

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY(A)

ANNUAL REPORT - 2022

Respected Sri N. Subash garu, President, CBIT.

Hon'ble Chief Guest of today's function : Prof. R. Limbadri, Chairman, TSCHE.

Guests of Honor for the day : Sri V.N. Aditya, Director, Film Industry,

Respected Board of Management,

Prof. K. Jagannadha Rao, Chairman, SHRUTHI-2022,

Students' Association President Ms. S. Simritha Rao,

Other Dignitaries off the Dais, Special Invitees, Directors, Joint Directors, Heads of the Departments, In-charges of Sections, Faculty, Staff, Parents, Electronic & Print Media and my dear Students of CBIT.

A Very Good Evening to you all.

I heartily welcome you all to the Annual National Level Technical Fest of CBIT - SUDHEE - 2022. I am happy to say that CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY is celebrating 43rd year of it's establishment.

At the outset, I would like to thank you all for giving me the opportunity to place before you a brief Annual Report of CBIT for the Academic year 2021-22.

CBIT is an Institute par Excellence. It nurtures talent, encourages Innovation and propels Research in all disciplines. CBIT aspires to establish one of the best education ecosystems in the Country in the field of Technical Education.

Motto: The Management, with a vision to be a Centre of Excellence in Technical Education and Research, envisaged a new Road Map to CBIT to elevate its Standards on par with premier Technical Institutions in the Country. The Institute harnesses the talents of the Students to make them technically sound and to develop a holistic personality. **In line with its Motto "Swayam Tejaswin Bhava"**, CBIT trains the Students to become

Self-enlightened and to become successful Personalities in their respective walks of life.

Vision: To be a Centre of Excellence in Technical Education and Research

Mission: To address the Emerging Needs through Quality Technical Education and Advanced Research

Quality Policy: CBIT imparts value based Technical Education and Training to meet the requirements of Students, Industry, Trade / Profession and Research Organizations for Self-sustained growth of Society.

First of all, I congratulate all the Faculty, Students and Staff members of this Institution for bringing Laurels during the last Academic Year.

I would like to inform that the Institute has been participating in NIRF Rankings since 2016 and had been Ranked **133rd Position** in the Engineering Category for the Year 2021 and ranked 1st among the top Private Engineering Institutes in Telangana as per the survey conducted by Times Engineering, Education World India and the Week Magazine in the Year 2021.

- ✓ CBIT was established by Chaitanya Bharathi Educational Society in 1979.
- ✓ Offering 12 UG Programmes and 10 PG Programmes with an intake 1664 Students.
- ✓ Introduced B.E - Artificial Intelligence and Machine Learning Programme from this Academic Year.
- ✓ Land : 120 acres of land out of which 50.8 acres was allotted to CBIT.
- ✓ Programs accredited by NBA for 5 times & NAAC at A Grade, UGC extended Autonomous Status to CBIT up to 2023-2024. Recently an Expert Committee from NBA visited our Institute and evaluated for Accreditation of 6 UG Programs during December, 2021. Awaiting response from them.
- ✓ An ISO 9001:2015 Certified Institution.

Academic Environment:

CBIT provides excellent academic environment in which you have to reap maximum results.

We have **576** committed Staff out of which **327** are Teaching. **164** faculty possess Ph.D. and **98** are pursuing Ph.D. State of the art laboratories, excellent Library & Sports facilities are made available at CBIT.

CBIT endeavours to innovate its academic activities by implementing Model Curriculum notified by AICTE from the academic year 2020-21, in a bid to generate the kind of intellectual capital that will keep the Institute up-to-date on the technological front.

Our students are exposed to challenging, research-based academics and a host of sports, cultural and organizational activities on the vibrant campus. The presence of Research facilities, Institute-Industry Collaborations, Innovation and Incubation activities, International Exchange programmes, Inter-disciplinary Research Collaborations and Internship opportunities help the Students of CBIT to excel and be ahead in the competitive professional environment. In the 43 years of its existence, more than 27000 students have graduated from CBIT. CBIT is proud that its Graduates are highly rated by employers from Industry in the Private and Public Sectors.

In this connection, I would like to inform that we are awarding 104 Silver Medals for the Students who achieved highest CGPA in the previous Academic year.

The overall pass percentage for the academic year 2020-21 is 98.31% which includes 68.56% Distinctions and 26.73% First Classes.

At this juncture, I would like to place on record the outstanding work done by the Dept of CSE for providing technological solutions for successful conduction of online classes and examinations during the Pandemic.

Research & Development, Consultancy :

Research activity on Artificial Heart Project is under progress and Projects from various agencies like AICTE, DST, DRDO, DMRL, ISRO, BITS, Hyderabad etc., are in progress.

A total of **Ten** Sponsored Projects worth of **Rs.1,09,91,062/-** sponsored by various reputed organizations such as DST, AICTE and UGC etc., are being executed. **One** Consultancy activity worth **Rs.21,00,000/-** is being carried out and **Two** Training Programs worth **Rs. 18,31,000/-** are being carried out during this Academic Year. Four International Conferences have been organized during the last academic year.

Innovation, Incubation & Entrepreneurship:

Higher educational Institution are best suited for both an 'engine' for innovation and a 'catalyst' for sustainability development, the integration of both the 'innovation engine' and 'sustainability catalyst' roles is best reflected in higher education's engagement in innovation ecosystems. To enhance research activities and cultivate pleasant research atmosphere, a multi-crore state of the art building with all modern technical facilities is established at CBIT.

MSME Business incubator has been established in the year 2019 with the goal is to nurture ideas from students/local community/MSMEs and foster such entrepreneurial ideas successfully in a supportive environment and mentoring to convert their social ideas into social startup.

CBIT has been selected from Telangana by AIM(NITI Aayog) for the establishment of Atal Community innovation centre. The ACIC-CBIT will provide requisite infrastructure along with makers space with requisite equipments for innovation in the unserved / underserved regions or having potential to build innovation ecosystems in various parts of the state for solving many problems faced by the community. The programs conducted by the ACIC provides opportunity for the creative students and Rural Innovators to show case their potential to become the entrepreneur by presenting their creative ideas along with problem solving aptitude.

CBIT has established Institution's Innovation Council (IIC) to systematically foster the culture of creative thinking amongst its students aspiring to be entrepreneurs with innovative minds. IIC conducted 50 Plus programs related to Innovation, Incubation, Entrepreneurship, Startups and IPR related activities for the students and faculties in order to create innovation culture. Students and faculties are encouraged to file IPRs and product development. 50 students of CBIT were nominated in the year 2020-21 and have attended a number of training program sessions arranged under the T-Tribe's Launchpad program. The comprehensive curriculum has also inculcated entrepreneurial

competencies and entrepreneurship as knowledge and practice among the students. 41 students have successfully completed and received certificates for the course completion on Entrepreneurship. This year, CBIT has also nominated 50 students who have shown passion to become Entrepreneur.

CBIT has filed 23 IPRs during last one year and few of them are due to the contribution from the students during their project work.

The Innovation and Entrepreneurial Ecosystem established at CBIT and the Initiatives taken in this direction by CBIT will help the innovative students to convert their creative idea to a product with innovative technology which can be patented and further commercialized. The opportunity and the ecosystem created by CBIT will also help the students to develop competencies which will be very useful regardless of their career choice.

CBIT is recognised as a Member of National Rural Entrepreneurship Mission by the Mahatma Gandhi National Council of Rural Education, Ministry of Education, Government of India for imparting training with a mission of inculcating Entrepreneurship among Students.

CBIT is recognised as one of the Exemplary Performers in campus water and sanitation management by the MGNCRE in Ministry of Human Resource Development in Government of India for our contribution to the field of water conservation and for promoting professionalism and capacity building in water and sanitation management in our campus and Awarded CBIT as “Green Institutional Mentor”

CBIT is recognised and has been granted authorization by the U.S. Council to offer US Council Training Courses and is an approved US – Council Authorized Training Center.

CBIT, has partnered with a T-Hub’s PAN India initiative, that envisions promoting and support Innovation & Entrepreneurship in Students thereby creating wealth, strengthening the economy, and establishing sustainable employment opportunities in India.

CBIT received Certificate of Appreciation from the Chairman, TERRE Policy Centre, for signing the “Not Zero-Net Zero” Pledge to become Carbon Neutral Educational Institute for our effort in combating climate change and sustain environment for future generation.

CBIT, has partnered with a T-Hub's PAN India initiative, that envisions promoting and support Innovation & Entrepreneurship in Students thereby creating wealth, strengthening the economy, and establishing sustainable employment opportunities in India.

Established an Institute Innovation Council and various activities prescribed by IIC, MoE, Govt. of India, to promote Innovation and Startups in campus and a 4 Star Certificate has been accorded by the IIC, MoE.

CBIT is recognised in the band - Excellent under the Self Financed Pvt. Institutions in ARIIA 2021, a flagship programme by MoE, Govt. of India.

SWAYAM-NPTEL recognised CBIT for having maximum number of NPTEL Stars during the year 2021.

SWAYAM-NPTEL recognised CBIT as a valuable Local Chapter with a rating of AA based on the performance in the NPTEL online certification courses.

An Automatic Weather Station (AWS) is installed in our campus by the National Atmospheric Research Laboratory (NARL), Department of Space (DoS), Gadanki, Tirupathi, for monitoring the effect of urbanization on Hyderabad weather.

Department of EEE developed 3 products (Covid Combat) in association with IMRC- Aayu, Ruja & Drutha.

MOUs :

CBIT has entered into MoUs with Telangana State Council of Science & Technology (TSCOST), M/s. Zoom Technologies Pvt. Limited, M/s. Kernel Sphere Technologies Pvt. Limited and M/s. Digintrude Info Sec Pvt. Ltd., Cares Renewable, Wind Stream Energy Technologies, Research and Innovation Circle, Hyderabad, Innopark Ventures, NHAI, IMRC Anywhere Automation University, Green Bubble Algal Works Pvt. Ltd., Biosephia Engineering Services Pvt. Ltd., College Bag Pvt. Ltd., Green Waves, SVAK Life Sciences, RTTC-BSNL and T-Works Foundation, MassMutual India, M/s. Hexagon, Cognizant, Coursera, L4G, GATI Intellect Systems Ltd., Pupil first Pvt. Ltd., JRSPF Technologies Pvt. Ltd., VisCommerce Pvt. Ltd., Code Chef, Navata Supply Chains Pvt. Ltd., etc.

The Institute also has furthered links with International Universities viz., Curtin University and Rowan University enabling enhancement of Research and Educational programmes at the Institute by establishing School of Excellence.

Placements:

We are delighted to share that, in spite of Global Pandemic crisis, CBIT Campus Placements Season for 2021-22 Graduating Batch started with a promising note making **1570 Offers in 88 reputed companies** for the first time in its 43 years of its glorious history. 11 students are placed in F5 Networks a Globally Reputed Software Product company with Rs.26.4 Lakhs Per Annum Package.

It is a pride moment that Global Players like JP Morgan Chase, Micron, Accolite, ServiceNow, Factset, Deloitte, Oracle, Goldman Sachs, InfyTQ - System Engineer, Mathworks, Amazon, Hack With Infy System Engineering Specialist (SES), Google, LTI and Loyalty Juggernaut, Jaro Education, Dr. Reddy's Lab, Capgemini, Wipro, Virtusa, Samsung R&D, Tata Advanced Systems, Verital Prime Labs, Care Allianz, Invesco, HUL, Accenture, Merilytics, Raam Group, Cognizant, Infosys, Cognizant Next, TCS, MRF, Modak Analytics, HCL Technologies Ltd., Pega Systems, Visa Inc., Ford Motors, ITC, TATA AIG, Hyundai Trans, Hitachi Energy, Medha Servo Drives, Vodafone, Orient Cement, Blue Star, Cloud4C, ICICI, Kotak Life Insurance, Innominds Software Pvt Ltd, completed their Campus placement Drives making **1570 Offers** with High Packages.

We are also happy to inform that reputed companies offered 365 Internships during the last academic year with a stipend of Rs.70-80,000 per month for the present final year Students.

Sl.No.	Year	No of Companies	No of Students Registered	No. Students Placed	% of Students Placed
1	2021-22	88	884	665	76%

Alumni:

The Institute is very keen to maintain a strong bond with its Alumni and started extending several facilities and services including start-ups. The Alumni of the Institute have made their alma mater proud through their

achievements and contributions in diverse fields and our engagements with them are steadily growing. Our Alumni base made significant contributions in their chosen Profession in particular and Society in general. Further, it is worthy to note that majority of our outgoing Students are either placed in reputed Multi-National Companies like Microsoft, Google, Oracle, Amazon and others such, through Campus Placements or pursuing Higher Education in renowned Universities in India and abroad.

The following are some of the activities of Alumni Association.

- Rejoicing Reunion - The Alumni Meet on 25th December every year.
- Silver Jubilee Celebrations for every batch.
- Scholarships to the economically poor & academically excellent students of CBIT.
- Organising Workshops / Seminars & Conferences.
- Organised 08 Guest Lectures by eminent Alumni in various fields.

Awards won:

In an endeavour to create an environment of teaching learning of high order, the Institute honoured its Best Teachers based on Teaching-Learning, Research and papers published, Ph. D. guidance, Extracurricular activities and feedback. This apart several academic Distinctions, Honours, Distinguished Fellowships, Associate-ships and Awards have been bestowed on our Faculty and Students in recognition of their academic achievement during the last Year. During the last Academic Year, our Faculty have completed 72 online Certification Courses.

1. Prof. M. Swamy Das, Joint Director-Academics (Informatics), awarded CMI Level 5 in Leadership and Management - UK-India Education and Research Initiative by AICTE & British Council.
2. Mrs. S. Durga Devi, Assistant Professor, CSE Dept., and Mr. R. Srikanth, Assistant Professor, CSE Department, nominated as Faculty Co-ordinators for Leadership in Teaching Excellence (LITE) programme by AICTE.
3. Dr. Rupesh Mishra appointed as Hon'ble Advisor on 28th Feb 2022 by Abonics India Pvt Ltd.
4. Dr.D.SARITHA Received BEST RESEARCH AWARD (For the Contribution and Honourable Achievement in Innovative Research), International Research Awards on New Science Inventions NESIN 2020 Awards (ScienceFather is a

trademark of Scifax company (Reg. No. 130116), Approved and Registered by Ministry of Corporate Affairs (MCA), Govt. of India.)

5. Dr.S.Shylaja Received Best Oral Presentation Award for the paper entitled “Catalytic Activity of Polyethylene Glycols on Oxidation of Biomolecules under Conventional and Non Conventional Conditions” in Sixth International Conference on Advances in Materials Science, organised by Post –Graduate Department of Physics and IQAC of RajeRamraoMahavidyalaya, Jath, Maharashtra, during 23rd & 24th April,2021.
6. Dr.S.Shylaja Received Best Paper Award for the paper entitled “Micelkles as efficient catalyst for the oxidation of xanthine alkaloids under conventional & nonconventional conditions” in International Conference on Advances in Science & Technology, organised by Instituteof Innovations, Thiruvannamalai, Tamilnadu, during 2nd & 3rd April,2021
7. Dr.A.D.Sarma, Dr.D.L.S.Reddy and Dr.D. Krishna Reddy got sponsored R & D Project grant with the amount of Rs.37, 04,360 from SERB, DST, New Delhi under CRG scheme.
8. Dr. D. Krishna Reddy, Dr.A.D.Sarma and Dr. P. Sateesh got sponsored R & D project grant with the amount of Rs. 19, 61,333 from AICTE under RPS Scheme.
9. Dr. D. Krishna Reddy and M. Rajendra Prasad have received Best Paper award for the paper titled “Trust Computational Methodology for an Internet of Things” International Conference on “Emerging Trends in Circuitbranch Technologies and Applications” virtually on 3rd-4th April 2021 at Chaitanya Bharathi Institute of Technology (A), Hyderabad.
10. Dr. M. Vinodh Kumarhas received the International scholarship award“Japan-East Asia Network of Exchange for Students and Youths (JENESYS) –2020 &2021 program” from Ministry of Foreign Affairs Japan. An initiative from Government of Japan under Japan's friendship ties program and is facilitated by American Field Service (AFS) intercultural program of India & Japan.
11. Dr. D. Krishna Reddy and Smt. D. Sony have received best paper award for the paper entitle “Design of Code Tracking Loop using Narrow Correlator for GNSS“ National Conference on Recent Trends in Engineering and Technology - 2021 (RTET - 2021) organized by the Department of Electrical and Electronics Engineering, KSRM College of Engineering (Autonomous) Kadapa in virtual mode on December 29th, 2021.
12. Dr. P. V. Prasad, Prof., EEE, received an award i.e. Person of the year- Researcher award from ISIE.

13. Dr. G. Suresh Babu, Head, EEE, received an award i.e. Outstanding contribution to Engineering Education Award from ISIE.
14. Dr. T. Sudhakar Babu, Assoc. Prof., EEE, got received consultancy of worth Rs. 20,00,000/-
15. Dr Y Rajasri was nominated as an Advisory member for implementation of Skill Vigyan Program, DBT,GOI at state level by Telangana State Council of Science and Technology(TSCOST) in 2021.

Student Activities :

The Institute has encouraged and enabled extra-curricular student activities to ensure that the students become well rounded. The goal is to produce individuals who are not only technically competent but also have expertise in a range of skills of the choosing.

There are 28Clubs for all round development of students. The major clubs under student activities are Social & Cultural, Science & Technology, Sports & Games, which remain active throughout the year.

Some of them are ASME, Chaitanya Samskruthi, CBIT-MUN (Model United Nations), Entrepreneurship Development Cell, Google Students Club, IEEE, ISTE, NSS Unit, Robotics & Innovations, SAE, Toastmasters, Engineer Without Borders, Parivrita, Energy Savers Club, Chaitanya Reethi, Chaitanya Svaasthya, Chaitanya Kruti, Chaitanya Srujana, Chaitanya Sahithi, Chaitanya Seva, Chaitanya Kreedha, Chaitanya Medha, Chaitanya Suraksha, and Chaitanya Sudhee.

Library & Information Centre :

The Institute's Library, housed in an independent Building with an Area of 18,000 Sq. Ft., with a spacious Reading Hall which accommodates more than 350 Students at a time. Functions as the Primary Information Resource Centre, a Repository of all Printed and E-Resources for Teaching and Research Activities, 3,000 Volumes of Books, 5000 + E-Journal Packages such as IEEE, ASME, ASCE, Access Engineering, ELSEVIER Science Direct, ASTM Digital Library, JGATE-JET, JGATE-JSMS, Springer, EBSCO for Engineering, MBA, MCA Courses as per the Guidelines of AICTE in addition to Hard Copy of National / International Journals, 30,000 E-Book and other open access Resources and a E-learning Resource Centre

with 30 Multimedia Systems to access NPTEL, MIT Online Courses and E. Journals.

Sports :

In the pursuit of academic success, students sometimes need a break from the classroom and an opportunity to release pent-up energy. While academic success is no small feat, students who participate in at least one extracurricular physical activity are proven to reap more benefits than those who do not exercise regularly.

CBIT is implementing the activities of Fit India Movement as per the Directions of MHRD to give a much-needed impetus to physical fitness and health of the Staff, Students and Stakeholders. Students are the future of the Country and should be physically and mentally fit. It is essential that a culture of physical fitness and good health is created within every Institute for Students, teaching & non-teaching staff etc., so that the campus vibrate with health and energetic people full of enthusiasm for learning. We have already designed the Schematic Plan and Action plan for implementing the Fit India Movement in the Institute.

Workshops, Conferences & Faculty Development Programmes:

Continuing Education is part of the CBIT's Outreach programmes created to extend its arm for the promotion and extension of the Science and Technology benefits to the Society, apart from its main focus of teaching and research. Faculty completed various online Certification Courses during this academic year.

During the last academic year **41** Conferences / Workshops & FDPs have been organised by the Institute. Our faculty attended for **856** Seminars / Conferences, Workshops and FDPs conducted by various Institutions. **37** faculty were delivered Guest Lectures in other Institutions. **297** Papers Published and **121** Papers were presented in various National and International Journals & Conferences.

Clearly, there is a lot happening in the Institute that its Faculty, Staff and Students, as well as its Well wishers and supporters can be truly proud of. However, we still have a long way to go. As we grow, we need to find new ways and means to retain and enhance our spirit of innovation, entrepreneurship and maintain an enthusiastic environment wherein

people feel empowered to do things, to innovate and to take on challenges.

A lot of what the Institute has achieved is possible due to tremendous hard work and confidence of the Faculty, Staff and Students of this Institute and faith and encouragement of its Board of Management, Governing Body Members and numerous well wishers of the Institute.

Thank You one and all