

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

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

IQAC ANNUAL REPORT 2019-2020



INTERNAL QUALITY ASSURANCE CELL – IQAC

www.cbit.ac.in



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(Autonomous)

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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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INDEX

S. No.	Contents	Page No.
	INTERNAL QUALITY ASSURANCE CELL – IQAC-----	2
	Vision-----	2
	Objective-----	2
	Functions-----	2
1.	INSTITUTE ACHIEVEMENTS IN 2019-20-----	4-6
2.	IQAC NEWS 2019-20-----	7
	NIRF Ranking 2020-----	7
	ISO Certification-----	8
	Innovation Ranking-----	9
3.	QUALITY INITIATIVES BY IQAC-----	10
	Preparation of Academic Calendar-----	10
	Academic and Administrative Audit-----	10
	Green, Energy and Environment Audit-----	10-12
	Accreditation Initiatives - NBA Accreditation-----	13
4.	ACTIVITIES CONDUCTED BY IQAC-----	14
	Collaborative quality initiatives with other institutions-----	14
	Conferences, Seminars, Workshops on quality conducted-----	14
5.	Feedback Mechanism-----	15
6.	Faculty Development Programmes-----	16
7.	Student Enrichment Programmes-----	17



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1. INSTITUTE ACHIEVEMENTS IN 2019-20

1. The Institute has been participating in NIRF Rankings since 2016 and had been Ranked 124th Position in the Engineering Category for the Year 2020.
2. 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).
3. The Institute is ranked 10th among the Top Private Engineering Colleges in India, South Zone by "THE WEEK" Magazine of June 2019 edition and 36th out of top 100 Engineering Colleges in the Country and First in Telangana State by "OUTLOOK" Magazine of June 2019 edition.
4. The publications (Scopus/WoS) by the faculty are summarised below:

Calendar Year	2019	2020
Publications	138	175
Citations	410	548

5. The Institute signed 59 MoUs with various Universities, Industries & organisations for exploring areas of collaboration and co-operation.
6. CBIT has established an Institution Innovation Council of MHRD and MHRD to work towards the aim of the Council.
7. A total of 13 Patents were filed and published. More than 800 Papers were published by our Faculty. 250 Students are pursuing their PhD. under the guidance of our Faculty. More than 25 Sponsored Projects are under progress.
8. The institute has filed 13 Patents and all are published.
9. The Institute is Pioneering the development of an Artificial Heart in Collaboration with Pittsburgh University and Cornell University, USA.
10. In the Research and Entrepreneurship Hub; MHRD - Institute Innovation Cell (IIC), MSME- Business Incubation (BI), Hexagon 3D Innovation Lab,

Cognizant Innovation Lab and Robotic Process Automation Lab and Centre of Excellence in IoT and Cyber Security have been established for the Students and Faculty to pursue their Research Interests.

11. Established Informal Sanskrit Learning Centre in which Certificate will be issued by MHRD.
12. Established NPTEL Local Chapter.
13. Five Digital Boards have been installed and some Faculty are undergoing online training for Digital Pedagogy.
14. Navigation and Communication Research Centre' is established and is executing several sponsored / Consultancy Projects from DRDO, ISRO, AICTE with a total of Rs.13,96,750/- worth of on-going Projects have been sanctioned to the Institute from different funding agencies.
15. Research Day was celebrated in the Campus of CBIT on 23rd August, 2019. Prof. David Gibson, Director of Learning Futures, Curtin University, Australia, has inaugurated the event and addressed the gathering that included researchers, faculty, students, delegates from Academia, Industry, R&D Organisations, representing various states of the Country. Dr. A. D. Sarma, Director-R&D, CBIT, has confirmed that a total of 465 delegates participated in the event. About 250 papers and 107 posters were presented while 103 products were demonstrated.
16. Department of MSME, under the Ministry of Human Resource Development has approved CBIT as the Host Institute for establishing the Incubation Centre at the Research and Development Hub. We have already uploaded 35 Project Ideas from Students and Faculty and further 50 are being evaluated for uploading.
17. The Atal Community Innovation Centre - CBIT has advanced to the next level of being approved and Presentations were done for final consideration. Our application is shortlisted for defending the same before a Screening-cum-Selection Committee (SSC) of ACIC at Atal Innovation Mission, NITI Aayog.
18. CBIT has been recognized as US-Council Authorized Training Centre. Some of our Faculty are deputed for training in the IoT and Cyber Security Courses.
19. CBIT has been recognized as the Institution for carrying out Joint Research, Science, Technology and Innovation activities in areas of common interest, by Telangana State Council of Science & Technology (TSCOST), Environment,

Forests, Science & Technology Department, Government of Telangana. We have already identified 20 core areas in the Form of Projects and submitted the same for approval. The funding will be from TSCOST, financed by MHRD.

20. During the last academic year 52 Conferences / Workshops & FDPs have been organised by the Institute. Our faculty attended for 113 Seminars / Conferences & Workshops conducted by various Institutions. 38 faculty were delivered Guest Lectures in other Institutions. 194 Papers Published and 30 Papers were presented.
21. 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 2019-20

NIRF Ranking 2020

Chaitanya Bharathi Institute of Technology secured 124th position in the all-India National Level NIRF Ranking 2020, published by Ministry of Education.

NIRF 2020 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:

Chaitanya Bharathi Institute of Technology, Hyderabad was ranked with 2.5 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 2019-20.



[Home](#) / [At a Glance](#)

List of Institutions Innovation Council(IIC) with STAR Ratings for the IIC Calendar Year 2019-20

S.No.	IIC ID	Institute Name	City	State	Zone	Star Rating
70	IC201810509	Chaitanya Bharathi Institute of Technology	HYDERABA D	Telangana	South- Central/SC RO	★★★★☆



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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 2019-2020. 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 enhanceive measures by the institution.

Green, Energy and Environment Audit

In pursuit of the commitment of the college towards green initiatives, IQAC initiated Green, Energy and Environment Audits with the support of authorized external auditing agency during the academic year. The audit was conducted by Hym International Certifications Pvt. Ltd, Hyderabad. The audit reports and analysis were taken up for corrective and enhanceive measures by the institution.

ENERGY AUDIT CERTIFICATE:



12.04.2019

SUMMARY OF THE AUDIT


As per the request Chaitanya Bharathi Institute of Technology (A), a detailed Energy audit has been conducted at Chaitanya Bharathi Institute of Technology from 10-04-2019 to 11-04-2019.

Observations:

- Solar Energy production in roof top
- Solar powered street lights
- Awareness programmes conducted in the institute

Recommendations to the Institute:

- Replace the conventional lights with LED lights
- Install more Energy Conserving devices


HYM International Certifications (P) Ltd

HYM International Certifications Pvt. Ltd.

Corporate Office: Plot No. 1634, Plot Area: 201, Adasgutta Society, Wakalipally, Hyderabad-72, INDIA.
Mobile: 96091 92420 / 96376 92420 / 96324 92420 | Email: swadesh@hymcertifications.com, hym@hymcertifications.com | www.hymcertifications.com



Star Certifications: ISO 9001:2015 | ISO 14001:2015 | ISO 22000:2018 | ISO 27001:2017 | ISO 21001:2018 | ISO 10002:2018 | ISO 57801:2018 | ISO 30001:2018 | ISO 13485:2018 | ICAAP: 2018

GREEN AND ENVIRONMENT AUDIT CERTIFICATE:



12.04.2019

SUMMARY OF THE AUDIT

As per the request Chaitanya Bharathi Institute of Technology (A), a detailed Green and Environment audit has been conducted at Chaitanya Bharathi Institute of Technology from 10-04-2019 to 11-04-2019.

Observations:

- Maintenance of diversity in greenery in the campus
- Conduct regular water analysis tests
- Awareness programmes conducted in the institute through environmental club on significant days

Recommendations to the Institute:

- Identify green zones throughout the campus
- Construct Rainwater harvesting pits
- Increase the diversity of greenery by introducing herbal plants



HYM International Certifications (P) Ltd

HYM International Certifications Pvt. Ltd.

Corporate Office : P/15, 1st GA, Flat No. 201, Aditya Society, Akatpalya, Hyderabad-50, INDIA.
Mobile : 98661 52420 / 98026 92426 / 90324 92420 Email : se@hymcert.com, hym@hymcert.com | www.hymcert.com

Our Certifications : ISO 9001 | ISO 14001 | ISO 45001 | ISO 22000 | ISO 17001 | ISO 21001 | ISO 10092 | ISO 57001 | ISO 20001 | ISO 13485 | HACCP, GMP



Accreditation Initiatives - NBA Accreditation

NBA accreditation of 3 PG programs M.E-CAD/CAM, M.E-Communication Engineering and M.E-Embedded System and VLSI for period of 3 years from the academic years 2019-20 to 2021-22 i.e. up to 30-06-2022.

PG Programs - NBA Accreditation Certificate:

NATIONAL BOARD OF ACCREDITATION

NBCC Place, East Tower, 4th Floor, Bhisham Pitamah Marg,
Pragati Vihar, New Delhi-110 003
Tel: +91 11 2436 0620-22, 2436 0654 ; Telefax: +91 11 4308 4903
Website: www.nbaiind.org



File No: 11-35-2010-NBA

Date: 30-01-2020

To,

The Principal
Chaitanya Bharathi Institute of Technology,
Gandipet, Hyderabad- 500075,
Telangana

Subject: Accreditation status of programs applied by Chaitanya Bharathi Institute of Technology, Gandipet, Hyderabad-500075, Telangana.

Sir,

This has reference to your application I.D. No. 3919-02/08/2019 seeking accreditation by National Board of Accreditation to PG Engineering program offered by Chaitanya Bharathi Institute of Technology, Gandipet, Hyderabad-500075, Telangana.

2. An Expert Team conducted on-site evaluation of the programs from 13th-15th December, 2019. The reports submitted by the Expert Team was considered by the concerned Committees constituted for the purpose in NBA. 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) (PG)	Basis of Evaluation	Accreditation Status	Period of validity	Remarks
(1)	(2)	(3)	(4)	(5)	(6)
1.	CAD/CAM	May, 2017 Document	Accredited	Academic Years 2019-2020 to 2021-2022 i.e. Up to 30-06-2022	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.	Communication Engineering		Accredited		
3.	Embedded System & VLSI		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.

4. The accreditation status awarded to the programs as indicated in the above table does not imply that the accreditation has been granted to Chaitanya Bharathi Institute of Technology, Gandipet, Hyderabad- 500075, Telangana as a whole. As such the Institution should nowhere along with its name including on its letter head etc. write that it is accredited by NBA because it is program accreditation and not Institution accreditation. If such an instance comes to NBA's notice, this will be viewed seriously. Complete name of the program(s) accredited, level of program(s) and the period of validity of accreditation, as well as the Academic Year from which the accreditation is effective should be mentioned unambiguously whenever and wherever it is required to indicate the status of accreditation by NBA.

6. The accreditation status of the above programs is subject to change on periodic review, if needed by the NBA. It is desired that the relevant information in respect of accredited programs as indicated in the table in paragraph 2, appears on the website and information bulletin of the Institute.

7. The accreditation status awarded to the programs as indicated in table in paragraph 2 above is subject to maintenance of the current standards during the period of accreditation. If there are any changes in the status (major changes of faculty strength, organizational structure etc.), the same are required to be communicated to the NBA, with an appropriate explanatory note.

8. A copy each of the Reports of respective Chairmen of the Visiting Teams and Evaluators' Reports in respect of the above programs is enclosed.

Contd/-

4. ACTIVITIES CONDUCTED BY IQAC

Collaborative quality initiatives with other institutions

1. Collaboration with HEXAGON 3D INNOVATION LAB for three years from 2017-18 to 2019-20 under its CSR policy is committed to improving the quality of education which benefits the students in particular and the society in general by contributing to educational infrastructure, training and facilities through partnership with institutions, colleges, universities and government and quasi government agencies.
2. Collaboration with Jawaharlal Nehru Technological University Kakinada for three years from 2017-18 to 2019-20 to create expertise and cater growing Marine Navigation and Communication research needs in India and abroad.

Conferences, Seminars, Workshops on quality conducted

1. One Week online Faculty Development Program on “Outcome Based Education and NBA accreditation process-(UG)” during 28-05-2020 to 01-06-2020.
2. Workshop on “Patent searching skills” on 20-07-2019 organized by the department of Biotechnology, Chaitanya Bharathi Institute of Technology, Hyderabad.
3. Alumni talk on “Strategizing research plans based on multidisciplinary approach case study on combating Alzheimer’s disease” on 23-12-2019 organized by the department of Biotechnology, Chaitanya Bharathi Institute of Technology, Hyderabad.
4. Workshop on “How to develop a smart and confident personality” on 23-01-2020 & 03-02-2020 at Chaitanya Bharathi Institute of Technology, Hyderabad.
5. Seminar on “Innovation & IPR” on 04-03-2020 by Institute Innovation Council (IIC-CBIT), Chaitanya Bharathi Institute of Technology, 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 2020. 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 "Universal Human Values & Ethics" has been organized by the Department of Physics, Chaitanya Bharathi Institute of Technology, Hyderabad during 15-19th July, 2019.



Keynote Address: "Need for value education" by Prof. Sreenivas Sarma



Address by the Principal, Prof. Ravinder Reddy at the Valedictory function

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 07.08.2019 to 20.08.2019 in offline mode, following all the safety measures as mandated by AICTE and the state government.



Inauguration of Students Induction Program



Address by Prof. P. Sreenivasa Sarma on Code of Conduct

Prof. Suresh Pabboju
Coordinator- IQAC

Prof. P. Ravinder Reddy
Principal & Chairman, IQAC

Principal

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