

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

Kokapet (Village), Gandipet, Hyderabad, Telangana - 500075.

IQAC ANNUAL REPORT 2020-2021



INTERNAL QUALITY ASSURANCE CELL – IQAC

www.cbit.ac.in



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INTERNAL QUALITY ASSURANCE CELL – IQAC

Vision

To ensure quality culture as the prime concern for the Higher Education Institutions through institutionalizing and internalizing all the initiatives taken with internal and external support.

Objective

The primary aim of IQAC is

1. To develop a system for conscious, consistent and catalytic action to improve the academic and administrative performance of the institution.
2. To promote measures for institutional functioning towards quality enhancement through internalization of quality culture and institutionalization of best practices.

Functions

- Development and application of quality benchmarks.
- Parameters for various academic and administrative activities of the institution.
- Facilitating the creation of a learner-centric environment conducive to quality education and faculty maturation to adopt the required knowledge and technology for participatory teaching and learning process.
- Collection and analysis of feedback from all stakeholders on quality-related institutional processes.
- Dissemination of information on various quality parameters to all stakeholders.
- Organization of inter and intra institutional workshops, seminars on quality related themes and promotion of quality circles.
- Documentation of the various programmes/ activities leading to quality improvement.
- Acting as a nodal agency of the Institution for coordinating quality-related activities, including adoption and dissemination of best practices.
- Development and maintenance of institutional database through MIS for the purpose of maintaining /enhancing the institutional quality.
- Periodical conduct of Academic and Administrative Audit and its follow-up.
- Preparation and submission of the Annual Quality Assurance Report (AQAR) as per guidelines and parameters of NAAC.



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1. INSTITUTE ACHIEVEMENTS IN 2020-21

1. The Institute has been participating in NIRF Rankings since 2016 and had been Ranked 133rd Position in the Engineering Category for the Year 2021.
2. CBIT is recognised in the band - Excellent under the Self Financed Pvt. Institutions in ARIIA 2021, a flagship programme by MoE, Govt. of India.
3. 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.
4. The institute is certified with, ISO 9001:2015 for Implementation of Quality Standards. The certificate was awarded in January, 2018 (Validity till 10/01/2021).
5. CBIT rated with “AA (Jan -Dec 2021):” and “Max. No. of Stars (Jan -Dec 2021)” by NPTEL.
6. CBIT 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.
7. 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.
8. 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”.

9. 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.
10. 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.
11. 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.
12. The publications (Scopus/WoS) by the faculty are summarised below:

| Calendar Year | 2019 | 2020 | 2021 |
|----------------------|-------------|-------------|-------------|
| Publications | 138 | 175 | 248 |
| Citations | 410 | 548 | 901 |

13. Department of ECE has been recognized as Nodal Centre under outreach program of Indian Institute of Remote Sensing (IIRS), ISRO, Dehradun.
14. 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.
15. Department of EEE developed 3 products (Covid Combat) in association with IMRC- Aayu, Ruja & Drutha.
16. CBIT has received an approval for establishment of Atal Community Innovation Centre and has been accorded a Grant-in- aid of Rs.2.22Crores for the ACIC-CBIT Research and Entrepreneurship Foundation established and registered by CBIT as Special Purpose Vehicle.
17. AICTE ATAL academy sanctioned three FDPs, 2 STTPs were conducted in the campus.

18. Two International Conferences were organized by the College and the 07 Projects are in progress and submitted 32 Project proposals to various sponsoring agencies.
19. 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.
20. R&E hub has procured Turnitin software towards to ensure the quality in publications, PhD and PG Theses.
21. So far the institute has filed 14 Patents out of which 2 Patents are under review for the granting.
22. 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.
23. The overall pass percentage for the academic year 2020-21 is 98.31% which includes 68.56% Distinctions and 26.73% First Classes.
24. There are 18 Clubs 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.



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2. IQAC NEWS 2020-21

NIRF Ranking 2021

Chaitanya Bharathi Institute of Technology secured 133rd position in the all-India National Level NIRF Ranking 2021, published by Ministry of Education.

NIRF 2021 RANK Certificate



ISO Certification

ISO Certification was issued to Chaitanya Bharathi Institute of Technology, Hyderabad, for the streamlined processes of the college office. Certification was awarded on 11 January, 2018 (Expiry Date: 10-01-2021), after necessary preparations and scrutiny.



Innovation Ranking: 4 Stars

Chaitanya Bharathi Institute of Technology, Hyderabad was ranked with 4 Stars by Ministry of Education and MoE's Innovation Cell for the activities taken up for innovations and Start-ups during the IIC calendar year 2020-21.





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3. QUALITY INITIATIVES BY IQAC

Preparation of Academic Calendar

IQAC ensured timely preparation and release of college academic calendar for the year 2020-2021. Inputs and scheduling of various events were collected from Governing council, academic council, office of the Controller of Examinations, college council, principal, departments, cells and clubs. Academic Calendar took into consideration the curricular, co-curricular and extra-curricular activities in the Institute and the proposed examination schedules.

Academic and Administrative Audit

In pursuit of the commitment of the college towards quality improvement, IQAC initiated Academic and Administrative Audit. The audit reports and analysis were taken up for corrective and enhancive measures by the institution.

Accreditation Initiatives - NBA Accreditation

Extension of NBA accreditation of 8 UG programs B.Tech-Chemical Engineering, B.E-Information Technology, B.E-Computer science & Engineering, B.E-Civil Engineering, B.E-Electronics & Communication Engineering, B.E-Electrical & Electronics Engineering, B.E-Mechanical Engineering and B.E-Production Engineering for one year upto 30-06-2021.

UG Programs - NBA Accreditation Certificate:

NATIONAL BOARD OF ACCREDITATION

NBCC Place, East Tower, 4th Floor, Bisham Pitamah Marg,
Pragati Vihar, New Delhi-110 003
Tel: +91 11 2436 0620-22, 2436 0654 ; Telefax: +91 11 4308 4803
Website: www.nbaiind.org



Date: 27-10-2020

File No. 11-35-2010-NBA

To
The Principal
Chaitanya Bharathi Institute of Technology,
Post Office Kokapet, Village Gandipet
Hyderabad-500075,
Telangana

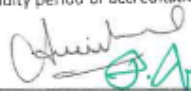
Subject: Grant of accreditation of one year in case of UG Engineering programs in Tier II offered by Chaitanya Bharathi Institute of Technology, Post Office Kokapet, Village Gandipet, Hyderabad-500075, Telangana on the basis of Compliance Report.

Sir,
This is regarding Compliance Reports submitted by Chaitanya Bharathi Institute of Technology, Post Office Kokapet, Village Gandipet, Hyderabad-500075, Telangana for the UG Engineering programs which were accredited by NBA in Tier-II for academic years 2017-18 to 2019-20 whose validity has expired on 30.06.2020.

2. The National Board of Accreditation (NBA) has decided that in all cases of UG Engineering programs which were accredited in Tier I/Tier II for a period of 3 years upto 30-06-2020 and for which the concerned institutions have submitted Compliance Reports but their visits for data verification of the programs are pending because of the current pandemic situation due to Corona virus, the programs will be considered for accreditation of one year i.e. upto 30-06-2021 after data verification of the programs in NBA on the basis of the submitted Compliance Reports. The data submitted by Chaitanya Bharathi Institute of Technology, Post Office Kokapet, Village Gandipet, Hyderabad-500075, Telangana in the Compliance Reports has been examined and verified in NBA. Based on the same, the Competent Authority in NBA has approved the following accreditation status to the programs as given in the Table below:

| Sl. No. | Name of the Program(s) [UG] | Basis of Evaluation | Accreditation Status | Period of validity | Remarks |
|---------|---|---------------------|----------------------|--|--|
| (1) | (2) | (3) | (4) | (5) | (6) |
| 1. | Chemical Engineering | Tier-II | Accredited | Academic Year 2020-2021 i.e. upto 30-06-2021 | Accreditation status granted is valid for the period indicated in Col.5 or till the program has the approval of the competent authority, whichever is earlier. |
| 2. | Information Technology | | Accredited | | |
| 3. | Computer Science & Engineering | | Accredited | | |
| 4. | Civil Engineering | | Accredited | | |
| 5. | Electronics & Communication Engineering | | Accredited | | |
| 6. | Electrical & Electronics Engineering | | Accredited | | |
| 7. | Mechanical Engineering | | Accredited | | |
| 8. | Production Engineering | | Accredited | | |

3. It may be noted that only students who graduate during the validity period of accreditation, will be deemed to have graduated with an NBA accredited degree.


Contd./...

Principal
Chaitanya Bharathi Institute of Technology
(Autonomous)
Gandipet, Hyderabad-500 075.

4. ACTIVITIES CONDUCTED BY IQAC

Conferences, Seminars, Workshops on quality conducted

1. Seminar on “Be Beyond Being - Being Innovative in an Entrepreneurial Journey” on 28-05-2021.
2. One week FDP on “Bharateeya Chaitanya” organized by Geervana Bharathi of Chaitanya Samskruthi during 29-06-2020 to 05-07-2020.
3. Guest lecture on "Entrepreneurship" on 12-02-2021 by Dr.Zahoorullah.S.MD, Chief innovation officer, ATAL Incubation Centre, ALEAP Industrial estate JNTU, Kukatpally, Hyderabad.

5. FEEDBACK MECHANISM

Feedback on Curriculum

Feedback on curriculum by the students, faculty, alumni and employers was collected and analysed. The analysis reports were given to the academic Directors to be communicated to the respective Boards of Studies for further consideration.

Feedback on Teachers and Teaching

Feedback on teachers and teaching-learning process in the institute was taken from students in online mode through college ERP and direct feedback also. The analysis of the feedback was evaluated and made available to the respective teachers for further improvement in the teaching learning process. Principal took corrective and enhance measures with the individual teachers wherever necessary.

Exit Survey from Outgoing Students

In view of bettering the academics, infrastructure, services and co-curricular ambience in the institution, an Exit survey was conducted among the out-going students. The survey consisted of two sections; the first enquires about the achievement of student learning outcomes and the second asks about satisfaction with various aspects and services of the college.

Outcome Attainment Analysis under OBE Scheme

In continuation of the implementation of Outcome-Based Education at Chaitanya Bharathi Institute of Technology, the attainment of outcomes was assessed for the batches and students who passed out in April-May, 2021. From the assessment of Course Outcomes, attainment of Programme Outcomes and Programme Specific Outcomes was calculated. The analysis reports were made available to all departments by IQAC.

6. FACULTY DEVELOPMENT PROGRAMMES

Faculty Orientation Programme

- One Week Online Faculty Development Programme on “Student Induction & Human Values (SI&HV)” has been organized by the Department of Physics, Chaitanya Bharathi Institute of Technology, Hyderabad during 26-30th August, 2020.



Valedictory of FDP on “Student Induction & Universal Human Values (SI&UHV)”.



7. STUDENT ENRICHMENT PROGRAMMES

Student Induction Programme (SIP)

Chaitanya Bharathi Institute of Technology, Hyderabad organized the Student Induction Programme (SIP) as per the norms of AICTE to provide an orientation to the first-year engineering students who joined the institution for the four years B.E/B.Tech program. The one-week Orientation program followed by Student Induction Program was conducted from 25.11.2020 to 04.12.2020 in online and offline mode, following all the safety measures as mandated by AICTE and the state government.

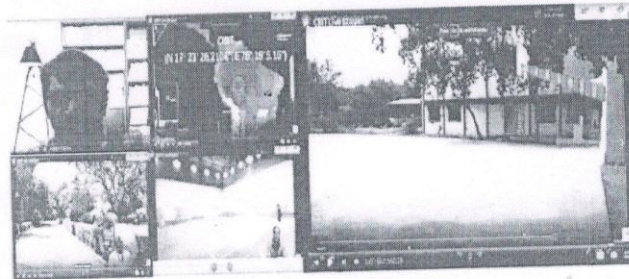


Address by the Principal, HoDs and Directors during the orientation program


Department-level meetings for the respective programs were conducted where students were provided an orientation towards the vision and mission of their departments, curriculum, internship, minor degree, honors degree, objectives, deliverables, activity points, R20 rules and regulations, Code of conduct, etc. The faculty also introduced themselves and talked about their subjects and areas of specialization.

From 27 November 2020 to 04 December 2021 the SIP was conducted online, every day from 10:30 AM to 4:00 PM.

On 27-11-2020, Sri G.Nataraj, Faculty in Physics, presented the virtual tour of the campus for the students to get an insight of the different blocks, facilities of the campus.



Virtual tour Presentation of the campus


Prof. N. V. Koteswara Rao
Director- IQAC



Prof. P. Ravinder Reddy
Principal & Chairman, IQAC

Principal

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IQAC-CBIT

