

COMMITTED TO  
RESEARCH,  
INNOVATION AND  
EDUCATION

**45**  
years

# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

An Autonomous Institute | Affiliated to Osmania University



Approved by



Recognized  
Research Centers



Programs  
Accredited by



6 UG & 4 PG Programs

All India Ranking 151-200 Band



ISO Certifications

Quality Audit	9001 : 2015
Green Audit	14001 : 2015
Energy Audit	50001 : 2018

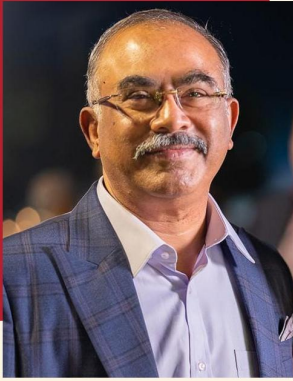
[www.cbti.ac.in](http://www.cbti.ac.in)

Follow Us On :

**2024**



# PRESIDENT'S MESSAGE



**Sri. N. Subash**  
- President

Hearty welcome to the serene portals of Chaitanya Bharathi Institute of Technology, popularly known as CBIT, a distinguished institution committed to excellence in education, innovation, and holistic development.

At CBIT, we take pride in our rich heritage of academic achievements and our unwavering dedication to nurturing the next generation of leaders, thinkers, and innovators. Our mission is to provide a transformative educational experience that empowers individuals to excel in their chosen fields and contribute meaningfully to society.

In the ever-changing landscape of higher education, CBIT stands as a pioneer in innovation, wholeheartedly embracing new technologies, progressive pedagogical approaches, and collaborative interdisciplinary initiatives. We are committed to fostering an inclusive and vibrant learning environment that encourages curiosity, critical thinking and a passion for lifelong learning.

The Institute is having highly qualified and distinguished Faculty who work as facilitators making the learning process interesting, engrossing, and enjoyable. state-of-the-art infrastructure and cutting-edge facilities at CBIT provide a conducive atmosphere for academic exploration and research.

We believe in the importance of a well-rounded education that goes beyond the confines of the classroom. Our students are encouraged to participate in extracurricular activities, sports, community service and internships, shaping them into well-rounded individuals ready to face the challenges of the global landscape.

I invite you to explore the diverse academic programs offered at CBIT, each designed to equip students with the skills and knowledge needed to thrive in their chosen careers. Whether you are pursuing undergraduate or postgraduate studies, you will find a supportive community dedicated to your success.

As we embark on this academic journey together, let us strive for excellence, embrace innovation and uphold the values that define CBIT. I am confident that your time with us will be marked by intellectual growth, personal development and lasting friendships.

Thank you for considering CBIT for your educational aspirations. I look forward to welcoming you to our esteemed academic community.

## PRINCIPAL'S MESSAGE

Chaitanya Bharathi Institute of Technology (CBIT) is established in the year 1979, by a group of visionaries from various professions. Since then, it has undergone significant transformation in terms of expanding its focus on to research and consultancy. There is a tremendous growth in terms of facilities, student strength and faculty competence. With these developments, I assure, our students will evolve as exemplary engineers equipped with skills to face the Industry 5.0 challenges and the dynamic technological disruption that is being experienced in every industry.

CBIT has established start-ups and incubation ecosystems to support ideation and implementation under the guidance of faculty/experts and well-known thought leaders in their fields of Engineering and Management. Efforts are on, in the direction of motivating the students towards Research, Innovation, Start-ups, Patenting and Product development for sustainable technology.

CBIT is known for encouraging students towards co-curricular and extracurricular activities apart from the curriculum to showcase their talents. As a firm believer in 'pragmatic education' I align myself delightedly with the institute and I am here to encourage effective performance and motivate all the stakeholders to be working happily for the growth of the Institute. I always assert "doing is learning" and encourage students to get involved in innovative projects for an effective overall learning experience. Further, I believe that problem based learning, project based learning and experiential learning are the tools to achieve the objectives of OBE and thus will yield better learning outcomes. My coinage, "the 5Ps": Placements, Publications, Projects, Patents, and Participatory administration are the key to sustain our brand on the National and International platforms.

With these insights and the guidance of a positive and proactive management, I am sure that my team of faculty and other staff at Institute will facilitate qualitative learning at Institute for our beloved students. I welcome all the new entrants whole heartedly and wish that they utilize the resources available at CBIT to excel in their lives and careers.



**Prof. C. V. Narasimhulu**  
- Principal



# BOARD OF MANAGEMENT

- **Sri. Subash N**  
President
- **Sri. Shyam Sunder Reddy J**  
Member
- **Sri. Chakradhar Reddy P**  
Member
- **Sri. Pratap Reddy J**  
Member
- **Sri. Praveen Reddy D**  
Member
- **Mrs. Sandhya Sree D**  
Member
- **Mrs. Uma Devi S**  
Member
- **Sri. Venkat Ramdev T**  
Member
- **Sri. Saharsh Reddy B**  
Member
- **Mrs. Shalini Reddy B**  
Member
- **Mrs. Kranti T**  
Member
- **Mrs. Divya Reddy P**  
Member
- **Sri. Ravindra Kumar N**  
Member
- **Mrs. Padma N**  
Member
- **Dr. Jayasree C**  
Member







# INSTITUTE MOTTO

## SWAYAM TEJASWIN BHAVA

### Genesis and Evolution

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY, established in the Year 1979, esteemed as the premier engineering Institute in the states of Telangana and Andhra Pradesh, was promoted by a group of visionaries from varied professions of Engineering, Medical, Legal and Management, with an objective to facilitate the best engineering and management education to the students and contribute towards meeting the need of skilled and technically conversant engineers and management professionals, for the country that embarked on an economic growth plan.

The Institute committed to Research, Education and Innovation, started with 3 UG Programs in Engineering with an intake of 200 Students and over a period of **45 Years**, the intake has grown to 1994 Students with 12 UG & 10 PG Programs (AICTE Approved Programs). It has emerged as a dream destination for students seeking to excel in engineering and management education, teaching community to progress with a rewarding career and a choice for the corporates to source well-rounded Engineers.

Stringent Academic standards, Industry compliant teaching methodology, research projects from private and public sector Industries in engineering, management and consultancy practice, enabled the Institute to establish its Identity in the field of Technical Education. CBIT is Ranked No. 1 amongst the Private Engineering Colleges in both the Telugu Speaking States.

### Vision

To be the center of excellence in technical education and research

To address the emerging needs through quality technical education and advanced research

### Mission

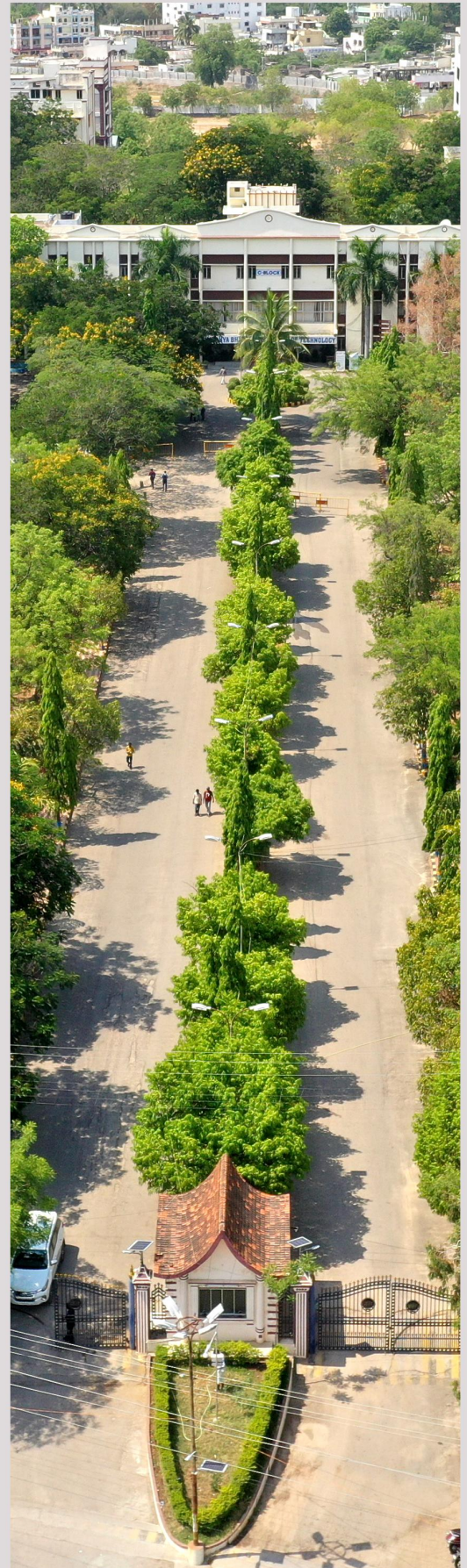
### Quality Policy

CBIT imparts value based Technical Education and Training to meet the requirements of students, Industry, Trade/ Profession, Research and Development Organizations for Self-Sustained growth of the Society.



# INSTITUTE AT A GLANCE

- **Accredited** by **NAAC** with **A++ Grade** (3<sup>rd</sup> Cycle)
- **UGC Autonomous** status since 2013
- **NBA accredited UG/PG Programmes** since 1998 (Seven times for some Programs )
- **First NBA Accredited Self-Financed Institution** in the undivided state of Andhra pradesh
- **Ranked** in the band of **101-150 by NIRF-Innovation** 2023
- **Ranked** in the band of **151-200 by NIRF Engineering** in 2023
- **Rated 4 star** for Innovation by **IIC, Ministry of Education, Govt. of India**
- **Ranked 2<sup>nd</sup>** in Telangana & **16<sup>th</sup>** out of top 100 Private Engineering Institutions in the Country by **THE WEEK Magazine** in its June 2024 Edition
- Recipient of **World Bank Assistance** for an amount **Rs. 5 Cr.** Under **TEQIP II**
- **First** to establish **Atal Community Innovation Centre (ACIC)** in the state of Telangana **with Funding of Rs. 4.51 Crores**
- Established **AICTE-IDEA Lab** with a Funding of **Rs. 95 Lakhs**
- **First ISO 9000 Certified Self-Financed Institution** in the undivided state of Andhra pradesh.
- Completed **75 Research and Consultancy Projects** of worth **Rs. 4.45 Crores**
- Ongoing **24 Sponsored Research and Consultancy Projects** of worth **Rs. 10.34 Crores**
- **5 Engineering Departments** are recognized as **Research Centres** by Osmania University
- **86 MoUs** with reputed organizations to improve research, innovation and extension activities
- **Published 200+ IPRs** and **19 Patents** are **Granted**
- Incubation Center with **21 Innovators/Startups**
- **Industry Supported Labs** of worth **Rs. 8.2 Cr.**
- **Won Rs. 13.64 Lakhs Prize Money** in Hackathons by Students
- **First** Institute to introduce **Honors and Minor Engineering Degree** in Telangana State







# Why Study at CBIT

- Highly coveted Institute by parents and students.
- Consistently Ranked by NIRF from 2016.
- Excellent internships and placement opportunities.
- Well qualified and experienced faculty.
- First ISO certified Institute in Self-Financed Engineering colleges across Telugu States.
- Band Excellent by ARIIA 2021 - 2022.
- Lush green campus on the banks of osmansagar lake with serene ambience.
- Effective mentoring and strong teaching learning process.
- Industry expertise labs established by Hexagon, Cognizant, AAU, SAC-ISRO etc.
- Industry complied pedagogy.
- Strong alumni connect with more than 30000+ alumni across the globe.
- Holistic approach for all-round development through curricular, co- curricular & extracurricular activities.
- Equipping the students with Industry relevant skills and conceptualized corporate traits.







## PROGRAMS OFFERED

(AICTE Approved Programs for AY 2024-25)

### UG PROGRAMS

### INTAKE

» B.E - CIVIL ENGINEERING	120
» B.E - MECHANICAL ENGINEERING	120
» B.E - ELECTRONICS AND COMMUNICATION ENGINEERING	180
» B.E - COMPUTER SCIENCE AND ENGINEERING	360
» B.E - ELECTRICAL AND ELECTRONICS ENGINEERING	120
» B.E - INFORMATION TECHNOLOGY	180
» B.TECH - CHEMICAL ENGINEERING	60
» B.TECH - BIOTECHNOLOGY	120
» B.E - ARTIFICIAL INTELLIGENCE AND DATA SCIENCE	120
» B.E - COMPUTER SCIENCE AND ENGINEERING (ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING)	180
» B.E - COMPUTER SCIENCE AND ENGINEERING (INTERNET OF THINGS AND CYBER SECURITY INCLUDING BLOCK CHAIN TECHNOLOGY)	60
» B.E - ELECTRONICS ENGINEERING (VLSI DESIGN AND TECHNOLOGY)	60

### PG PROGRAMS

### INTAKE

» MBA (MASTER OF BUSINESS ADMINISTRATION)	120
» MCA (MASTER OF COMPUTER APPLICATIONS)	60
» ME - STRUCTURAL ENGINEERING (CIVIL)	18
» ME - CAD / CAM (MECHANICAL)	18
» M.TECH -COMPUTER SCIENCE AND ENGINEERING (CSE)	24
» ME - COMMUNICATION ENGINEERING (ECE)	12
» ME- POWER SYSTEMS & POWER ELECTRONICS (EEE)	12
» ME-EMBEDDED SYSTEMS AND VLSI DESIGN (ECE)	18
» M.TECH - ARTIFICIAL INTELLIGENCE AND DATA SCIENCE (AI&DS)	18
» M.TECH. - INFORMATION TECHNOLOGY (ARTIFICIAL INTELLIGENCE AND ROBOTICS)	18



# CURRICULUM HIGHLIGHTS

- ✦ Implementation of Outcome Based Education (OBE)
- ✦ Choice Based Credit System (CBCS)
- ✦ Well balanced curriculum with due importance to courses addressing the human values, ethics, environment, gender sensitization, societal issues, etc
- ✦ Provision for credit transfer through MOOCs



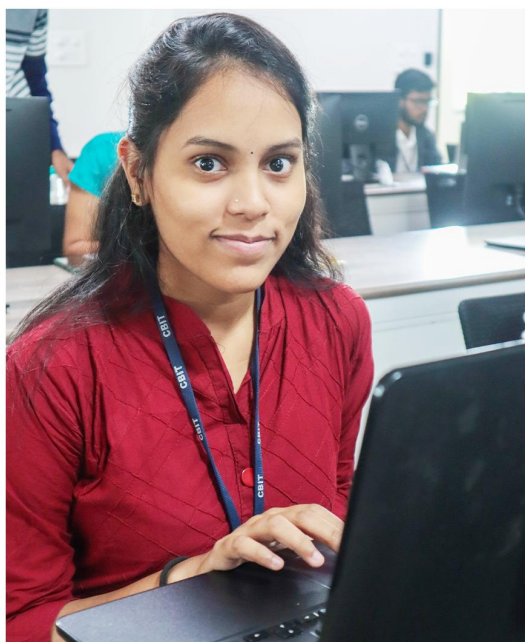
## Honors and Additional Minor Engineering

The Institute provides an opportunity to the students to get a UG Degree with 'Honors' in one's own discipline or 'Additional Minor Engineering' in a discipline other than one's own by earning an additional 20 credits, in addition to basic degree 160 credit requirement. These additional 20 credits can be acquired through MOOCs.



## Student Internship Program

CBIT Implements Mandatory Internships with the following Objectives:



- ✦ Students get exposure to the industrial environment
- ✦ Provides opportunities to learn, make them understand and sharpen them to acquire the real time technical/managerial skills required for the job
- ✦ Facilitates to understand the current technological developments relevant to program domain, responsibilities and ethics
- ✦ Provide opportunity to comprehend the socio-economic and administrative considerations influencing the working environment of industrial organizations, psychology of the workers, their habits, attitudes and approach to problem solving



# INDUSTRY SPONSORED LABS

## Hexagon - 3D Innovation Lab



### Software and Hardware

- ✦ CAESAR II, PVELITE, TANK & GT STRUDL
- ✦ 20 WORK STATIONS

Worth ₹6.5 Crores Sponsored by  
M/s Hexagon Capability Center Pvt. Ltd.

## AICTE - IDEA Lab

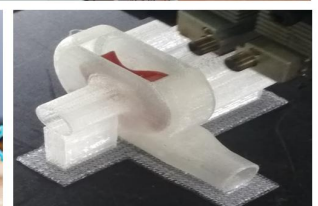
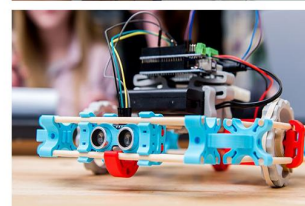
### Robotics & Drones Lab

- This pioneering course is a first-of-its-kind in the state of Telangana, setting new standards in technical education for all programmes.
- The introduction of the Robotics and Drones Lab course is a testament to our institution's commitment to Innovation and Excellence in Education.
- By providing students with the opportunity to engage with cutting edge technologies, that helps for shaping the future leaders of the robotics and drone industry.
- This course not only meets the academic requirements but also instills a passion for innovation and discovery, essential qualities for the engineers of tomorrow.



### Digital Fabrication Lab

- 3D Printing is a fabrication process that generates physical objects in a layer-by-layer fashion.
- Enables students to design and produce complex shapes using less material.
- Students learn to calibrate and post processing techniques on FDM based and SLA Printers.
- Students also get an exposure in the manufacturing of products with reverse engineering using 3D scanner to generate the 3D CAD models.





# FACULTY

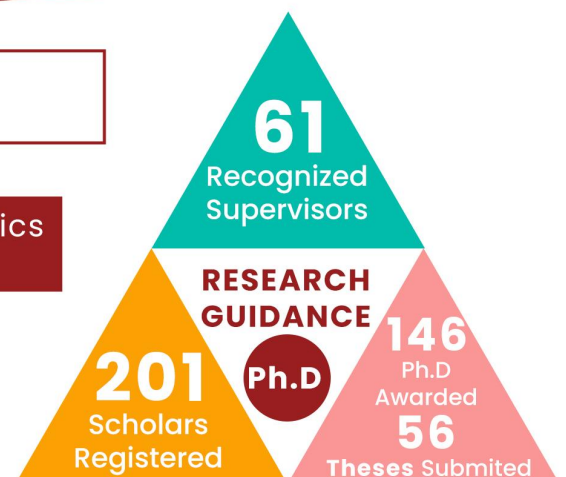


- ▶ Top-Quality Academicians, Industry Experts pursued studies from IITs, NITs, Central Universities and Foreign Universities
- ▶ Notable for domain knowledge and ability to inspire the students with innovative ideas.
- ▶ Faculty members represent in NAAC, NBA, UGC evaluation committees, project evaluators at DRDO, ISRO, NRSA, NEAT, AICTE, DHI projects & SERB - DST projects
- ▶ Editors, Editorial board members and Reviewers of reputed journals
- ▶ 254, experienced and able supporting technical staff are strength to practically orient the students.

Our Faculty Develop & Deliver the Educational Programs that bring Excellence in students

Faculty Involvement here goes far beyond Academics and influences every aspect of campus life

Faculty Members Guide Students for Innovative Projects and Mentor Startups





# INFRASTRUCTURE



## ADMINISTRATIVE & ACADEMIC AREA

Admin Office, Academic and Exam Cell, Library, Staff Rooms, Controller of Examination, Training & Placement Cell, Laboratories, Class Rooms, Tutorial Rooms, Seminar halls, Research Labs, Computing Facilities & Central Workshops.

## AMENITIES AREA

Waiting Halls, Wash Rooms, Auditoriums, Cafeteria, Stationery Store, Open Auditorium, Bank, Post Office, Sports Complex, Parking, Hostels, Security, Staff Quarters, Mineral Water Plant, Cricket Ground, Basket Ball Court, Gymnasium & Green house etc.

### E-CLASS ROOM



### COMPUTER LAB



### WORKSHOP



### SPORTS BLOCK





HYRAL 3D PRINTER – R&E HUB



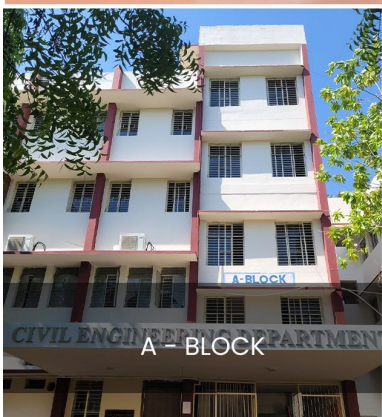
N BLOCK SEMINAR HALL



CONFERENCE HALL



ASSEMBLY HALL



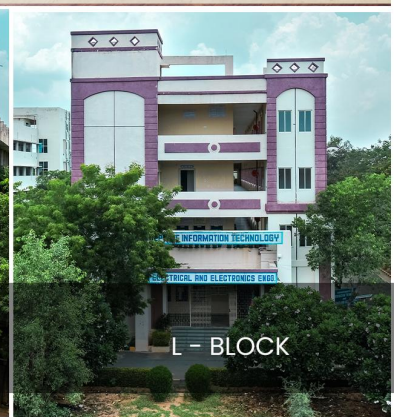
A - BLOCK



B, C, D & E BLOCK



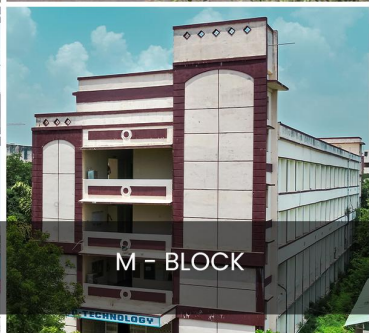
K - BLOCK



L - BLOCK



MBA - BLOCK



M - BLOCK



N - BLOCK



OPEN AIR AUDITORIUM



### HEALTH CENTER



A Health center equipped with medical professionals including doctor and nurse, an ambulance service, and tie-up with local hospitals, ensuring comprehensive healthcare facilities and immediate assistance for medical emergencies.

### AMBULANCE



### HOSTELS



College hostel accommodates 550 boys, alongside private hostels for girls conveniently situated near the campus, ensuring separate accommodations tailored to gender preferences and Institute guidelines.



### COMPUTER LABS



There are 47+ computer labs equipped 2,409 Desktop computers, 12 high-end servers, 186 laptops, and 138 printers, all connected to internet services and Wi-Fi operating at a speed of 1050 Mbps.

### DATA CENTER



### TRANSPORT



50 buses for staff & students transportation and other vehicles for Administrative purposes.

### BUS BAY



### CANTEEN



A well furnished and spacious Canteen  
2 Generators with capacity of 500 kVA and 125 kVA

### GENERATOR





# LIBRARY & INFORMATION CENTRE

Independent Building with an area of 18,500 sft. spread over two floors, Ground Floor has Book Circulation Section, News Papers, Back Volumes of Periodicals and Reprography / Photocopy and First Floor with Reference Books, Current Periodicals, E-learning Resource Centre, Digital Library Discussion Rooms.



## Resources

- IEEE – ASPP (Transactions)
- IEEE-POP all ( Conf. Proceedings)
- Elsevier – Science Direct
- ASCE Digital library
- ASME Digital Library
- Springer E. Journals
- McGraw-Hill's Access Engineering
- J-Gate –Engg. & Technology
- J-Gate – Management Sciences
- Elsevier – Scopus Database
- Springer E-Books
- McGraw Hill E-Books
- Packt E-Books
- NLIST E-Resources
- MyLoft –Remote Access Facility

## Collection

**1,20,300+ Volumes**

**21,400+ Titles**

**13,500+ Reference Books**

**15,000+ Book Bank Books**

**6,000+ E. Books**

**12,500+ Project Reports**

**2,200+ Back Volumes**

**5,000+ International & National Journals Access**





# LIBRARY & INFORMATION CENTRE

## FACILITIES

- E. Learning Resource Centre
- E.Journals Access Room
- INTERNET Access
- Wi-Fi Facility
- Computing Facility
- Discussion Room
- Study Cubicles
- News Papers
- Magazines
- Print Journals
- Book Bank Facility
- Reprography
- Information Desk
- Website. Blog
- QR Code Access
- Online Access Catalogue
- Member in National Digital Library

### LIBRARY BUILDING



Library Website @ <https://www.library.cbit.ac.in/>



# CAREER DEVELOPMENT CENTRE (CDC)



- » CDC aims in equipping the students with industry relevant skills and conceptualized corporate traits.
- » Guiding them towards bright careers imbued with professional ethics.
- » Total No of Students Placed from year 2000 onwards are **20,601+** in leading MNCs, Microsoft, Google, JPMC, Oracle, Amazon, Deloitte, ITC, HUL, HIL, MRF, Dr.Reddy's, Aurobindo, Hetero, CTS, Infosys, Accenture, TCS, Wipro, Capgemini, Sirpur Paper Mills & Orient Cement.
- » More than 83% of eligible Students placed & the rest opted for Higher Education

## Innovative Strategies Initiated by CDC

Arranging company specific Virtual Meetings by placed students with current students appearing for the placements

Conducting Mock placements by successfully placed senior students and Student Placement Coordinators

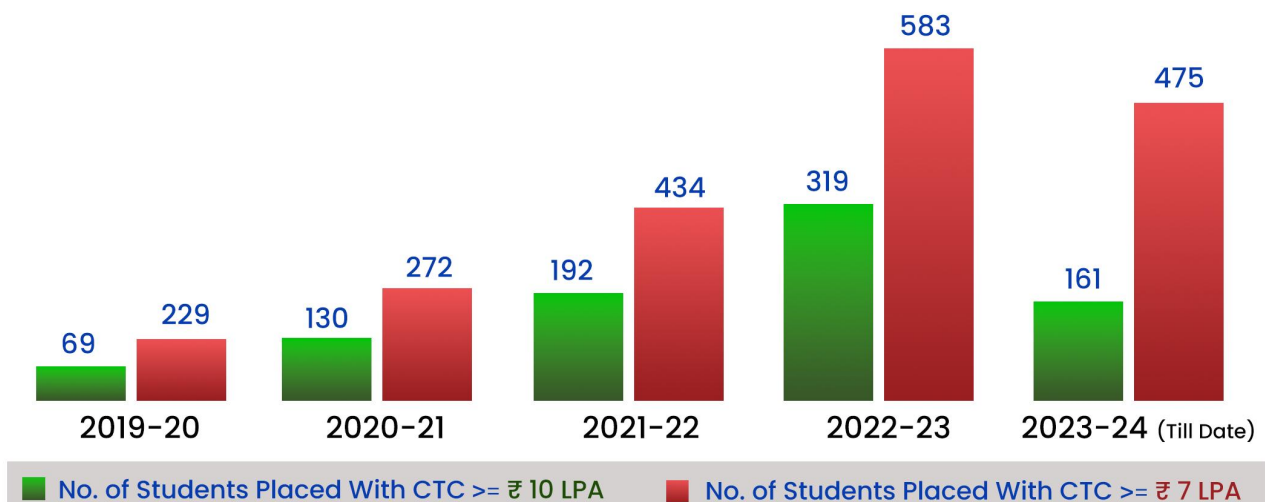
Training the students on Coding Platforms like Hacker Rank, Hacker Earth, Code Chef, and Leetcode right from III Semester onwards for quality placements through Coding School

Emphasizing on Certifications like Cloud by AWS, Android by Google, Data Analytics by IBM, .Net from Microsoft and Java by Oracle etc.

Encouraging Students in participating in Hackathons ,Coding Competitions through Hackathon,Coding Clubs and encouraging them to create linkedin profiles

Bringing awareness on Online Courses by Coursera,Udemy, Udacity, LinkedIn Etc  
Skillling Non-IT students on Coding to improve their placements

## Placement Highlights





# OUR TOP RECRUITERS



## YEAR WISE PLACEMENTS



71% of Placements in 2023-2024 Batch (\* Till Date)

CDC-CBIT partnered with industries from diverse sectors like IT Products & Services, Manufacturing, Construction & Transportation, Banking & Finance, to provide avenues in shaping students' Career.

## CBIT SIGNED MoUs





# ICONIC PACKAGES



► **Meghana Sreeya Veeramallu**  
Package : ₹59.91 LPA



## HIGHEST PACKAGES



**Soumya Vemuri**  
Package : ₹54 LPA



► **Kodali Bhavana**  
CTC ₹49 LPA

**Arshia Parveen**  
CTC ₹49 LPA



Microsoft



► **Asritha D**  
CTC ₹44.5 LPA

**Vaasuki Achampeta**  
CTC ₹44.5 LPA



salesforce



► **Sai Sahithi Kosaraju**  
CTC ₹44.5 LPA

**Gayatri Piratla**  
CTC ₹44.5 LPA



Electronic Arts



► **Sri. Chakra Raj Pyaraka**  
CTC ₹44 LPA

**Nishanth Puppala**  
CTC ₹44 LPA



BATCH 2024-25



**PASUNURI KATHYAYINI**  
ROLL NO : 160121771088  
BRANCH : AI&DS



**ABHIRAM CHANDRA**  
ROLL NO : 160121771032  
BRANCH : AI&DS



**RAMIREDDY NITYA**  
ROLL NO : 160121733083  
BRANCH : CSE



**BONAGIRI SUPRIYA**  
ROLL NO : 160121729004  
BRANCH : AIML

STUDENTS SELECTED IN



INTERNSHIP-2023

WITH STIPEND

₹ 1,25000 PER MONTH





# RESEARCH AND ENTREPRENEURSHIP HUB

The R&E Hub with its State-of-the-Art Infrastructure, helps to promote Research and Innovations amongst the Faculty and Students by identifying new Research Areas, developing Projects leading to Publications, Products, Innovations and Start-Ups. All research activities are aligned with the **"Make in India"** concept of the Government of India.

Sponsored research & Consultancy Projects

**75** Completed worth ₹**4.45 Cr.**  
**24** Ongoing worth ₹**10.34 Cr.**  
**11** Completed worth ₹**57.33 L (In-House)**  
**46** Ongoing worth ₹**64.77 L (In-House)**

**3454** Research Publications  
**05** Recognized Research Centers (Civil, Mech, CSE, EEE, ECE)  
**37** Institute Scopus H - Index

**8717** Citations  
**6728** Citations

**06** MSME Start-ups

**02** Idea projects approved worth Rs. **30L**  
**(MSME contribution of Rs. 25.5 Lakhs)**

**43** Idea projects uploaded for funding

**Rs. 10L** Prize money won by CBIT Students along with Hexagon employees in Hexathon



Band **"EXCELLENT"** in ARIIA  
 Band of **101-150** in NIRF Innovation  
 Rated **04** stars Performance  
 Collaborations with **T-Hub's T-Tribe, TIE Hyderabad and MSME**

**200+** Patents (**19** Granted)  
**76** Programs conducted  
**60** Students certified by T-Tribe  
**04** Students start-up IPRs  
**01** Position in I&E Ecosystem Journey at IIC Regional Meet arranged by Ministry of Education Cell & AICTE (2022)  
**Second Prize** in the Idea Competition at Osmania TBI and got **Rs. 10,000** cash prize and **Rs. 1 Lakh** Incubation support from OTBI

Converting **Idea to Prototype**

IDEA Lab established of worth Rs. **95L**

**200+** students are undergoing Internship program



Second Prize in Idea Competition



Evangelise-2023, Innovation Challenge & RISC-V



# RESEARCH FUNDING AGENCIES

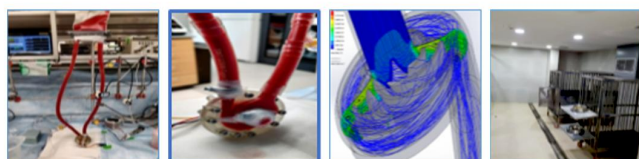


- Established Start-up cell, IPR cell and MSME Incubation Centre under R&E Hub to instill sense of Entrepreneurship
- 86+ MoUs with organizations to improve research, innovation and extension activities



## International Collaboration/Major Projects

➤ Design and Development of LVAD of an Artificial Heart (**Project cost Rs. 50.0 Lakhs**) in Collaboration with Pittsburgh University, Pennsylvania, USA.



➤ The Design, Fabrication and Development of Silicon Proven IP Core for High Resolution ADPLL (**Project cost Rs. 191.5 Lakhs**) Sponsored R&D Project from Ministry of Electronics and Information Technology (MeitY) Chips to Startup (C2S) Programme Jointly Executed by Chaitanya Bharathi Institute of Technology (CBIT) and Osmania University College of Engineering.



➤ IoT-based Smart Power Quality Analyzer (**Project cost Rs. 7.08 Lakhs**) International Collaborative Research Fund – University Malaysia Perlis and CBIT.

➤ Enhancement of the performance of different renewable energy sources using modern techniques (**Project cost Rs. 21.0 Lakhs**), sponsored by Ministry of Education, Najran University, Kingdom of Saudi Arabia and CBIT.



# ACIC-CBIT

Atal Innovation Mission (AIM) at NITI Aayog is mandated to promote a culture of innovation and entrepreneurship in India.

AIM has selected CBIT to establish the Atal Community Innovation Centers (ACICs) for the first time in Telangana with a vision to create a formal approach to identify, build and nurture sustainable communities through INNOVATION.

ACIC-CBIT provides requisite infrastructure and resources for innovators in the unserved/underserved regions.

A large number of grassroots innovators, communities, students, and academicians are engaged in various innovation and entrepreneurship-related activities such as Ideation, Problem-solving, Proof of Concept development, Design Thinking, IPR, etc. to address Sustainable Development Goals (SDGs).

Makers space facility at ACIC-CBIT supports the innovators/start-ups by providing the necessary infrastructure support for building prototypes and MVP.

To build a vibrant startup ecosystem, establish a network between academia, industries, incubation centers, financial institutions, Government, and other stakeholders.

To build the sector-specific Expert Mentor pool from academia and industry.



# 1

## Inno-Talks

A platform created to appreciate and recognize Grassroots Innovators

# 4

## Pre-Incubation/Incubation Program

Nurturing 22 Ideas under Pre-incubation and Incubation programs with mentoring support.

# 2

## Maker space & Sector-Specific Lab

To facilitate product development support to Innovators & Startups.

# 5

## GrassRoots Innovation Programs (GRIP)

Nurturing 20 rural youth on design thinking concepts, helping them build an innovative mindset.

# 3

## Innovator-Maker Connections

5 Product development through the Makers community of ACIC-CBIT. 20 women were exposed to various opportunities through our Naari Unnati Program.



# 6

## Outreach programs

Outreach programs benefited 10,000+ community people

## State of the Art Sector Specific Equipment



3D Printer



Laser Cutter



Power Analyzer



UGV & UAV



THERMAL IMAGING CAMERA



# LIFE @ CBIT

Students are encouraged to join Professional Societies as Members as they provide platforms that enable development of Professional Skills. Students are also facilitated with Opportunities to participate actively in 54 Clubs of the Institute and manifest their Creativity in the Areas of their interest which would nurture Team Spirit, wholesome Personality, Interpersonal Communication and others such.



## Professional Societies and Student Chapters

- ▶ Indian Concrete Institute (ICI)
- ▶ Indian Green Building Council (IGBC)
- ▶ Indian Society for Technical Education (ISTE)
- ▶ Institute of Electrical and Electronics Engineers (IEEE)
- ▶ Indian Institute of Chemical Engineers (IICChE)
- ▶ American Society for Mechanical Engineers (ASME)
- ▶ Institution of Electronics and Telecommunication Engineers (IETE)
- ▶ Society of Automotive Engineers (SAE)
- ▶ Institution of Engineers India (IEI)
- ▶ Institution of Engineering and Technology (IET) Chapter
- ▶ Association for Computing Machinery (ACM) Chapter

## Technical Clubs

- ▶ Robotics & Innovation Club
- ▶ Makers of India
- ▶ Google Developer Student Club
- ▶ Hackiton
- ▶ CBIT Open Source Community (COSC)
- ▶ United Coders Club
- ▶ Bioengineering & Biotechnology Club
- ▶ Digital Transactions Competence
- ▶ Think Club
- ▶ Ramanujan Maths Club
- ▶ Neural Nexus Club



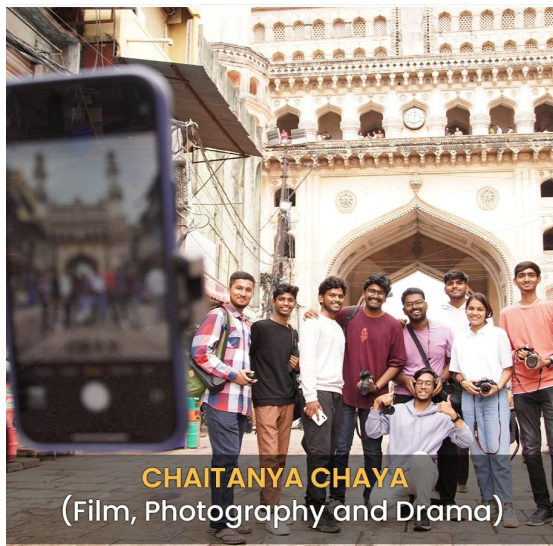
## Co-Curricular & Extra Curricular Clubs



- ▶ Chaitanya Samskruthi (CBCC)
- ▶ Chaitanya Lasya (UDC)
- ▶ Chaitanya Geethi (Singing Club)
- ▶ Chaitanya Vaadhya (Music Instruments)
- ▶ Chaitanya Chaya (Film and Drama)
- ▶ Chaitanya Srujana (Painting & other crafts)
- ▶ Chaitanya Sahithi (Literature Club)
- ▶ Chaitanya Seva (NSS And other Social Services)
- ▶ Chaitanya Reethi (The Life Style)
- ▶ Chaitanya Kreedha (Games, Sports and Yoga)
- ▶ Chaitanya Photography Club & many more...







**CHAITANYA CHAYA**  
(Film, Photography and Drama)



**CHAITANYA LASYA** (Dance Club)



**CHAITANYA SRUJANA**  
(Painting & other crafts)



**CHAITANYA SAHITHI**  
(Literature Club)



**CHAITANYA SEVA**  
NSS & OTHER SOCIAL SERVICES



**LIFE**  
**CHAITANYA REETHI** **STYLE**



# CHAITANYA KREEDA (Games, Sports and Yoga)

- » Highly active in organizing various competitions at various levels
- » Encouraging, Training, Motivating and Facilitating the students to participate in University, State, National and International level events.
- » Active in Contributing for the 'Fit India' movement and in the conduct of 'Yoga day' every year.



## Students of the Institute Participated & Won the Medals in :

- » ISSF Junior World Cup held at Suhl, Germany
- » Weightlifting Championship Organised by Indian Weight lifting Federation
- » Asian Universities Chess Championship held at Philippines.





# FLAGSHIP EVENTS

## SUDHEE

"A Two day National level Annual Student Tech Fest"



Sudhee's canvas brims with competitive spirit, housing an array of formal and informal events (Quizzes, paper presentations, debates, display of models and many more).

In a symphony of innovation and intellect, this annual technical fest unites numerous departments with events like Chemspark, Civilizations, Electret, Headstart, Mechanica, Neo Zion, Synapse, Techeon, Tecstasy and Yukhti.

"A Three day National level Annual Sports and Cultural Fest"

## SHRUTHI



CULTURAL  
ANNUAL  
FEST

SPORTS  
FEST

INSTITUTE  
DAY  
CELEBRATION

WINNERS &  
ACHIEVERS  
AWARDS  
PRESENTATION

Shruthi offers a chance to create cherished memories that last a lifetime, bringing together the entire CBIT Community in joyful celebration.





# RESEARCH DAY

Institute organizes Research day every year to promote research, innovation and incubation culture in the institute among the students and faculty.

The major activities on the research day are :

- Showcasing of products developed and projects carried out by the students
- Papers and poster presentations by the students
- Keynote addresses by Eminent Personalities from reputed Academic institutions, National & multi national companies and Research organizations



# REUNION DAY ANNUAL ALUMNI MEET

The institute organizes Reunion day every year in the month of December.

It is an opportunity for the students of CBIT to interact with the alumni and get the necessary guidance ,inputs and support.



CBIT ALUMNI



.....PARAGON OF PROGRESS



## Major Activities

- Outstanding Alumni Awards Presentation
- Special Achievements Awards Presentation
- Silver Jubilee Celebration of a Batch
- Alumni Interactions





# PROMINENT ALUMNI

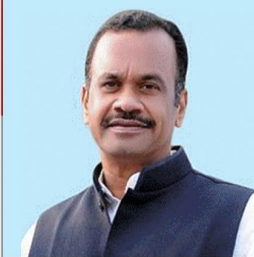
CBIT Alumni aspires to be a primary linkage between the CBIT and its family of Alumni across the globe and offer Services that stimulate campus traditions and eternize a passion for a life-long involvement with CBIT.



**Mr. C Shekar Reddy**  
(1983 batch)  
Chairman,  
CII Telangana.



**Mr. Y Satyanarayana Chowdary**  
(1984 batch)  
M.L.A.  
Andhra Pradesh



**Mr. Komatireddy Venkat Reddy**  
(1986 batch)  
M.L.A & Minister,  
Telangana State.



**Mr. P. Mahender Reddy**  
(1986 batch)  
MD, Rajapushpa  
Properties Pvt. Ltd.



**Mr. Sekhar Kammula**  
(1991 batch)  
Indian film director.



**Mr. Satish Pattapu**  
(1990 batch)  
Assistant Commis-  
sioner Indian  
Customs, Mumbai.



**Mr. Ramesh Datla**  
(1987 batch)  
Chairman,  
Elico Limited.



**Mr. K C Navneeth Kumar** (1991 batch)  
Executive Director of  
Hexagon Capability  
Center India.



**Mr. Ravinder Gupta**  
(1992 Batch)  
M.D, D.E.C Infrastruc-  
ture & Projects  
(India) Pvt. Ltd.



**Mr. Sai Prasad Vishwanathan**  
(2006 batch )  
Deloitte Consulting  
LLP.



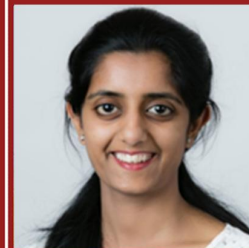
**Mr. Mahesh Sale**  
(2008 batch)  
Co-founder & CEO,  
VM Technologies.



**Mr. Phaneendra kumar Divi**  
(2002 batch)  
MD, Diviseema pay  
pvt. Ltd.



**Mr. Himanshu Vemula**  
(2016 batch)  
Founder & Head,  
Biosephia Organic  
Solutions Private  
Limited.



**Dr. Vidyani Suryadevara**  
(2013 batch)  
Instructor at Stanford  
University.



**Ms. Sireesha Baile**  
(2010 batch)  
Deputy Manager, R&D  
BHEL.

& Many more....



# CIVIL ENGINEERING

*"Civil engineering is the bridge between science and practice"*



## Dr. K. Jagannadha Rao

Professor & Head

Teaching Experience: 31 years

Contact No.: +91-9849075484

Office: +91-8466997202

Email: hod\_civil@cbit.ac.in

**GENESIS :** The Department of Civil Engineering at Chaitanya Bharathi Institute of Technology (CBIT) has a rich history of academic excellence and innovation. Since its inception i.e., 1979, the department has been dedicated to providing high-quality education and research opportunities in the field of Civil Engineering. It has grown significantly over the 45 years, offering undergraduate and postgraduate programs aimed at developing skilled professionals capable of addressing contemporary challenges in Civil Engineering. The department is equipped with state-of-the-art laboratories and facilities, fostering an environment conducive to learning and research. With a strong emphasis on industry collaboration and practical training, the Department of Civil Engineering at CBIT continues to produce graduates who contribute significantly to the field and society.

## PROGRAMS OFFERED

### B.E [Civil Engineering]

Accreditation- 7 times by NBA,

**Intake-120**

### M.E [Civil – Structural Engineering]

(Accredited by NBA), **Intake-18**

## SPONSORED PROJECTS

- ✓ DRDO and Industry projects of worth INR **11.89 Lakhs** (ongoing)
- ✓ AICTE MODROBS grant of worth **12L** received for advanced concrete lab

## PUBLICATIONS

- ✓ **81** research papers are published in reputed publishers like Springer, ASCE, IWA Publishing, and AIP publishing and conference proceedings in last 3 years.

**Patents - Published: 04 & Granted: 02**

## VISION

To strive for excellence in academics, research and consultancy in the field of Civil Engineering and contribute to the sustainable development of the country by producing quality Civil Engineers with professional and ethical values.

## MISSION

- Maintaining high academic standards to develop analytical thinking and independent judgment among the students so that they are fit for industry and higher studies.
- Promoting skills and values among the students to prepare them as responsible global citizens who can solve complex problems.
- Preparing the students as good individuals and team members with professional attitude, ethics, concern for environment and zeal for lifelong learning who can contribute to society.

## STAFF DETAILS

**29**  
TEACHING  
STAFF

**03**

Professors

**01**

Adjunct  
Professor

**03**

Associate  
Professors

**22**

Assistant  
Professors

- ✓ Most of the faculty members obtained **Ph.D. from IITs & NITs , Two of them are Post-Docs from IITs**
- ✓ Experienced faculty  
(**Maximum-35 years, Average-12 years**)
- ✓ **06** Ph.D Scholars Awarded and One Submitted thesis under the guidance of CED Faculty.

**13 NON-TEACHING STAFF** Well qualified and experienced

## MAJOR RECRUITERS



## INTERNATIONAL REPUTED INSTITUTIONS THAT WELCOMED OUR STUDENTS



## PROFESSIONAL SOCIETIES/ CLUBS



## COLLABORATIONS-MAJOR MoUs





## ACHIEVEMENTS

- Actively organize and participate in FDPs, STTPs, Conferences, Seminars, Workshops, and similar events.
- **02** International conferences IC-SAFRI-2021 & ICACE 2022
- AICTE sponsored training program on Crying Needs in BRIDGE Engineering for CAPACITY-BUILDING.
- Study tour of ATAL Tunnel under the AICTE YUVAK Scheme with a grant of **₹ 2 lakhs**.

## NOTABLE ALUMNI

- Mr C Shekar Reddy, Chairman, CII Telangana.
- Mr. Ravinder Gupta, MD, DEC Infra. & Projects Pvt. Ltd.
- Mr. P. Mahender Reddy, MD, Rajapushpa Prop. Pvt. Ltd.
- Lakshmi Manasa, Structural Engineer.
- Uma Venkata Ramana, Consultant Director Technical.

## CONSULTANCY WORKS

- ✓ Testing & execution works related to the existing silos, Telangana Foods, Govt. of Telangana of worth **₹17.47 Lakhs**.
- ✓ Culvert design and Vetting of construction & commissioning on turnkey basis of Suraram LI scheme on Right bank of Kinnerasani river.
- ✓ Design proof checking of Jack wells, Design of retaining wall & Design proof checking of earthen dam for irrigation development projects of Telangana State.
- ✓ Non-destructive Evaluation & testing for fire affected production unit at HPCL, Ghatkesar.
- ✓ Concrete Mix Design for Govt. and Private organisations

## LABORATORY ESTABLISHMENT AND NEW EQUIPMENT

- Advanced Structural Engineering Lab with Loading Frame (500kN) of worth **₹33Lakhs**
- Digital Tri-axial Testing set up of worth **₹13 Lakhs** in Geotechnical Engg. lab



## KNOWLEDGE TRANSFER

- Delivered guest/ keynote lectures in FDPs, Conferences, and workshops.
- Chaired technical sessions in International and National Conferences.

## AWARDS/ ACCOLADES

- Received prestigious awards from the Institution of Engineers (India) Odisha State Centre
- Sir M. Visvesvaraya Award
- Best paper awards in International Conferences
- Received ISH G.M. Nawathe Award

## LABORATORY FACILITIES

Solid Mechanics Lab, Concrete Technology Lab, Surveying & Geomatics Lab, Environmental Engineering Lab, Geotechnical Lab, FM & HM Lab, Concrete Technology Lab, Hexagon Lab, Computational Centre with latest software.

## PROVISION FOR HONOURS AND MINOR DEGREE:

A BE Civil student can do a Minor Engineering in **Computer Science & Engineering (CSE)** or **any other branch**.



## INTERNSHIP OPPORTUNITIES

Industry Internship and In-house Internship

Collaborative projects with BITS Pilani Hyderabad Campus

Internship with stipend

## MAKING THE STUDENTS INDUSTRY READY



Training on TEKLA structures software by AG&E Structural India. Pvt. Ltd.

## INDUSTRIAL VISIT

Students get industry exposure that correlates theory with practice



HMWS&SB, Attapur



TGERL, Himayath Sagar

**60+** Alumni were Selected in **TSPSC** for the role of **Assistant Executive Engineers** in Various Engineering Departments



Sudarsham Abhilash  
Roll No. 1601-17-732-076  
Year of Passing: 2017-2021  
AEE Hallicket: 2120828854  
AEE Department: I & CAD Department



Akhthi Sarika  
Roll No. 1601-16-732-321  
Year of Passing: 2016-2020  
AEE Hallicket: 2120842178  
AEE Department: Transport, Road & Building Department



Jangala Naveen Yadav  
Roll No. 1601-16-732-337  
Year of Passing: 2016-2020  
AEE Hallicket: 2120828393  
AEE Department: Public Health Department



Laxmareddygar  
Roll No. 1601-16-732-001  
Year of Passing: 2016-2020  
AEE Hallicket: 2120840891  
AEE Department: I & CAD Department



Abhilash Bochu  
Roll No. 1601-15-732-314  
Year of Passing: 2015-2019  
AEE Hallicket: 2120811146  
AEE Department: Transport, Road & Building Department



Siricilla Spandana  
Roll No. 1601-15-732-309  
Year of Passing: 2015-2019  
AEE Hallicket: 2120836255  
AEE Department: Panchayat Raj & Rural Development



Daru Sanjay  
Roll No. 1601-15-732-050  
Year of Passing: 2015-2019  
AEE Hallicket: 2120820421  
AEE Department: Transport, Road & Building Department



**B. Venkat Reddy**  
**STATE TOPPER**



**B. Venkat Reddy**  
**STATE TOPPER**



Sriram River View, Narsing





# MECHANICAL ENGINEERING



## Dr. P. Prabhakar Reddy

Professor & Head

Teaching Experience: 27 Years

Contact No.: +91-9885468253

Office No.: +91-8466997220

Email: hod\_mech@cbit.ac.in

*" Mechanical Engineers in shaping the technology that drive our modern world "*

**GENESIS :** Mechanical Engineering combines creativity, knowledge and analytical tools to complete the difficult task of shaping an idea into reality. It is one of the broadest engineering disciplines—offering opportunities to specialize in areas such as Aerospace, Automotive Engineering, HVAC (Heating, Ventilation, and Air-Conditioning), Biomechanics, Robotics and more, and their education mirrors this breadth of subjects. Many innovations crucial to our future will have their roots in the world of mass, motion, forces, and energy—the world of Mechanical Engineers.

## PROGRAMS OFFERED

### B.E [Mechanical Engineering]

Accreditation- 7 times by NBA

**Intake-120**

### M.E [CAD/CAM]

Accreditation- 3 times by NBA

**Intake-18**

## RESEARCH & CONSULTANCY

**Sponsored Projects : 26** worth of ₹285 L from DST, AICTE, UGC, DRDO, BHEL, NSTL, General Motors, Tecumseh Pvt. Ltd., Skylark Smart Meters Pvt. Ltd., etc.

Technical Events Conducted & Attended: **527**

**Publications: 525 & Patents: 37**

**Ph.D Supervisors: 13**

## INDUSTRIAL CONNECTIONS

MSME, Telangana State Council of Science & Technology (TSCOST), DRDL, DMRL, RCI, Hexagon Capabilities, Skylark Smart Meters Pvt.Ltd, 3D Labs India, ACIC-CBIT Research and Entrepreneurship Foundation With Strategy M, KernelSphere Technologies etc.

## VISION

To be the destination for aspiring young minds to become globally competitive, enlightened, innovative, immediate contributors to the industry and successful in higher studies in the field of Mechanical Engineering.

## MISSION

- To impart quality and innovative education in Mechanical Engineering with basic and specialised training, internships to meet the current and emerging needs of the industry.
- To prepare the students for successful professional career by inculcating ethical, entrepreneurial and leadership qualities.
- To foster Research and Development environment by disseminating knowledge and technology by involving the students in publications, sponsored projects and consultancy

## STAFF DETAILS

**45**  
TEACHING  
STAFF

**06**  
Professors

**01**  
Adjunct  
Professor

**05**  
Associate  
Professors

**33**  
Assistant  
Professors

✓ **28 Faculty Members with Ph.D**

✓ Experienced faculty : **15 Years Average Experience**

**22 NON-TEACHING STAFF** Well qualified and experienced

## CAREER/PLACEMENTS

To facilitate a smooth transition for students from academia to the professional world, ultimately enhancing their career prospects and success.

Our students placed in **Hexagon Capabilities, ITC, Hyundai, Technip FMC, TATA, Wipro, Mahindra, Infosys, and Oracle, MindTree, PepsiCo.**

**PLACEMENTS : 2022-23: 132 | 2021-22: 120 | 2020-21: 71**

## SKILL DEVELOPMENT PROGRAMS

- ✓ Finite Element Analysis using Ansys
- ✓ Finite Volume Method (CFD) by Fluent
- ✓ Numerical & Statistical Analysis with MATLAB
- ✓ Industrial Machine & Production Drawing by AUTOCAD, SOLID WORKS, CATIA
- ✓ 3D innovation Lab supported by the Hexagon Capability Centre India with 20 design work stations and software tools PV Elite, Tank and CAESAR-II to prepare the students for industry needs, worth of ₹6.5 Cr.

## THE DEPARTMENT HAS WELL EQUIPPED LABORATORIES WITH RESEARCH FACILITIES

- ✓ 3D Printers, Robotics & Drones, Nano UTM
- ✓ Denford Vertical Machining, CNC Lathe and Mill
- ✓ Image Analyzer, Wear Test Machine
- ✓ NOx Analyzer & Smoke Meter

## PROVISION FOR HONOURS AND MINOR DEGREE:

A BE Mechanical student can do a Minor Engineering in **Computer Science & Engineering (CSE)** or any other branch.





## INTERNATIONAL STUDENT CLUBS- SAE & ASME



- Formula Imperial Season 8.0: Participated, 2022
- FORMULA GREEN CONCEPT: 2nd rank in Business plan 2021
- FORMULA GREEN CONCEPT: Best Female Participant award at 2021,
- FORMULA BHARAT: 22nd Position in overall event electric virtual, 2020
- FSEV: 25th position in overall competition, 2020
- SUPRA SAE INDIA: 57th position, 2019
- **FSAE-UK: participated 2018**
- **FSAE ITALY-2017**
  - ✓ 36th rank in cost presentation
  - ✓ 41st rank in design presentation
  - ✓ 41st rank in Business presentation
- ASME E Fest Asia Pacific: Participated in Human Powered Vehicle Challenge, 2020
- INDIAN KARTING CHAMPIONSHIP-4th Edition organized by NEXUS MOTORSPORT



## RESEARCH FACILITIES



Solar Powered  
Electrical Car



10 KVA Solar Power  
Plant



3D Printer



Image Analyzer

## INDUSTRIAL INTERACTION





# ELECTRONICS & COMMUNICATION ENGINEERING



## Dr. K. Vasanth

Associate Professor & Head  
Teaching Experience: 16 years  
Contact No.: +91-9790760740  
Email: hod\_ece@cbit.ac.in

**GENESIS :** The Department was established in the year 1979 along with the inception of the institution. It offers two UG programs one in ECE and the other in Electronics Engineering (VLSI Design & Technology). It also offers two PG programs, one in Communication Engineering and the other in Embedded Systems & VLSI Design. The department has been continuously striving for excellence in engineering education and research, attracting meritorious students to seek admission. The Department has good infrastructural facilities. In addition, an exclusive Navigation and Communication Research Centre (NCRC) is established with support from SAC- ISRO and G-One Lab. Department also has VLSI Lab supported by CDAC under Meity C2S project. The students are provided with greater exposure in core areas of Electronics & Communication Engineering. The students are encouraged to participate in the technical & research activities other than the undergoing regular curriculum.

## VISION

To emerge as a vibrant model of excellence in education, research and innovation in Electronics and Communication Engineering.

## MISSION

- To impart strong theoretical and practical knowledge of the state of art technologies to meet growing challenge in the industry.
- To carry out the advanced and need based research in consultation with the renowned research and industrial organizations.
- To create entrepreneurship environment including innovation, incubation and encourage patent the work.

## STAFF DETAILS

47  
TEACHING  
STAFF

07  
Professors

01  
Adjunct  
Professor

09  
Associate  
Professors

30  
Assistant  
Professors

- ✓ 80% of the faculty have **Ph.D.** from **Reputed organizations around the globe.**
- ✓ Faculties have expertise in various areas such as **Signal Processing, Communications & Networking, Digital Systems, Embedded Systems and IoT, VLSI and RF & Microwave Engineering.**
- ✓ Faculty has guided **34** Doctorates and **50** are recently pursuing under our faculty.

**18 NON-TEACHING STAFF** Well qualified and experienced

## PROFESSIONAL SOCIETIES/ CLUBS

- ✓ IEEE CBIT Student Branch, IEEE Signal Processing Society, Student Branch Chapter, IETE Student Forum  
IEEE Circuits and Systems Society, Student Branch Chapter, IEEE WIE affinity group, Makers of India Robotics and Innovation Club, HAM Radio Club.

## PROGRAMS OFFERED

**B.E [Electronics and Communication Engineering]** Accredited for 6 times by NBA, **Intake-180**

**B.E [Electronics Engineering (VLSI Design & Technology)]** Intake-60

**M.E [Communication Engineering]** Accredited for 3 times by NBA, **Intake-12**

**M.E [Embedded Systems and VLSI Design]** Accredited by NBA, **Intake-18**

## COMPANIES VISITED FOR PLACEMENT/PROMINENT MOUS

							<b>HIGHEST PACKAGE 31.5 LPA</b>	
							<b>90% AVERAGE PLACEMENTS OVER LAST 3 YEARS</b>	





## PROMINENT MOUS

- Bits Pilani, M/s Bitsilica Pvt. Ltd.
- ACD Communications Pvt. Ltd.
- College Bag Pvt. Ltd.
- Regional Telecom Training Centre, BSNL
- National Instruments, Bangalore
- Advanced Micro Devices Inc, JNTU Kakinada
- Space Applications Centre (SAC), ISRO, Ahmedabad
- Constelli Signals Pvt. Ltd., Hyderabad

## SPONSORED PROJECTS/CONSULTANCY

- The Department has successfully executed **6** sponsored projects and 6 consultancy projects to the tune of above **₹1.23 crores** from sponsoring agencies such as AICTE, ISRO, DRDO, DST etc.
- Projects with **₹350.55 L** from government & non-government agencies are currently carried out.

**Patents: Granted: 08, Published: 20**

## INFRASTRUCTURE HIGHLIGHTS

- The Department has excellent infrastructure of 11 class rooms and 14 laboratories with high-end equipment and the latest software with LAN connections, 1 big seminar hall, one E-class room, and a department library apart from the central library, and waiting rooms for girl students. In addition, an exclusive Navigation and Communication Research Centre (NCRC) is established. The department provides access to high end softwares: MatLab, LabView, Cadence Tools, Mentor Graphics, Xilinx, Windriver's Vx-Works, Multisim, IE3D, Work view Office and NS tools etc. Two (IRNSS-SPS-GPS and IRNSS-GPS-SBAS) receivers sponsored by SAC-ISRO under MoU are installed for field trials and data collection and three IRNSS-GPS-SBAS receivers sponsored by SAC-ISRO under NAVIC-GAGAN utilization program are also available along with RF Field Fox analyzer to conduct research.

## STUDENTS ACHIEVEMENTS

- ✓ Sreshta Vejju and team of ECE Students clinched first position at the recent Technical Project Expo competition 'Inventex' held at Osmania University. Their project was recognized for its innovative approach to long-range Satellite Communication technology.
- ✓ Student of ECE Rahul Tej Mora (Team Name: omega outliers) received first Prize of 25000/- in Mathedemia 24 on 17/05/2024.
- ✓ Bhavyasri and team received Triumph in "Fempreneur -2024" which was organized by Cowe, Telangana held on 27th March 2024 and achieved 2nd position for pitching their idea of "Compact paddy dryers".
- ✓ Shruthi Laya and team Dhaanyagunah received the championship of LevUp ideathon, a challenging 3 level competition. Their groundbreaking idea earned them the top spot and a 1 lakh prize pool.



**B.E III Year Devineni Manogna offered internship by Google IT-Services India Private Ltd for AY 2023-24 and offered the stipend of ₹1.25L per month.**



## INTERNSHIPS

Students are doing internships in the following reputed Companies/organizations.

BHEL, BEL, Defense Labs, AAI, ECIL, BDL, NI, BSNL, and various companies such as Synopsys, Silicon Labs, MOSCHIP, Oracle and LTIMindtree.

## ALUMNI ACHIEVEMENTS



**Ms. Akhila, Alumni of 2021 batch is selected in Telangana Police Department.**



**Jeevan Reddy, Alumni of 2019 batch is appreciated by Honorable Chief Minister & IT Minister of TS Government for his achievements as a young entrepreneur.**



**R.V. Hara Prasad, Outstanding Scientist DLRL, DRDO, Hyderabad.**



**Sri Komma Siva Prakash Reddy, Senior Member Technical Staff, Oracle India Pvt. Ltd. Bangalore.**



**Sri Satish Pattapu, IRS, Assistant Commissioner, Indian Customs, Mumbai.**



**Sri. Allipuram Rajasekhar Reddy, Managing Director Brio Factors Technologies India Pvt. Ltd. Hyderabad, Entrepreneur.**

## NOTABLE ALUMNI





# COMPUTER SCIENCE AND ENGINEERING



**Dr. S. China Ramu**

Professor & Head

Teaching Experience: 27 years

Office: +91-8466997208

Email: hod\_cse@cbit.ac.in

## VISION

To be in the frontiers of Computer Science and Engineering with academic excellence and Research.

## MISSION

- Educate students with the best practices of Computer Science by integrating the latest research into the curriculum.
- Develop professionals with sound knowledge in theory and practice of Computer Science and Engineering.
- Facilitate the development of academia-industry collaboration and societal outreach programs.
- Prepare students for full and ethical participation in a diverse society and encourage lifelong learning.

## GENESIS:

The Department of CSE was established in 1985 with the BE Program in CSE. In these four decades, the department has expanded to offer five UG (B.E) programs in Computer Science and Engineering and its emerging areas. The PG (M. Tech) program in Computer Science and Engineering was started in the year 2002.

The intellectual ambiance in the CSE Department is conducive to the holistic development of the students, supported by well-equipped labs.

The BE-CSE program was first accredited by the NBA (AICTE) in 1998 with an 'A' grade for 3 years. Subsequently, the BE-CSE program received further accreditation in 2004, 2008, 2013, 2017 and 2024 consequently.

The Department has a recognized research centre under Osmania University, Hyderabad. Both Faculty and students have several patents to their credit. The Department of CSE has established centers of excellence in IoT, AIML, Cyber Security, and AAIHC.

## STAFF DETAILS:

**38**  
**TEACHING**  
**STAFF**

**05**

**Professors**

**02**

**Adjunct**  
**Professors**

**08**

**Associate**  
**Professors**

**23**

**Assistant**  
**Professors**

Out of 38 faculty, **4 Professors** have guideship to guide **PhD students**  
**16** faculty have **Ph.D. degree**, and **17** faculty are **pursuing Ph.D.**

**11** **NON-TEACHING STAFF** Well qualified and experienced

## PROGRAMS OFFERED

### B.E- CSE

Accreditation- 5 times by NBA

**Intake - 360**

### M.Tech - CSE

**Intake - 24**



## INTERNSHIP OPPORTUNITIES:

Industry Internship and In-house Internship.

Internship with stipend.

Making the student's industry ready: **Conducted Boot Camp.**



## HIGHEST PLACEMENTS:

Many students got placements in top software MNCs such as Amazon, Salesforce, Microsoft, etc., on an average of **12.92 Lakhs** per annum with the **Highest Package of Rs. 59.91 L per annum.**

  
**₹ 59.91 LPA**  
Placed in  
  
**Meghana Sreeya Veeramallu**  
CSE - 2024 batch  
Roll No.: 160120733073

  
**Asritha D**  
CSE Software Engineer

  
**Vaasuki Achampeta**  
CSE Software Engineer  
Placed @ 

  
**Sai Sahithi Kosaraju**  
CSE Software Engineer  
With CTC **44.5 LPA**

  
**₹ 54 LPA**  
  
**Soumya Vemuri**  
CSE - 2022 batch





## Collaborations – MoUs:

C-DAC,TSPA – Induction Training – Cyber Security, AICTE-LITE, DSCI (Centre of Excellence), Telangana State Council of Science & Technology(TSCOST), Curtin University – Western Australia, Auburn University, Innovit, BSNL, Massmutual, L4G, Coursera, AWS Amazon, Zoom Technologies Pvt. Ltd., Kernel Sphere Technologies, Robotic Process Automation(RPA), Innopark Ventures, Cognizant, Infosys, Panace.ai, Carawel.ai, Digilntrude.

## SPONSORED RESEARCH PROJECTS:

Seven Ongoing Sponsored Research Projects from many Funding Agencies such as ASL DRDO, DST, AICTE, UGC and TEQIP-II of an overall total amount of **Rs. 93, 35,228.**

## ACHIEVEMENTS/ RECOGNITIONS:

- Recognized as a TIER-1 institute from Google-Cloud.
- Department has received **Rs. 57 Lakhs** grant from DST FIST to establishment of AR/VR , Industrial Automation and Robotics Labs.
- The Department has dedicated studio room for ICT and Blended learning.
- Our faculty selected for the **AICTE-UKIERI** Leadership Development and **AICTE – LITE** Program.
- Faculty are serving as reviewers and editorial board members of various peer-reviewed journals.
- One of our faculty selected as an author for **AICTE Model Curriculum**.
- The department arranged and took part in Faculty Development Programs (FDPs), Short Term Training Programs (STTPs), conferences, seminars, workshops, and analogous events.
- Faculty are members of the selection committee and BoS of other Institutes.
- Delivered Guest/ keynote lectures in FDPs, conferences and workshops.
- Chaired technical sessions in international and national conferences.

## INFRASTRUCTURE HIGHLIGHTS:

- **Rs. 57 Lakhs** grant received establishment of AR / VR, Industrial Automation and Robotics Lab from Department of Science & Technology.
- ACIC Centre of Excellence.
- Centre of Excellences (IoT, AIML, Cyber Security).
- Project Lab and Research space in R&E Hub.
- Wi-Fi enabled.

## INDUSTRIAL VISIT:

CSE Students visit to T-Hub for Digital Citizen Summit 2023.



## NOTABLE ALUMNI:

Mr. Karedla Anantha Sashi Sekhar- JP Morgan Chase & Co, Sri Vihar Kurama-Caravel AI-co founder, Mr. Phanidra Babu – Diviseema pay Pvt. Ltd-founder, Mr. J. Prakash- Software Engineering, Ms. Rokala Krishnaveni, Software Engineering- Winner team of Smart India Hackathon(SIH), Ms. V. Sowmiya- Microsoft(**Rs. 54L**), Ms. G. Nishitha, Ms. K. Joshna, Ms. K. Chandanna – Amazon(**Rs. 45.5L**)



**RICHA KULKARNI – IAS**

**N. SANTOSH KUMAR REDDY  
IAS**



## CONSULTANCY FROM INDUSTRY:

- Six Consultancy Projects from Funding Agencies such as TSPA, TCSiON, Vroomster Technologies Pvt. Ltd., CDAC-Future Prime, TalentioAcademy LLP, AICTE of an overall amount of **Rs. 57, 11,951.**
- Consultancy Collaboration with Vrooms technologies with **Rs. 8,00,000/-.**



## Patents:

**Published- 6 and Granted- 4**

## LABORATORY FACILITIES:

Department of CSE has well established Labs with High End Configuration machines.



## PROFESSIONAL SOCIETIES/ CLUBS/ BODIES:

Google Developer Student Clubs, Hackathon Club  
IEEE, IETE, CSI, COSC, CISC, GCC, Hackiton





# ELECTRICAL AND ELECTRONICS ENGINEERING



## Dr. M. Balasubba Reddy

Professor & Head

Teaching Experience: 22 Years

Contact No.: +91-9885308964,

Office: +91-8466997207

Email: hod\_eee@cbit.ac.in

**GENESIS :** The Department of Electrical and Electronics Engineering at Chaitanya Bharathi Institute of Technology (CBIT) has a legacy of academic distinction and advancement. Since its inception i.e., 1994, the department has been dedicated to provide the Excellent Education and Research Opportunities in the field of Electrical Engineering. It has grown significantly over the 30 years, offering undergraduate (BE) program and post graduate (ME) program aimed at developing skilled professionals capable of addressing contemporary issues in EEE arena in general, Renewables, EV, Power Electronics in particular. The department is equipped with state-of-the-art laboratories and facilities, fostering a conducive environment to learning and research. With a strong emphasis on industry collaboration and practical training, the department of Electrical Engineering at CBIT continues to produce graduates who contribute significantly to the field and society.

## PROGRAMS OFFERED

### B.E [Electrical and Electronics Engineering]

Accredited by NBA for 6 years, Intake-120

### M.E [Power Systems and Power Electronics]

Accredited by NBA for 3 years, Intake-12

## CONSULTANCY PROJECTS/WORKS

Enhancement of the performance of different renewable energy sources using modern techniques, Kingdom of Saudi Arabia, Ministry of Education, Najran University, ₹21,00,000/- (completed)

## PUBLICATIONS

300+ publications in reputed conferences/journals which include SCI, SCOPUS indexed, WoS indexed in the last five years.

Patents - Granted: 11, Published : 07  
& Copyrights Granted: 02

## VISION

To achieve Academic and Professional Excellence in Teaching and Research in the frontier areas of Electrical and Electronics Engineering  
Vis-a -Vis serve as a Valuable Resource for Industry and Society.

## MISSION

Empowering the Faculty and Student Rendezvous to Nurture Interest for Conceptual Keystone, Applied Multidisciplinary Research, Inspiring Leadership, and Efficacious Entrepreneurship culture, Impeccable Innovation in frontier areas to be synergetic with Environmental, Societal and Technological Developments of the National and International community for Universal Intimacy.

## STAFF DETAILS

28  
TEACHING  
STAFF

05  
Professors

01  
Adjunct  
Professor

05  
Associate  
Professors

17  
Assistant  
Professors

✓ Experienced faculty  
(Maximum-35 years, Average-12 years)

12 NON-TEACHING STAFF Well qualified and experienced

## MAJOR RECRUITERS



## DREAM PLACEMENTS

				<b>EEE STUDENTS WITH BEST PACKAGES</b>
P. SANDEEP KUMAR PLACED IN ORACLE	VINUKULA SUSHMA PLACED IN ORACLE	MOHAN PRAVEEN PLACED IN AMD	P. SAI VARSHINI PLACED IN PEPISICO	
18.26 LPA	18.26 LPA	14 LPA	10.77 LPA	

## INTERNATIONAL REPUTED INSTITUTIONS THAT WELCOMED OUR STUDENTS



## PROFESSIONAL SOCIETIES/ CLUBS

- ✓ Energy Savers Club-(Chaitanya Oorja)
- ✓ EEE-IEEE-Student Chapter
- ✓ Universal Human Values (UHV) Club-(Chaitanya Sattva)
- ✓ Engineers without Borders (EWB)

## COLLABORATIONS-MAJOR MoU's

BITS Pilani-Hyderabad, SkillDzire-Hyderabad, S A Enterprises-Hyderabad, Imperial Society of Innovative Engineers (ISIE)-NOIDA, 7S Technologies-Secunderabad, Interleaved Multidisciplinary Research Centre(IMRC), Hyderabad Institute of Electrical Engineers, CBIT-CARES-Centre for Solar Photovoltaic System Research, SAPIENT SYSTEMS-Hyderabad, Eesavyasa Technologies Private Limited-Hyderabad.





## SPONSORED PROJECTS

- Design and Development of IoT-based Cooperative Isolated Renewable Energy Systems (IRES) using Multi-objective optimization for Enhancing Reliability of Power in Rural India, SPARC-MHRD, worth ₹47,94,775 (ongoing)
- IoT-based Smart Power Quality Analyzer, International Collaborative Research Fund – University Malaysia Perlis and CBIT, worth ₹6,84,890 (ongoing)
- An Efficient Low Cost Flexible Quality Conditioner to Mitigate Power Quality Issues, AICTE-RPS, worth ₹11,00,000 (completed)
- AICTE MODROBS grant worth ₹17,36,000 received for Special Electrical Machines lab (completed)

## CENTRE OF EXCELLENCE

Centre of Excellence in Renewable Energy was established under the SPARC project in collaboration with Florida State University, USA.

## INTERNSHIP OPPORTUNITIES

- Industry Internship and In-house Internship
- Collaborative projects with BITS Pilani-Hyderabad Campus
- Internship with stipend

## VALUE ADDED COURSES AND SKILL DEVELOPMENT CERTIFICATION COURSES

- **Value Added Courses on**  
Electric Vehicle Technology | Raspberry Pi and its Interfacing | Super conducting Power Systems | Simulation tools | Youth Empowerment & Skills
- **Upskilling Certification Courses from**  
CISCO | Infosys | Mathworks | TCS | Oracle | Micro-soft | Google



Lecture series on Superconducting Power Systems by Dr. Sastry Pamidi, Professor and Chair, FAMU-FSU College of Engineering, USA

## MAKING THE STUDENTS INDUSTRY READY

- Licensed software's available with the department: MATLAB, PSCAD, PSIM, ALTAIR-FLUX
- Guest lectures: Teaching by industry personal and guest faculty from IITs, NITs and reputed foreign universities



Students Industrial Visits at Cables Pvt. Ltd.



Guest Lecture by Dr. Huai Wang, Professor, Dept. of Energy, Aalborg University, Denmark

## PROVISION FOR HONOURS AND ADDITIONAL MINOR ENGINEERING DEGREE

- ✓ Honours degree to EEE students
- ✓ Additional Minor Engineering degree to the students of other departments in Electrical Engineering



## NOTABLE ALUMNI

- **Mr. V.Sai Prasad Viswanathan**, Technical Consultant, Deloitte
- **Md. Abdul Shahid**, working as Assistant Magistrate and Assistant Collector, Bankura (dt.), West Bengal.
- **G Jaswanth**, CMO-LEVYUG
- **G. Hrushikesh**, working as Dy. CEE/RE/SC (Indian Railways).
- **Venkatesh Dade**, Manager (R&D), Medha Servo Drives Pvt.Ltd

It is a great opportunity to join in the Department of Electrical and Electronics Engineering because.

- ✓ Diverse Career prospects
- ✓ Foundational Knowledge
- ✓ Innovation and Incubation facility
- ✓ Interdisciplinary Applications
- ✓ R & D Opportunities
- ✓ Additional minor degree in Computer Science Engineering





# INFORMATION TECHNOLOGY



## Dr. M. Venu Gopalachari

Professor & Head

Teaching Experience: 17 years

Contact No.: +91-99661 99834,

Email: hod\_it@cbit.ac.in

*Shaping the future of  
Information Technology with  
Vision, Passion & Expertise.*

**GENESIS :** Established in 2001, the Department of Information Technology is accredited by NBA 4 times. Information Technology is the most flourishing and extremely pervasive Discipline that is witnessing an unprecedented Innovation in Technologies for Communication, Computation, and Interactivity. Department is committed to excellence in Teaching, Research and provides the right ecosystem for nurturing the budding engineers.

The students are imparted with emerging industry oriented skills required for getting placement in top MNC's and for further excel in their professional careers. Department inculcates a sense of pride and confidence in students, to face the challenges of the ever-changing Technological Innovations.

The Department has state-of-the-art Laboratories and provides ICT enabled interactive learning facilities for students to engage in lifelong learning and research. The major goal of the department is not just to impart Industry oriented skills, but also prepare students with conduct towards Human values, ethics and inspiration for future generations. Faculty as a motivated team is dedicated to take the Department of Information Technology to further heights of success and glory.

## PROGRAMS OFFERED

**B.E [Information Technology]**

Accreditation- 4 times by NBA,

**Intake-180**

**M.TECH [IT – AI & Robotics]**

**Intake-18**

## VISION

To be a center of excellence in the field of information technology that yields pioneers and research experts who can contribute for the socio-economic development of the nation.

## MISSION

- ▶ To impart state-of-the-art value based education in the field of Information Technology.
- ▶ To collaborate with industries and research organizations and excel in the emerging areas of research.
- ▶ To imbibe social responsibility in students.
- ▶ To motivate students to be trend setters and technopreneurs

## STAFF DETAILS

**36**  
TEACHING  
STAFF

**03**  
Professors

**01**  
Adjunct  
Professor

**06**  
Associate  
Professors

**26**  
Assistant  
Professors

- ✓ 18 faculty members with Ph.D and 13 faculty members pursuing Ph.D
- ✓ Experienced faculty  
(Maximum-37 years, Average-15 years)

**06 NON-TEACHING STAFF** Well qualified and experienced



## PLACEMENTS HIGHLIGHTS

S.No	Academic Year	No. of Placements Placed	Placement %	Average Package (Lakhs)	Highest Package (Lakhs)
1	2022-23	160	82.17	11.90	45.6
2	2021-22	108	99.19	11.08	45.5
3	2020-21	106	93.75	8.20	33

## INTERSHIPS

**Highest Package :** ₹1,25,000 PM | **Average Package:** ₹33,000 PM

## INTERNATIONAL REPUTED INSTITUTIONS THAT WELCOMED OUR STUDENTS



## PROFESSIONAL SOCIETIES/ CLUBS





## COLLABORATIONS-MoUS

- **MongoDB** for academia for Faculty and Students training.
- **EPAM Centre of excellence** for student training.
- **ExcelR** for student and faculty training.
- **CoincentAI** for consultancy and Internships.
- **Mixica Technologies** for consultancy and training.

## PUBLICATIONS

- **219 Scopus** indexed research publications in reputed journals published by IEEE, Springer, Degruyter and Conference proceedings in the last 3 years.
- **8 text books** published by Springer, De-Gruyter, CRC, IGI Global, AAP edited by department faculty in the last 3 years.

Patents Published: **14** and Granted: **02**

## CONSULTANCY WORKS

- ExcelR gave consultancy work to provide Hands on Technical Training to Students on IoT, Robotics and Cyber Security of worth INR **₹1,41,600/-**
- Movidu Technology Pvt. Ltd. offered consultancy of **₹2L** for developing Risk prediction model for logistics vertical using data analytics and machine learning.
- Codesprint offered **₹40,000/-** consultancy for university student mentoring.

## SPONSORED PROJECTS

- SERB CRG project titled A New Model for Short Term Forecasting of Scintillations using Machine Learning Approach and Generation of Regional Scintillation Maps of worth **₹39,41,579/-** has been funded during 2022 with Dr D.L.S Reddy as the Investigator.(ongoing)
- DST-TIDE project titled Design and Development of an Elderly People Health Care System using Generative Adversarial Network Model and Wireless Sensor Network of worth **₹43 lakhs** is accepted for presentation, submitted by Prof. Rajanikanth Aluvalu as Principal Investigator.



## STUDENT ACHIEVEMENTS

- Mr.Chegu Gnana Manikanta Arun Siva Teja won a 24 hrs Hackathon organized by RVR & JC ,Guntur and secured a cash prize of **₹25,000**.
- Ms.Juweriah Abdul Raheem Mohammed, won Smart Hacks 48 hour National hackathon organized by Anurag University, Hyderabad, secured cash prize of **₹10,000**.
- Mr.Sakinala Sathvik, won Invesco Hack2Hire 2023, secured a cash prize of **₹50,000**.
- Mr.Rehan Ali Farooqui, won Hack Revolution organized by Muffakhm Jah college Hyderabad, secured cash prize of **₹40,000**.
- Mr.Chegu Gnana Manikanta Arun Siva Teja won Hacktoberfest Hackathon organized by CBIT, secured a cash prize of **₹15,000**.
- Mr.Rahul Pavan won Pepsico Hackathon organized by PepsiCo Global Business Pvt. LLP, received **₹45000/-** worth gifts.

## LABORATORY FACILITIES

- Department has 6 dedicated labs with high end computers and power backup facility.
- Each laboratory is supported with laboratory incharge and a programmer.
- laboratories are equipped with required softwares for conducting labs for emerging technologies like AI, ML, DL, Blockchain and Cloud Technologies.
- Department has a dedicated IoT laboratory.
- Department has a dedicated Research laboratory.



## PROVISION FOR HONOURS AND MINOR DEGREE

- Department offers Honors degree for B.E-IT students.
- Department offers additional Minor Engineering degree to the Students of other department in Artificial intelligence | Data Science | Information Security | Augmented reality (AR) and Virtual Reality (VR)

## Why Information Technology @ CBIT?

- Outstanding infrastructure with seamless wifi connectivity
- State of the art laboratories for academics and research
- Industry oriented curriculum
- Mandatory industry internships
- Entrepreneurship, innovation and startup ecosystem
- Project oriented learning
- Excellent placement
- Experienced and doctorate faculty members

## NOTABLE ALUMNI



**T.L.Narasimha**  
Batch: 2011,  
Inspector of GST  
& Customs,  
CBJC,  
Ministry of Finance,  
Govt. of India



**Bindu Sharma**  
Batch: 2005,  
Project Manager,  
Deloitte,Katy,  
Texas, USA



**Mahesh Sale**  
Batch: 2007,  
CEO,  
VM Technologies.



**Sriranjana Rasakatla**  
Batch:2008,  
Robotics  
Research Engineer,  
Robotics Research,  
ROVIAL Space, France.



**Manasa Inampudi**  
Batch: 2010,  
Senior Solutions  
Consultant,  
Google.





# CHEMICAL ENGINEERING



## Dr. M. Mukunda Vani

Professor & Head

Teaching Experience: 21 years

Contact No.: +91-9866002491,

Office: +91-8466997206

Email: hod\_chem@cbit.ac.in

**GENESIS :** The department of Chemical Engineering, CBIT, Hyderabad was established in the year 1995. It offers an undergraduate (UG) programme B.Tech. in Chemical Engineering, with an intake of 60 students and has gained recognition and prominence as the most sought option for admission into Chemical engineering. The department is part of the institute support for continuing education programs, including workshops, online certificate courses, and student internship programs. The department has highly energetic and enthusiastic faculty with rich academic and research pursuit complemented by excellent infrastructure, latest ICT tools and fully equipped state-of-the-art laboratories. The department regularly updates its curriculum as per AICTE norms and has incorporated process automation and immersive technology advancements, ensures students proficiency with the latest skills, software tools and sophisticated instrumentation. This comprehensive education prepares students for promising careers in chemical engineering who can bring high-level value addition to the chemical industry and the society at large.

## PROGRAMS OFFERED

### B.Tech [Chemical Engineering]

Accreditation- 4 times by NBA,

Intake-60

## PROFESSIONAL SOCIETIES/ CLUBS

- ✓ All Faculty and students are members of Indian Institute of Chemical Engineers(IIChe) and the department has a professional student chapter under IIChe-Hyderabad regional Centre.

## PUBLICATIONS

- ✓ Faculty and students have published more than **130** papers in SCI/ Scopus indexed Journals, National/ International conferences in last 3 years.

Patents - Published: **09** & Granted: **05**

## VISION

To become the most sought center of excellence engaged in training and shaping students as professionals for higher education and process industries both in India and abroad and allow the students to do R & D projects and publish same in the reputed journals.

## MISSION

Imparting contemporary technical education and training manpower to create a skilled human resource talent pool to serve, manage the process industries globally with a sense of responsibility towards society and the environment.

## STAFF DETAILS

**11**  
TEACHING  
STAFF

**01**  
Professor

**03**  
Associate  
Professors

**07**  
Assistant  
Professors

- ✓ Most of the faculty members obtained **Ph.D. from IITs & NITs, BITS and Universities.**
- ✓ All faculty are actively involved in research and received many awards and distinctions and acted as resource persons in various events.

## 03 NON-TEACHING STAFF Well qualified and experienced

## TOP RECRUITERS & REPUTED INSTITUTIONS THAT WELCOMED OUR STUDENTS



## A GLIMPSE OF STUDENT PLACEMENTS

Yashraj Delhiwala 10 LPA Invesco	K Sai Mani Yogesh 10 LPA Invesco	M Priyanka 9.5 LPA JSWPOD	K Akshara 9 LPA Intellipaat	M Pravallika 9 LPA Intellipaat	Ch. Srija 9 LPA Intellipaat	M Vinoothna 9 LPA Intellipaat	S Anshul Krishna 9 LPA Intellipaat
S Abhitha 7.6 LPA Deloitte	Sadiah Hussaini 7.6 LPA Deloitte	Bhavesh Agarwal 7 LPA Aveva	G Chirag Jain 7 LPA Aveva	Laalasa K Asian Paints 10.5 LPA	Amay V Reliance Industries Limited 7.5 LPA	Rupesh G Reliance Industries Limited 7.5 LPA	Alekhya P Reliance Industries Limited 7.5 LPA

## INTERNSHIPS WITH STIPEND

- ✓ The students learn through internships, ideathons and collaborative live projects with multinational companies. 15 students got paid internships of Rs 15000/- per month at Srin Pharma Ltd and 2 students at Cohance Life Sciences for the Academic year 2023-24





## PROMINENT MoUs AND COLLABORATIONS

The department has signed MoUs with reputed industries for collaborative academic and research activities, curriculum-based internships, training and project work, like Prathista Industries, Tripura Biotech, Vaishnavi Biotech International Limited and MSN Laboratories Private Ltd.

The department is currently involved in a two-year certificate course for the executive employees of MSN Laboratories Private Ltd, Hyderabad.

The department also has collaborations with institutions like IIT Hyderabad, BITS Hyderabad, NFC, CSIR-IIT, CSIR-NEERI, and industries like Sun Pharma, Aurobindo Pharma, Apitoria, Dr Reddy's Labs that enhance faculty and students professional growth through publications, conference papers, awards and consultancy research projects

## PROVISION FOR HONOURS AND MINOR DEGREE

A B.Tech Chemical student can receive Honors degree in Chemical Engineering or can receive an Additional Minor Engineering degree in Computer Science and Engineering (CSE) or any other branch of Engineering.

## NOTABLE ALUMNI

- Our graduates, dispersed across the globe in pursuit of excellence, deserve commendation for their contributions to society and the upholding of CBIT and the Chemical Engineering Department's standards.
- Alumni of the department hold leadership positions across various sectors. They have played a pivotal role, offering scholarships, sharing knowledge through lectures and workshops, mentoring, participating in curriculum design as members in Board of Studies.
- The support and vision of our alumni are defining features of our esteemed institution, driving us toward greatness like enhanced skills to environmental impact and contributions to scientific knowledge, innovative ideas and educational quality.



Dr. Disha Ahuja  
(Batch: 2002)  
Founder, Prakriti  
Biosystems  
Engineering, Hyd



Prof. Ramesh Babu  
Adusumalli  
(Batch: 2000), Professor,  
BITS Pilani-Hyderabad  
Campus



Mr. Kartikeya  
Baldwa  
(Batch: 2006)  
Founder & CEO,  
KSM-66



Dr. SIVA RAMYA  
SANAM  
(Batch: 2008)  
Pr. Scientist, CSIR-  
NEERI, Hyd



Mr. ANIL POTLURI  
(Batch: 2011)  
Managing Director of  
Green Waves  
Environmental  
Solutions, Hyderabad



Mr. A Jagadishwar  
Kumar  
(Batch 2002), CEO &  
Managing Director,  
Punya Herbals  
Private Limited



Mr. Himanshu  
Vemula  
(Batch 2016)  
Business Manager -  
Biosephia  
Hyderabad



Mr. Phani Raj  
Kiran  
(Batch: 2016)  
Managing director  
for Tripura Bio  
Tech Limited



Ms. Sindhuja Tallu  
(Batch: 2018)  
Founder of  
Biosephia  
Engineering Services



Dr. A. Srinivas  
(Batch: 2000)  
Associate Professor,  
BITS Pilani

## DEPARTMENT ACTIVITIES

The department regularly organizes industrial visits, workshops, invited guest lectures, conferences and seminars to equip the students with practical exposure and latest trends of the field.

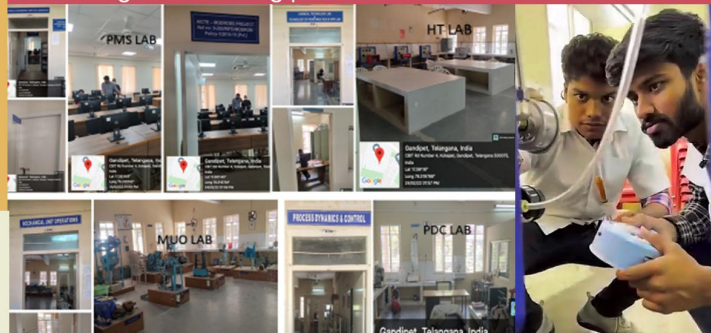


## SPONSORED PROJECTS/ CONSULTANCY

- Consultancy project for scale up studies on reactive distillation from Sun Pharma worth of ₹17,19,024/-.
- Consultancy project of worth ₹12,00,000/-, sanctioned from MSN Labs recently and one more of worth ₹15,00,000/- in progress with an objective to train their executive employees.
- Institute funded major and minor projects for faculty along with students are in progress to strengthen research and students advanced learning in thrust areas. Currently 22 projects worth ₹15,06,056/- are going on which are funded by IICHe, ACIC-CBIT and CBIT.

## LABORATORY FACILITIES

The Chemical Engineering department has adequate infrastructure and physical facilities for teaching and learning process.



## STUDENT ACHIEVEMENTS

- The students of Chemical Engineering have excelled academically, achieved remarkable success in academics and research, shown exceptional leadership skills and bagged diverse co-curricular and extracurricular achievements.
- Students actively participated in national/ international conferences, earning numerous Best Paper and Poster awards. Students under the guidance of faculty, have published papers in SCI/ Scopus-indexed journals, Book- Chapters and filed patents.
- The students participated in many prestigious national competitions across India such as NMTEA-2024 (BITS Hyderabad), SREE-2024 (NIT Jalandhar), Annamalai University, MIT Pune, ChemEEE-2024 (IITPE Vizag), INCEE-2023 (NIT Warangal), Schemcon-2023 (Kongu Engineering College), Chemcon-2023 (IICHe-Kolkata), BVRIT, Technosmania-2024 (Osmania University), MGIT etc. and bagged multiple prizes in various categories.
- Mr. Udesb received Community Innovation NITI Aayog Fellowship of ₹2,00,000/-, ACIC-CBIT -2024-25.
- Mr. Yashraj, Mr. Yogesh won Invesco Hackathon ₹50,000/-, 2023.
- Mr. Amay Vanneldas, Mr. S. Kalyan Sai won "Best Outgoing student" and "Best Outstanding student" awards from Knowledge Research Academy - 2023-24.
- Mr. Udesb, Mr. Omesh won **Best presentation** in SREE-2024, NIT Jalandhar.
- Mr. Chandrakanth, Mr. Nithesh won **1st prize in oral presentation** - MIT Pune - 2024.
- Ms. Ramya Ravali, Ms. Varsha Yalala won **1st prize in poster presentation**; Ms. Sathwika, Ms. Shruthi received **1st prize in Debate competition** @Technosmania -2024.
- Mr. Anvith, Mr. Varaprasad won "**Best Poster Award**" @Schemcon-2023, and @ NMTEA-2024 BITS Hyderabad and @Technosmania -2024.
- Ms. Sathwika, Mr. Abhilash received **1st prize in Idea presentation** @Technosmania -2024.
- Mr. Dhruv, Mr. Eswar Aditya, Mr. Gaurav, Ms. Sravya, published three paper in Scopus indexed journals.
- Ms. Jyothi and Ms. Sravya; Mr. Anvith; Mr. Aman Dubey won "Best Poster Awards" NMTEA-2024 BITS Hyderabad.
- Ms. Vaishnavi won **1st prize** in ACE-EPI Idea Exploration 3.0 - 2024
- Ms. Shruthi Boddupalli represented CBIT as student SPOC for INSPIRE Hyd 2024, organized by KIYE.
- Ms. Nishitha Reddy honoured for success as "President Chiatanya Samskriti" - 2023-24.
- Mr. Vishnu Revanth Reddy, "President of Chiatanya Kreedha" - 2023-24
- Mr. Dhruv, won **1st place at Swarakruthi 2024** - BVRIT, Infinity - 2024 - Woxsen University.





# BIOTECHNOLOGY



## Dr. Ashoutosh Panday

Professor & Head

Teaching Experience: 22 years

Contact No.: +91-8979033584

Email: hod\_biotech@cbit.ac.in

**GENESIS :** The Department of Biotechnology has been established in 2005 with cutting-edge infrastructure and world-class faculty

## PROGRAMS OFFERED

**B.Tech.**

**[Biotechnology] : Intake - 120**

(Accreditation- 2 times by NBA)

Both MPC and BiPC stream students are eligible to apply

## PROFESSIONAL SOCIETIES/ CLUBS

- ▶ Lifetime member of FABAA Academy Federation of Asian Biotech Associations.
- ▶ Biotechnology and Bioengineering Club of CBIT (BBCC).

## MoU's & COLLABORATIONS

- ▶ Indian Institute of Chemical Technology (IICT), Hyderabad.
- ▶ Prathista Industries, Hyderabad.
- ▶ BioWorld Research Technologies, Hyderabad.
- ▶ Vaishnavi Industries, Hyderabad.
- ▶ Sri Yuva Biotech (Pvt Ltd), Hyderabad.
- ▶ Green Bubble Algal Works, Bangalore.
- ▶ NIT Warangal, Telangana.
- ▶ Indian Institute of Technology, IIT Indore.
- ▶ NIT, Jalandhar, Punjab.
- ▶ Kyung Hee University, South Korea.
- ▶ University of Houston, USA.
- ▶ Qatar University, Doha, Qatar.
- ▶ Curtin University, Australia.

## HONORS AND MINOR ENGINEERING

Students of B.Tech. Biotechnology can also enroll for Honors Degree in Biotechnology. Also, they can enroll for Minor Engineering in Computer Science or any other branch. In past 2 years, 25 students of B.Tech. Biotechnology have completed Honors and Minor Engineering. This has made them competitive for pursuing MS programs at top universities in the USA/Europe.

## VISION

To excel in education, research, and entrepreneurship in various fields of Biotechnology for contribution to the evolving needs of the society.

## MISSION

- ▶ To provide an excellent educational experience to the undergraduate students of Biotechnology through quality teaching and advanced curriculum with roots into the fundamentals, that enables students to become leaders in their chosen field of Biotechnology.
- ▶ To provide vibrant learning and research environment that enables students to focus on lifelong learning to transform into entrepreneurs and renowned researchers.
- ▶ To instil the spirit of innovation and creativity in young minds through participation in International and National level conferences/hackathons combined with a deep awareness of ethical responsibilities to profession and society.

## STAFF DETAILS

**12**  
TEACHING  
STAFF

**01**

Professor

**08**

Assistant  
Professors

**03**

Associate  
Professors

Scan for  
Faculty Profiles



✓ 100% faculty members are Ph. D. from prestigious institutions-IITs, NITs, AcSIR, etc.

✓ All faculty members have Expertise in Interdisciplinary fields of Research and teaching

**05 NON-TEACHING STAFF** Well qualified and experienced

## SPONSORED PROJECTS AND CONSULTANCY

- ▶ Consultancy Project from Industry for CO2 Sequestration.
- ▶ 10 Research Projects, funded by External and Internal funding of CBIT.

## RESEARCH PUBLICATIONS AND PATENTS

- ▶ 200 Research Publications/Book Chapters in High Quality Journals [SCOPUS/SCI indexed].
- ▶ 04 Patents Published.

## INDUSTRIAL VISITS

Students visit various industries and research organizations viz., CSIR, ICMR and ICAR Labs, Prathista Industries, FCI, Institute of Genetics and Hospital for Genetic Diseases, Indian Immunological Limited, Atal Incubation Centre, Telangana State Medical Plants Board, etc. every year to bridge the gap between academia and industry.





## PLACEMENTS AND HIGHER STUDIES

- **Core and Non-Core jobs:** Dr. Reddy's Lab, Hetero Biopharma, Mindtree, Capgemini, Accenture, Wipro, cognizant & Mu Sigma
- **Higher Studies:** IISc, Imperial College-UK, Johns Hopkins University-USA, Washington University-USA, etc.
- **R&D and Faculty jobs:** Stanford University-USA, IIT Kanpur
- **95%** students gainfully engaged
- **Highest package:** 10 lakhs per annum



Some of the Top Companies in which Our Students are Placed



Some of the Top Companies in which Our Students are Placed

## INTERSHIPS AND INDUSTRIAL TRAINING

- Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR), Bengaluru.
- University of South Africa.
- Indian Institute of Science, Bengaluru.
- CDFD, Hyderabad.
- Indian Council of Medical Research, New Delhi.
- CSIR-IICT, Hyderabad.
- Dr. Reddy's Laboratories, Hyderabad.



## STUDENTS ACHIEVEMENTS

- Received **50+** academic awards and prizes from IITs, CFTRI, CSIR-CCMB, BITS Pilani, etc. over the past three years in academics. Also, **30** awards in national and state-level events viz., Discus Throw, Taekwondo, Chess, and Dance indicating all round development

## ALUMNI ACHIEVEMENTS

Our Biotechnology alumni hold prominent positions in various sectors, including core biotechnology, government, and private organizations:

- **Roles:** R&D Director, Research Scientist, Regulatory Affairs Manager, Food Scientist, and more.
- **Notable organizations:** The Home Depot (USA), Biocytto (Ireland), Kellogg Company (USA), National Institute of Health (USA), Dr. Reddy's Laboratories, GVK Bio (India), and Accenture (India).
- **Academic affiliations:** Stanford University (USA), Emory University (USA), National Cancer Institute (USA), University of Cambridge (UK).

## LABORATORY AND INFRASTRUCTURE

- ✓ Animal Biotechnology Lab
- ✓ Genetic Engineering and Immunology Lab
- ✓ Biochemistry and Microbiology Lab
- ✓ Instrumentation and Enzyme Technology Lab
- ✓ Bioinformatics and Computational Biology Lab
- ✓ Fermentation Technology and Bioseparation Engg. Lab
- ✓ Plant Biotechnology and Tissue Engineering Lab
- ✓ Research and Development Lab



Bioinformatics Lab



R & D Lab



Genetic Engineering Lab



Animal Biotechnology Lab





# ARTIFICIAL INTELLIGENCE & DATA SCIENCE



**Dr. K. Radhika**

Professor & Head

Teaching Experience: 23 years

Contact No.: +91-9346253642

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## GENESIS : "Build A Strong Foundation In Multidisciplinary Areas of Computer Science With Our New-Age Programs"

AI and DS have had a significant impact on human civilization in the 21st century. They have transformed the way we work, communicate, teach, learn, and entertain ourselves. The Department's main objective is to provide experiential learning opportunities, including hands-on training, research projects, internships, and project-based courses that prepare students to work in interdisciplinary teams and create the future. The Department's research areas cover a wide range of topics, including Algorithms, Artificial Intelligence, Image Processing, Pattern Recognition, Machine Learning, Data Mining, Big Data Analytics, and Computer Security. The Department of Artificial Intelligence and Data Science at CBIT embarked on its journey in 2020 with an initial intake of 60 students, which has since increased to 120 students. It fulfills the requirement of acquisition of various skills by a well-designed curriculum, taking into consideration global problems through practical training, project work, industrial visits, guest lectures and exposure to recent changing technological trends in the industry.

## PROGRAMS OFFERED

**B.E. [Artificial Intelligence & Data Science] : Intake-120**

**M.Tech [Artificial Intelligence & Data Science] : Intake-18**

## VISION

To be a globally recognized center of excellence in the field of Artificial Intelligence and Data Science that produces innovative pioneers and research experts capable of addressing complex real-world challenges and contributing to the socio-economic development of the nation.

## MISSION

- To provide cutting-edge education in the field of Artificial Intelligence and Data Science that is rooted in ethical and moral values.
- To establish strong partnerships with industries and research organizations in the field of Artificial Intelligence and Data Science, and to excel in the emerging areas of research by creating innovative solutions.
- To motivate and mentor students to become trailblazers in Artificial Intelligence and Data Science, and develop an entrepreneurial mindset that nurtures innovation and creativity.

## STAFF DETAILS

**24**  
TEACHING  
STAFF

**02**  
Professors

**03**  
Associate  
Professors

**19**  
Assistant  
Professors

- ✓ Assistant Professors pursuing Ph.D. : 10
- ✓ 08 Faculty hold Ph.D.
- ✓ Experienced faculty  
(Maximum-35 years, Average-12 years)

**03 NON-TEACHING STAFF** Well qualified and experienced

## PROFESSIONAL SOCIETIES/ CLUBS

- Google Developer Student Club.
- Brain Waves Club.
- IEEE, ACM, IE(I) & ISTE.

## PLACEMENTS & HIGHER EDUCATION HIGHLIGHTS



## INTERNATIONAL REPUTED INSTITUTIONS THAT WELCOMED OUR STUDENTS





## COLLABORATIONS-MoUs

- Department has signed MoUs with Cyber Security Centre of Excellence, Code Sprint, Birla Institute of Technology & Science-Philani, National Institute for Micro, Small and Medium Enterprises (ni-msme), Hyderabad, Centre for Development of Advanced Computing (C-DAC), Robotic Process Automation (RPA) to promote bonding with industry and Institutes.

## SPONSORED PROJECTS

- Research project on "A New Model for Short Term Forecasting of Scintillations using Machine Learning Approach and Generation of Regional Scintillation Mapsin" by DST Funding.

## STUDENT ACHIEVEMENTS

- 🏆 Won Runner position in **Smart India Hackathon 2024** at MJ College and many student batches participated in Hackathons.
- 🏆 **More than 100 students** obtained NPTEL Online Course Certifications.
- 🏆 Received excellent review from **T-HUB** innovation project.
- 🏆 Students are regularly publishing papers under faculty guidance. They published 25 papers in the last one year.
- 🏆 Students won in Hackathon and Code Ninja workshop.
- 🏆 **82%** of eligible students were placed in top MNCs

## LABORATORY FACILITIES

- 🕒 The department has 3 fully Air-conditioned computer labs, 375 latest Intel core i5/i7 computers running Linux/Windows Operating Systems, and 2 server rooms containing Rack servers (blade server). The department is providing sufficient computing facilities for the students offering excellent training in computer programming. All these computing resources are interconnected with a high-speed intranet having 1 GBPS Internet connectivity to the outside world. The lab is adequately supported by peripherals like DMP, Printers, Scanners, and more.
- 🕒 C & DS, OOPS Python, DBMS, OS (LAB - 1).
- 🕒 AI, Big Data, CN & Web Technology, Machine Learning, Deep Learning (LAB - 2).
- 🕒 SEP, Business Analytics, IT Workshop (LAB - 3).
- 🕒 IOT Laboratory, Research Lab.
- 🕒 Learn On Advanced Laboratory Tools & Software MATLAB, Anaconda, R Software, Weka tool.

## INFRASTRUCTURE

- High speed (1 GBPS) internet access.
- UPS with backup.
- Spacious, well lit class rooms with wide corridors.
- Laptop, Projector facility for presentation.
- WiFi enabled campus.

## FACULTY ACTIVITY & PUBLICATIONS

- Faculty have participated in FDPs, Conferences, Workshops, Seminars, NPTEL Courses & Invited talks and also organized Faculty Development Program.
- Conference Publications- **20** in last two years.
- Collaborative Research Activity with prestigious institutes.
- **34 research papers** are published in reputed journals like Springer, IEEE, Elsevier and AIP publishing and conference proceedings in last 3 years.

Patents Published: **03** and Granted: **01**



## PROVISION FOR HONORS AND MINOR DEGREE

- A student will be eligible to get UG Degree with Honors in one's own discipline, if he/she completes an additional **20 credits**, in addition to basic degree **160 credit** requirement. These additional **20 credits** can be acquired through MOOCs.
- A student will be eligible to get UG Degree with Additional Minor Engineering in a discipline other than one's own, if he/she completes an additional **20 credits**, in addition to basic degree **160 credit** requirement

“Actively organize and participate in FDPs, STTPs, conferences, seminars, workshops, and similar events”





# ARTIFICIAL INTELLIGENCE & MACHINE LEARNING



**Dr. Y. Ramadevi**

Professor & Head

Teaching Experience: 32+ years

Contact No.: +91-9441286660,

Office: +91-040-24193276

Email: hod\_cseaiml@cbit.ac.in

## PROGRAMS OFFERED

**B.E. Computer Science and Engineering (Artificial Intelligence & Machine Learning) - Intake 180**

## VISION

To produce professionals in artificial intelligence and Machine Learning through the best possible education, acquire international recognition as a destination, and advance society in exciting and creative ways.

## MISSION

- Impart rigorous training to generate knowledge through the state-of-the-art concepts and technologies in Artificial Intelligence and Machine Learning.
- Develop technical proficiency in students through creativity and leadership.
- Encourage lifelong learning, social responsibility, environmental conservation, and professional ethics.
- Establish centres of excellence in leading areas of computer and artificial intelligence disciplines.

## STAFF DETAILS

**21**  
TEACHING  
STAFF

**03**

Professors

**02**

Associate  
Professors

**01**

Adjunct  
Professor

**15**

Assistant  
Professors

**04 NON-TEACHING STAFF** Well qualified and experienced

**GENESIS :** The Department of Artificial Intelligence and Machine Learning (AIML) at Chaitanya Bharathi Institute of Technology (CBIT) offers an undergraduate program in B.E. CSE(AIML) with an initial intake of 60 students from the academic year 2020-21, and B.E. AIML with an intake of 60 students from 2021-22. From the academic year 2024-25, the B.E. AIML program is being merged with B.E. CSE(AIML), and the intake will be increased to 180 students.

## ACCOMPLISHMENTS

The Department of AIML at CBIT proudly highlights several significant achievements over the past year, demonstrating our commitment to advancing technology and innovation in AI and ML.

**Current Students:** The department has a total of 476 students across all four years, led by Prof. R. Madana Mohana, who possesses extensive teaching and research experience.

**Placement Success:** The first batch (2020-24) of B.E. CSE (AIML) students achieved a remarkable 100% placement rate in 30+ top-tier companies. Recruiters such as Electronic Arts, JP Morgan Chase & Co., and Oracle offered competitive salary packages ranging from 4.5 Lakhs to 44 Lakhs per annum.

## INTERNSHIP OPPORTUNITIES

- Over 60% of our students secured internships at 15+ prestigious organizations such as Deliveroo, JP Morgan, Barclays GSC etc., with stipends ranging from **10K to 75K** per month, providing valuable industry exposure.

## FACULTY RECOGNITION

- Our experienced faculty, with 60% holding PhDs, have received numerous awards, including Best Paper Awards at international conferences. The department has consistently ranked among the top AI programs globally by prestigious academic and industry surveys.



**100% Placements by First Batch 2020-24 B.E. CSE(AIML)**





## STATE-OF-THE-ART FACILITIES

- The department's computer laboratories are equipped with the latest tools to support advanced research and development. Additionally, we have organized workshops, seminars, and Hackathons to engage the community and foster interest in AI and ML. The department also hosts the ACM Student Chapter (USA) and the Neural Nexus Students Club to showcase students' technical aspects.

### PROVISION FOR HONOURS & ADDITIONAL MINOR ENGINEERING DEGREE :

A B.E. CSE (AIML) student can receive Honors degree in B.E. CSE (AIML) or can receive an Additional Minor Engineering Degree in any other branch of Engineering.

## CONTINUED DEDICATION

- The Department of AIML remains dedicated to pushing the boundaries of technology and contributing to society through innovative research, education, and community engagement.

## STUDENT ACHIEVEMENTS

### Hackathons

- 🏆 **Hexagon Hackathon:** 3 students won ₹10 lakhs in 2022-23.
- Micron Smart Manufacturing and Artificial Intelligence Hackathon:** Worth ₹50,000 in 2022-23.
- 🏆 **Bits Hawk the Log Competition:** Runners-up in 2022-23.
- 🏆 **Ideathon – CBITA-CIC:** Winners (₹75,000) in 2022-23.
- 🏆 Participated in Grand Finale **Smart India Hackathon**, in August 2022.

### Sports

- 🏆 **Shruthi 2023:** Overall Women Champions.
- 🏆 **Shruthi 2023 Winners:** Cricket, Volleyball, 4x100 Relay, Throw Ball, Running 200m.
- 🏆 **Shruthi 2023 Runners-up:** Chess, Tennikoit.
- 🏆 National Archery player.
- 🏆 National Sports – **AURA winners**

### Students Achievement Hackathon – Rs.10 Lakhs prize



### 3<sup>rd</sup> Position by Botte Saketh



## SEMINARS / WORKSHOPS / FACULTY DEVELOPMENT PROGRAMS CONDUCTED

- 🌟 **SUDHEE & SRUTHI-2024:** Through NEURAL NEXUS Club from Feb 29 to March 2, 2024.
- 🌟 **One Week National Level Faculty Development Programme (Hybrid Mode):** "Research Advancements in Natural Language Processing" from January 29 – February 2, 2024.
- 🌟 **One Week National Level Faculty Development Programme (Online):** "Essential Mathematics For Data Science & Machine Learning" from February 5 to February 9, 2024.
- 🌟 **Guest Lecture:** "Recent Trends in Deep Learning Methods and Applications (Fog Computing, Deep Learning & Big Data Analytics Research Direction)" by Dr. CS.R. Prabhu, Chairperson ACM Hyd Deccan on November 9, 2023.
- 🌟 **Seminar:** "Impact of Artificial Intelligence and Machine Learning on Industries, Technologies and Job Markets" by Sri Charles Sasi Paul, Founder & CEO, Voltuswave Technologies on November 22, 2023.
- 🌟 **Seminar:** "Hybrid Cloud and its Ramifications on AIML" by Sri Murali Cheekati, Ex-IIT Chennai and IIMC, Lenovo USA, Tech lead – Cloud Solutions on November 24, 2023.



Hybrid Cloud and its Ramifications on AIML





# COMPUTER ENGINEERING AND TECHNOLOGY



## Dr. Sangeeta Gupta

Professor & Head

Teaching Experience: 18+ years

Contact No.: +91-99894 04702

Email: hod\_cet@cbit.ac.in

**GENESIS :** B.E-CSE (IoT with Cyber Security Including Blockchain Technology) undergraduate engineering programme was started by the institute during the academic year 2020-21 with an intake capacity of 60 seats. This programme familiarises students with the functional and operational aspects of IoT, Cyber Security and Blockchain Technology. Department has well equipped laboratories with necessary softwares and committed, qualified well trained staff for teaching/learning process. The department is devoted to contributing towards the holistic development of the students. The scope of societal, cultural, co-curricular and extra-curricular events are remarked with our department. We offer our students, hands-on experience, building intellectuality collaborating with research ideas that contemplates for the society.

## PROGRAMS OFFERED

**B.E-CSE(Internet of Things with Cyber Security including Blockchain Technology): Intake-60**

## PROFESSIONAL SOCIETIES/ CLUBS

The Student Association for Technology Analysis to Regulate Cybercrime (SATARC) is a vibrant and innovative club dedicated to cybersecurity excellence.



## COLLABORATIONS-MAJOR MoU



Data Security Council of India (DSCI)

## VISION

To be in the frontiers of Computer Science and Engineering with academic excellence and Research.

## MISSION

- Educate students with the best practices of Computer Science by integrating latest research into the curriculum.
- Develop professionals with sound knowledge in theory and practice of Computer Science and Engineering.
- Facilitate the development of academia-industry collaboration and societal outreach programs.
- Prepare students for full and ethical participation in a diverse society and encourage lifelong learning.

## STAFF DETAILS

**09**  
TEACHING  
STAFF

**02**  
Professors

**01**  
Associate  
Professors

**06**  
Assistant  
Professors

- ✓ Experienced faculty  
(Maximum-35 years, Average-12 years)

**03 NON-TEACHING STAFF** Well qualified and experienced

## PLACEMENT OPPORTUNITIES

- ✓ **Diverse Opportunities:** A wide range of **88 companies** from various sectors visited the campus.
- ✓ **Strong Placements:** With a total of **48 offers**, the placement drive witnessed significant success.
- ✓ **Multiple Offers:** **6 students** were fortunate to receive more than one job offer, showcasing their exceptional capabilities.
- ✓ **Competitive Salaries:** The highest salary package reached an impressive **₹17.7 LPA**, while the average salary stood at **₹7.92 LPA**, indicating strong employer interest and competitive compensation.

## INTERNSHIP OPPORTUNITIES

- ✓ **Industry Internship** (Qualcomm , CtrlS , Barclays , MSG Global Solutions etc) with stipend- up to **45k** per month.
- ✓ **In-house Internship:** IoT, IIoT and Applications conducted in association with LETFIX Technologies, Chennai for **70** students.

## SPONSORED PROJECTS

- ✓ Govt. of India, Dept. of Science and Technology (DST) under FIST Program worth of **₹ 57 / 150L**, for establishing Virtual/ Augmented Reality Lab and Robotics & Industrial Automation Lab.
- ✓ DRDO, Ministry of Defense, Government of India, titled "Development of image matching technique for camouflaging of various terrains/assets of sites" worth of **₹9.5L**
- ✓ Science & Engineering Research Board (SERB), Department of Science and Technology, Government of India, titled "A Novel Hybrid Framework for Securing Autonomous Systems", proposal has been provisionally accepted for further processing worth of **₹28.5L**.

## CONSULTANCY PROJECTS

The faculty from the department are serving as subject matter expert and content creator as part of the consultancy projects for various companies such as EdWiseley software company pvt ltd, Miles Education Hyderabad.





## STUDENT AWARDS

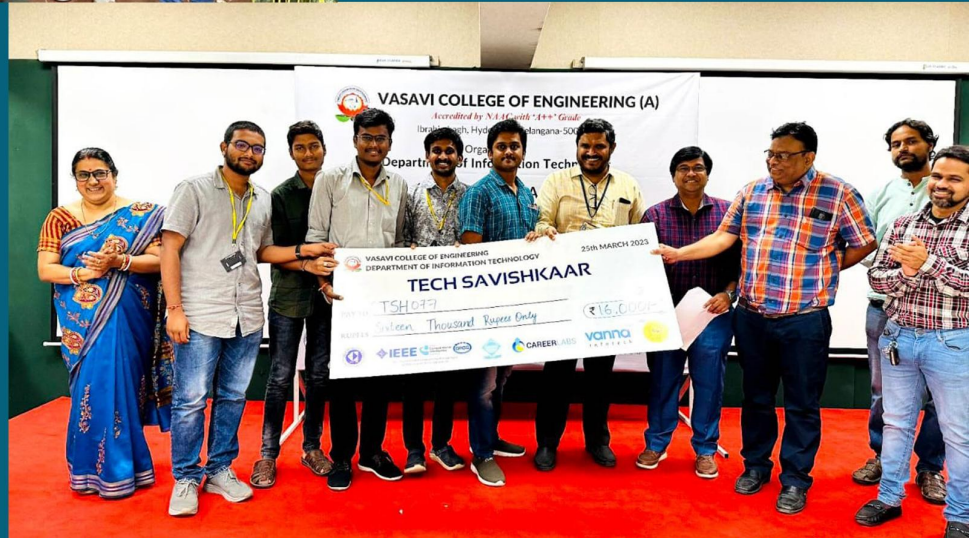
- Won prizes in Smart India Hackathon and Bug Bounty.
- Participated and reached till grand finale of NCIIPC AICTE PENTATHON 2024.
- Cleared CompaTIA Security + certification, Google Cybersecurity Certification.
- NPTEL and Coursera Certifications.
- Presented and Published papers in reputed Journals and Conferences.
- Published Patents.

***“Join us to be a part of a thriving community that ensures bright futures through comprehensive placement, internship, and training programs.”***



***“Smart India Hackathon”***

***“Tech Savishkaar 2.0”***



***“Teks Academy Offers Free Courses”***



# SCHOOL OF MANAGEMENT STUDIES



## Dr. S. Saraswathi

Associate Professor & Head

Teaching Experience: 26 years

Contact No.: +91-9290482334

Email: hod\_sms@cbit.ac.in

**GENESIS :** School of Management Studies was established in the year 1996 with an aim to prepare the youth to become outstanding Management Professionals and Entrepreneurs characterized by Integrity and Social responsibility to compete with the Students Globally. Students are trained by providing Professional, Competitive and Industry relevant Education up to date with Sustainable Value Addition. The department is offering Marketing, Finance, HR, and Business Analytics specializations. In addition to their specializations, Students undergo Internships and Projects to have practical exposure and apply the theory in the Practice. Skill Development courses are also offered to enhance their managerial skills, capabilities, knowledge and team work. The department has been striving for excellence in Academics, Research, Co-curricular, Extra-Curricular and Extension Activities besides equipping the students with moral and human values. The education and exposure that the students have at School of Management Studies during the two years makes them confident to join the World of Business and face the challenges of the Corporate.

## PROGRAMS OFFERED

**Master of Business Administration : Intake-120**

**Specializations Offered:** Finance, Marketing, HR, and Business Analytics

## INTERNSHIP OPPORTUNITIES

Our students have had the privilege to intern with industry giants such as Deloitte, Berkadia, NIRD, Times of India, Power Grid Corporation of India Limited, BHEL, SIDALCEAS Edutech, Andhra Paper Mill, Nexgen Media, Square Media, Insplore Consultancy, and APSSIDC among others.

## VISION

To Establish an Institutional Culture for Management Education and Research to Achieve Sustainable Impact on Society.

## MISSION

- Impart Quality Management Education through Innovative Teaching and Learning Practices.
- To Promote Research and Innovation through Collaborations.
- Cultivate in Students a sense of Professionalism, Ethics, and Social Responsibility.
- Nurture Innovative Business Leaders and Entrepreneurs through Integrated Education.

## STAFF DETAILS

**16**  
TEACHING  
STAFF

**01**  
Professor

**03**  
Associate  
Professors

**12**  
Assistant  
Professors

✓ **12 Faculty Members Awarded Doctorates**

✓ Experienced faculty  
(Maximum-26 years, Average-15 years)

**03 NON-TEACHING STAFF** Well qualified and experienced

## PROFESSIONAL SOCIETIES/ CLUBS

- Think Club
- YUVA Tourism Club

## MAJOR RECRUITERS



## COLLABORATIONS-MoUs

Our department actively collaborates with academic institutions, industry partners, and government agencies to drive innovative research and development. These partnerships enable us to leverage diverse expertise and resources, fostering advancements in our field. Department has collaboration with **Navatha Supply Chain Solutions, Berkadia Services India Private Ltd, Tejaswini Green Ltd, DRS Packkars and Movers, M/S Dotex Logistics Private, Navatha Road Transport Company, GATI Intellect Systems Ltd, I Lead Tax & Business Services Private Ltd, International University of Tourism and Entrepreneurship, Tajikistan, State Educational Establishment of Engineering and Pedagogical College of Dusahabe City, Tajikistan** etc.





## PUBLICATIONS

- More than **50** research papers have been published in reputed publishers like **Elsevier, ABDC, Taylor & Francis, Sage, Emerald, MDPI** etc., in last 3 years.

Patents Published: **05**

## KNOWLEDGE TRANSFER

- Delivered guest/ keynote lectures in FDPs, conferences, and workshops

## ALUMNI

- Department proudly boasts a distinguished and outstanding alumnus that significantly contributes to the professional growth and development of current students through mentoring, career guidance, Expert talk, internship and placement opportunities, etc. This active engagement not only bridges the gap between academia and industry but also inspires and prepares students for successful careers, reflecting the strong foundation and quality education provided by School of Management Studies. The alumni network serves as a testament to the enduring legacy of excellence fostered by the institution, nurturing future leaders and innovators in the field of management.

## ACHIEVEMENTS

- Faculty members actively organize and participate in FDPs, STTPs, Conferences, Seminars, Workshops, Alumni Talks and similar events.
- Faculty won awards in paper presentations in conferences.
- Two faculty are recognized as supervisors to guide Ph.D scholars. Two scholars awarded Ph.D.
- Faculty are involved into social activities and community engagement.
- Faculty networking with industry and explore the internship and placement opportunities for students.

## INFRASTRUCTURE

- Department is well equipped with State-of-the-art classrooms with modern audio-visual aids, computer labs, centralized resourceful library, Career development cell, sport facilities etc

## STUDENT AWARDS

- 🏆 Our students actively participate and excel in management events organized by various institutes, showcasing their talent, skills, and knowledge.

## INDUSTRIAL VISIT

SMS regularly conducts industrial visits to provide invaluable practical exposure and insights into real-world business operations, bridging the gap between theoretical knowledge and practical application. By interacting with industry professionals and observing operational processes, students gain a deeper understanding of various sectors, enhancing their readiness for successful careers in finance, marketing, human resources, business analytics, and supply chain management. The recent industrial visits were **Coco cola, Mahindra, Cold** rush etc.

Mahindra Logistics,  
Hyderabad



Coco-Cola,  
Hyderabad



## EXTENSION ACTIVITIES

SMS is committed to community engagement and social responsibility through various extension activities. In collaboration with the **Mahatma Gandhi National Council for Rural Education**, department initiated the **Swachhta Action Plan, Rural Immersion Program, Swachhta Pakhwada, and Unnat Bharat Abhiyan**. These initiatives aim to promote cleanliness, rural development, and sustainable living, fostering a sense of responsibility and civic engagement among our students.

**Joining the Department of School of Management Studies Offers a Fantastic Opportunity to:**

- 🕒 Benefit from experienced faculty, a comprehensive curriculum, and cutting-edge research facilities.
- 🕒 Leverage strong industry connections, excellent placement support, and pathways to higher studies and start-ups.
- 🕒 Engage in holistic development through extracurricular activities, international exposure, and a vibrant alumni network.





# MASTER OF COMPUTER APPLICATIONS



## Dr. B. Indira

Associate Professor & Head  
Teaching Experience: 28 Years  
Contact No.: +91-98489 52195  
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Email: hod\_mca@cbit.ac.in

**GENESIS :** The MCA department is equipped with state-of-the-art technology and high class faculty in order to ensure that the students receive training that is a class apart. Thanks to a number of Ph. D holding faculty members, the department has a fair amount of research orientation as well. Both the students and the faculty members constantly indulge in self-improvement, by exposing themselves to the latest happenings in the world of technology.

## PROGRAMS OFFERED

**Master of Computer Applications (MCA): Intake-60**

### ACHIEVEMENTS: FACULTY MEMBERS

- ✓ Actively organize and participate in FDPs, STTPs, conferences, seminars, webinars, workshops and similar events.

### KNOWLEDGE TRANSFER: FACULTY MEMBERS

- ✓ Delivered guest/ keynote lectures in FDPs, conferences, and workshops.
- ✓ Chaired technical sessions in international and national conferences.
- ✓ Reviewed papers in International Conferences.

### AWARDS/ ACCOLADES

- ✓ Our Faculty received "Bharat Ratna Mother Teresa Gold Medal Award" from Global Economic Progress & Research Association, Pre-eminent Professor National Award 2022 from Chennai Teacher's Council, "Best Inspirational Women of Telangana" from TAPA (Telangana All principals Association), and awards from Organization of science and innovative engineering and technology, Chennai, Bharat Education, Brain O Vision etc.

### FACULTY RECOGNITIONS

- 02 of our faculty have guideship to guide Ph.D students.
- Four Ph.D scholars awarded Doctorates under the supervision of our faculty.

## VISION

To become a premier center in the field of Computer Applications that produces innovative, skilful and socially responsible professionals who can contribute significantly to academics, research and industry.

## MISSION

- To empower students with state-of-the-art technologies in Computer Science and its Applications to meet global needs.
- To develop technical expertise in Computer Applications through collaborative learning and innovation.
- To encourage lifelong learning, social responsibility, professionalism and ethical practices in addressing real-world challenges.

## STAFF DETAILS

**07**  
TEACHING  
STAFF

**01**  
Professor

**01**  
Associate  
Professor

**05**  
Assistant  
Professors

- ✓ Experienced faculty  
(Maximum-28 years, Average-20 years)

**02 NON-TEACHING STAFF** Well qualified and experienced

## SPONSORED PROJECTS

- Completed a minor research project entitled "A Study on the effective use of ICT for education and learning purpose in various schools and colleges of Hyderabad and Secunderabad" sponsored by UGC with a financial assistance of **₹2,13,500/-** granted for the year 2017-2019 (completed)

## PUBLICATIONS

- ✓ Research papers are published in the top peer reviewed / professional journals.
- ✓ Average h- Index of staff members is 3.
- ✓ Most of the papers are indexed in **Scopus, WoS, & Google**.
- ✓ Papers are presented in IEEE conferences.

**Patents Published: 02**

## TOP RECRUITERS



## INTERSHIP OPPORTUNITIES

- 📍 Internship with stipend
- 📍 Industry Internship

## LABORATORY FACILITIES

- Well-equipped laboratories with latest configuration systems.

## NOTABLE ALUMNI

- Mr. Annappindi Prabhakar Sharma, Senior Infrastructure Engineer, Wellsfargo International Solution (P) Ltd.
- Mr. Ram Narayan Dash, Senior Data Engineer, Cognizant Australia Pty Ltd.
- Mr. Rishabh Verma Software Developer, Capgemini, Mumbai.
- Mr. Sandeep Kalari Dominion University, Virginia, USA.
- Mr. Roopansh Gupta, Data Engineering Consultant at BDO,





# DEPARTMENT OF PHYSICS



**Dr. B. Sreenivasa Reddy**

Professor & Head  
Teaching Experience : 29 Years  
Office: +91-9849272455  
Email: hod\_physics@cbit.ac.in



## VISION

Nurturing student talent in the area of core and applied area of Physics. Nurturing fresh graduates to advance/motivate in/towards science and technology.

## MISSION

To enrich the principles of Physics through which the capability of understanding the core subject is made easier for a graduate student.

## GENESIS

- Department of Physics has been one of the oldest departments since the establishment of CBIT and had its profound stand in the research and teaching & learning activities while renovating itself with the dynamic curriculum of the affiliating institutions (AICTE) and higher education institutions (HEI) from time to time.
- The Department offers courses Optics and Semiconductor Physics (OSP), Electromagnetic Theory & Quantum Mechanics (ETQM), Mechanics and Materials Science (MMS) and Physics for I-Year B.E/B.Tech. and an open elective History of Science and Technology to III, IV and PG students. These courses are meant to teach the fundamentals of Physics required while throwing light on to their technological and engineering applications.
- The department is instrumental in scheduling the class work for I-Year B.E/B.Tech. programmes. Its perseverance to actively participate in conducting various mandate and co-curricular activities in the institute deserves a definite and special mention.
- It offers its dedication while moulding and shaping the young graduates into career-oriented personals by conducting programmes such as orientation, student induction programmes and an instrumental hand in organizing college events SHRUTHI and SUDHEE.
- The Department targets to achieve research excellence in interdisciplinary & allied disciplines of sciences and technology through collaborations with industry and educational institutions within the nation and across the globe.

**TEACHING  
STAFF**

**12**

Professor **02**  
Associate Professor **01**  
Assistant Professor **09**

**03**

**NON  
TEACHING  
STAFF**

All faculty members  
are Ph.D. holders



Spacious Laboratories

## ACHIEVEMENTS

- The Department is determined to establish facilities for Materials Research and Radiation Physics. The faculty have secured funds of worth about **₹1,00,00,000/-** by winning major and minor projects from different Govt. funding agencies like DST (International Bi-Lateral), SERB (Core Research Grant), UGC, UGC-DAE CSR, TSCOST and In-house projects.
- Our faculty is nominated and recognized as Affiliated Assistant Research Professor of Physics by State University of New York, Buffalo State University.
- **180** publications in highly reputed journals and conference proceedings.

# DEPARTMENT OF MATHEMATICS

## VISION

The Department aims to be center of excellence in Mathematics, computing, teaching and research.

## MISSION

- To impart the knowledge of Mathematical Science and motivate the students to pursue research in various engineering fields.
- Generate Mathematical thinking to solve complex engineering problems.
- Provide Platform to acquire abilities to evaluate problems using R-Programming/ Scilab/MATLAB.

## GENESIS

The Department of Mathematics at CBIT is a thriving community of dedicated teachers, and devoted students sharing the enthusiasm for Mathematics. The department was established in the year 1979 and since then it has shown continuous improvement in both academic and research criteria.

We aim to facilitate interdisciplinary learning, broadening students' perspectives and equipping them with resources not only for mastering mathematics but also for improving confident competitiveness across diverse fields.

The department is offering 22 courses for UG and 04 courses for PG Programs.

**150** publications in highly reputed journals.



**Dr. Swatmaram**

Associate Professor & Head  
Teaching Experience : 25 Years  
Contact No. : +91-9849167507  
Email: hod\_maths@cbit.ac.in

**TEACHING  
STAFF**

**16**

Professor **01**  
Associate Professor **01**  
Assistant Professor **14**

Ph.D  
Holders  
**15**

**CLUBS :** The objective of the Ramanujan Maths Club of CBIT(A) is to foster problem-solving skills, enhance Mathematical Prowess among learners, and contribute in the allround development of the students as Mathematical thinkers.





# DEPARTMENT OF CHEMISTRY



**Dr. K. Ramesh**

Assistant Professor & Head  
Teaching Experience : 20 Years  
Office: +91-8466997212  
Email: hod\_chemistry@cbit.ac.in



## VISION

Our vision is to develop the department into a center of learning, offering postgraduate and research programs in pure and applied Chemistry.

## MISSION

Impart value based technical education so that the next generation engineers who serve society well get produced.

## GENESIS

- Department of Chemistry has been one of the oldest departments since the establishment of CBIT. The department is doing extremely well with regards to the infrastructure and teaching methods. The teaching staff of the department comprises a group of successful people with Ph. D. degrees as well as accomplishments in Research and Teaching.
- We have a very favorable faculty-to-student ratio, which encourages close contact between students and their faculty mentors. Besides, the department has been constantly revising the contents of the theory and practical (laboratory) syllabi.

## SPONSORED PROJECTS

The Department is determined to establish facilities in the area of nanomaterials and catalysis. So far, the faculty have secured funds of worth about **₹12,00,000/-** by winning projects from Govt. funding agencies like UGC-DAE CSR, and In-house projects.

## PUBLICATIONS

60 research papers are published with reputed publishers like **Springer, Elsevier, ACS, and Taylor and Francis**, etc.

**05** NON - TEACHING STAFF Well Qualified & Experienced

## TEACHING STAFF

**11**

Professor **01**  
Associate Professor **02**  
Assistant Professor **08**

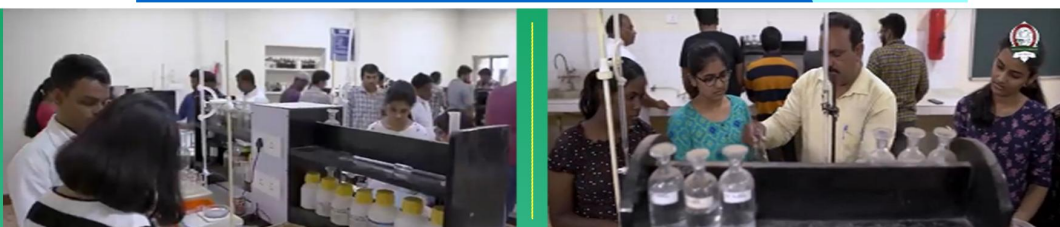
Ph. D. Holders : **11**

Post Doc. : **03**

Experienced faculty  
Maximum-26 years  
Average-13 years

## LABOURATORY FACILITIES

The Department has six well equipped and spacious laboratories with good infrastructure



# DEPARTMENT OF ENGLISH

## VISION

The vision of the department is to create, convey and apply knowledge and language skills to help in the holistic development of individuals, and to aim for excellence through its focus on teaching and learning, research and discovery, outreach and collaboration.

## MISSION

- The mission of the department is to facilitate the acquisition of communication skills and soft skills with a humanistic approach. To equip the students with language skills, manners, etiquette and soft-skills. To enable the students to use English language as a tool for employment, higher study, entrepreneurship.
- To use innovative teaching and learning methods so that students may imbibe language skills effectively.
- To develop the department as a centre of excellence for language teaching.

## GENESIS

The Department of English integrates language proficiency with technical education, to equip students with essential communication and life skills. We offer courses enhancing LSRW skills, including English, English Lab, Employability Skills, and Technical Writing Skills. Holistic development is fostered through Gender Sensitization, Indian Constitution and Fundamental Principles, and Indian Traditional Knowledge. PG courses like Professional Communication Skills Lab and English for Research Paper Writing prepare the students for leadership and research roles. With dedicated faculty, state-of-the-art English and Employability Skills labs, our department ensures robust education in language proficiency and technical communication, providing hands-on training in career-readiness competencies.

**63** Publications in highly reputed journals. | Patents Published : **09**

**CLUBS** : The Department has student clubs such as Communicando, Chaaya, Model United Nations, Transcendent etc. which are active and have won various accolades..



**Dr. Shagufta Parween**

Assistant Professor & Head  
Teaching & Research Experience : 14.5 Years  
Contact No. : +91 9550315302  
Email: hod\_english@cbit.ac.in

## TEACHING STAFF

**11**

Sr. Assistant Professors **02**  
Assistant Professors **08**  
Student Counselor **01**

Ph.D Holders  
**06**

## LABOURATORY FACILITIES

The Department has seven well equipped and spacious laboratories with good infrastructure.





# ADMISSION PROCEDURE

All the Admissions are based on Merit

## B.E./B.Tech. Admission Procedure

### ✦ A - Category (Convener Quota)

- 70% of the seats through TSEAMCET Ranks.

### ✦ B - Category (Management Quota):

- 15% of the seats for the candidates throughout India without reservations through IIT JEE Mains Ranks / TSEAMCET Ranks / Qualifying Exam Marks.
- 15% of the seats for NRI / NRI sponsored candidates through Qualifying Exam Marks.

## M.E. / M.Tech. Admission Procedure

### ✦ A - Category (Convener Quota)

- 70% of the seats through GATE / TSPGECET Ranks

### ✦ B - Category (Management Quota):

- 30% of the seats through GATE / TSPGECET / Qualifying Exam Marks

## MBA / MCA Admission Procedure

### ✦ A - Category (Convener Quota)

- 70% of the seats through TSICET Ranks.

### ✦ B - Category (Management Quota):

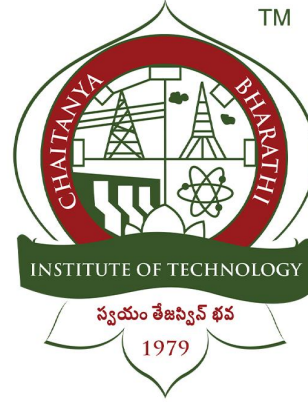
- 30% of the seats through TSICET / Qualifying Exam Marks

#### NOTE :

- Reservations are followed as per State Government Norms in all the A-Category Admissions.
- All the A-Category seats are filled by the respective Convenors of TSEAMCET, TSPGECET, TSICET.
- All the B-Category seats are filled by the Institute Management as per the guidelines issued by TSCHE, Telangana State.



TG EAPCET CODE : CBIT  
TG ICET CODE : CBIT  
TG ECET CODE : CBIT



## Thrives for Self-Enlightenment

### Contact

Kokapet Village, Gandipet Mandal,  
Ranga Reddy District  
Hyderabad, Telangana,  
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Mobile: 8466997201  
For Admissions Enquiry: 8466997216  
Email: [principal@cbit.ac.in](mailto:principal@cbit.ac.in)  
Website : [www.cbit.ac.in](http://www.cbit.ac.in)



17.3920° N, 78.3194° E

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