C-DAH Hyderabad as part of ISEA Project, Ministry of Electronics and Information technology (MietY), Got at JNTUA Ananthapuramu on 20th September 2024.
- ❖ Mr. Bandela Rajesh Participated in Faculty Development Programme on “AI Tools and Techniques for Research” from 9th to 13th December, 2024, organised by the Administration & IQAC, Andhra Loyola College.

Mrs T. Venkata Subbamma, Assistant Professor:

Mrs. T. Venkata Subbamma Participated in AICTE Training and Learning (ATAL) Academy Faculty Development Program on “Transforming Healthcare: Recent Advances in nanotechnology for Medical Application & Radiation Treatment” at NAVARASAM ARTS AND SCIENCE COLLEGE FOR WOMEN from 3rd to 9th December, 2024.

Ms Shaik Muneera, Assistant Professor:

- ❖ Ms. Shaik Muneera Participated in One week Faculty Development Program on “OBE & NEP 2020”, during 10th to 14th June 2024, jointly organized by Internal Quality Assurance Cell – IQAC, PBR VITS, Kavali and VIT-AP University, Amaravathi.
- ❖ Ms. Shaik Muneera Successfully Completed and received a Passing grade in HTML5.0x: HTML5 and CSS Fundamentals, a course of study offered by W3Cx, an online learning initiative of World Wide Web Consortium, Issued June 20,2024.
- ❖ Ms. Shaik Muneera Successfully Completed and received a Passing grade in FC1x: Fat Chance: Probability from the Ground Up, a course of study offered by HarvardX, an online learning initiative of Harvard University, Issued June 24,2024.
- ❖ Ms. Shaik Muneera has Participated in One week Online Faculty Development Program on “A deep Drive into Artificial Intelligence (AI) and Its Application Workflows Using MATLAB, during 15th to 19th July 2024, organised by Department of E&TC, Bharathi Vidyapeeth (Deemed to be University) College of Engineering Pune in association with MathWorks, DesignTech Systems Pvt. Ltd.
- ❖ Ms. Shaik Muneera Participated in Faculty Development Workshop on “Dark Web” on 19th October, 2024, organised by THE UNIVERSITY OF THE WEST INDIES.
- ❖ Ms. Shaik Muneera Certified by Data Flair for successfully completing free training program on Introduction to Java on October 31, 2024.
- ❖ Ms. Shaik Muneera Participated in the International Webinar on “Emerging Trends In Shaping the Future of Business and Technology” organised by Department of commerce with Computer Applications on 4th December,2024.
- ❖ Ms. Shaik Muneera Participated in AICTE Training and Learning (ATAL) Academy Faculty Development Program on “Artificial Intelligence Edge – Soft Computing” at DR. SIVANTHI ADITANAR COLLEGE OF ENGINEERING from 9th to 14th December, 2024.
- ❖ Ms. Shaik Muneera Participated in AICTE Training and Learning (ATAL) Academy Faculty Development Program on “Quantum Computing” at DHANALAKSHMI SRINIVASAN ENGINEERING COLLEGE from 16th to 21st December, 2024.
- ❖ Ms. Shaik Muneera Participated in AICTE Training and Learning (ATAL) Academy Faculty Development Program on “The Future of Quantum Computing and High-performance computing(HPC)” at P.S.V.COLLEGE OF ENGINEERING AND TECHNOLOGYCOLLEGE from 23th to 28th December, 2024.

✧ CBIT Students Shine with Prestigious Internships and Ambassadorships ✧

CBIT Autonomous Engineering College proudly congratulates its students for achieving remarkable milestones.

- Dasari Vishnu Yadav (ECE) and K Abdul Hadi (CSE) have been selected as Interns and Campus Ambassadors for IIT Bombay E-Cell.
- S Venkata Anish Reddy, Y Subramanyam Sastry, and Y Jaya Vardhan Reddy (CSE) also secured positions as IIT Bombay E-Cell Interns and Ambassadors.
- S Rubia Banu (CSE) secured an internship at HRDD, SDSC SHAR.
- Another student from CSE has been selected for Internship Training at Satish Dhawan Space Center SHAR (ISRO), Sriharikota.



Star Student Performers

Applaud the extraordinary achievements of our top academic stars! Their dedication, brilliance, and pursuit of excellence inspire peers and set new standards of success. Truly, they are beacons of ambition and motivation!



Our top academic achievers exemplify dedication, brilliance, and the pursuit of excellence, inspiring others to strive for greatness and setting a remarkable standard of success.

✧ Student Corner ✧

Let's commemorate the remarkable feats of our students in symposiums, knowledge duels, algorithmic conquests, and innovation sprints! Your pioneering research, razor-sharp acumen, programming finesse, and avant-garde creations stand as a testament to your unwavering diligence. Each milestone etches your legacy of brilliance and redefines the zenith of achievement. Forge ahead and continue to galvanize excellence!



Your resilience in tackling challenges, commitment to learning, and ability to transform ideas into impactful solutions set you apart. From groundbreaking prototypes to revolutionary code, your work fuels innovation and inspires future pioneers. Keep striving, keep innovating, and let your achievements shape the future!

✧ Champions of Sports ✧

Celebrating the outstanding achievements of our athletes, who have demonstrated exceptional skill, dedication, and sportsmanship, bringing glory to our institution. Their relentless pursuit of excellence and unwavering commitment to their craft have set new benchmarks of success. Each victory reflects the hard work and discipline that has shaped them into champions, showcasing the strength of their determination and passion.

These talented individuals have not only excelled in their respective sports but have also embodied the values of teamwork, discipline, and resilience. Their unwavering focus and ability to perform under pressure serve as an inspiration to all. They have become role models for their peers, proving that success is earned through perseverance and a strong work ethic.



We proudly honor their success and look forward to witnessing their continued triumphs in the future, both on and off the field. These athletes exemplify the spirit of perseverance, inspiring others to reach for greatness. Their dedication and skill continue

✧ A Visit to Askaan Technologies ✧

On November 15th, 2024, the III CSE (AI, AI&ML, DS) students from our college had the remarkable opportunity to immerse themselves in the technological realm at Askaan Technologies, Kottakuppam, Tamil Nadu. The visit provided valuable, hands-on insights into cutting-edge concepts like Agile workflows, DevOps strategies, and the integration of AI, ML, IoT, and Cloud Computing. Guided by industry experts, the students actively engaged in addressing real-world challenges such as version control, debugging, and deployment processes. This enriching experience not only fueled their passion for technology but also laid a solid foundation for their future career endeavors in the tech industry.



✧ Upcoming Events ✧

Sankranti Sambaralu

College Day

Farewell Day

Symposium

Workshop on AI Tools

Seminar

Faculty Development Program

Workshop

