

# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

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

## IQAC ANNUAL REPORT 2018-2019



### INTERNAL QUALITY ASSURANCE CELL – IQAC

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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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## INTERNAL QUALITY ASSURANCE CELL – IQAC

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## 1. INSTITUTE ACHIEVEMENTS IN 2018-19

1. The Institute has been participating in NIRF Rankings since 2016 and had been Ranked 100<sup>th</sup> Position in the Engineering Category for the Year 2019.
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. CBIT continues to be ranked as First among the top Private Engineering Institutions in the State of Telangana & ranked 7<sup>th</sup> in Top 20 Engineering Colleges in South Zone and 31<sup>st</sup> among the top 150 Engineering Institutions in India as per the survey conducted by i3RC Times Engineering Top Private Engineering Institutions rankings, released on 28.05.2018.
4. CBIT ranked 35<sup>th</sup> out of top 100 Engineering Colleges in the country and First in the State as per the survey conducted by the "OUT LOOK" Magazine June 2018 edition.
5. CBIT ranked 59<sup>th</sup> out of top 100 Engineering Colleges in the country including IITs & NITs and 1<sup>st</sup> in Telangana State and 16<sup>th</sup> among the Top Private Engineering colleges in India and 11<sup>th</sup> among the Top Private Engineering Colleges in South Zone as per the Survey conducted by "THE WEEK" Magazine June 2018 edition.
6. All 9 UG Engineering and 5 PG Engineering Programmes are accredited by NBA whereas all the UG Engineering programmes are accredited for 5<sup>th</sup> time. CBIT is accredited by NAAC twice and secured A grade by UGC for five years.
7. The publications (Scopus/WoS) by the faculty are summarised below:

Calendar Year	2018	2019
Publications	110	138
Citations	288	410

8. Centres of Excellence on 'Navigation and Communication Research Centre' is established and is executing several sponsored/consultancy projects from DRDO, ISRO, AICTE etc., A total of Rs.1,42,67,462/- worth of on-going projects have been sanctioned to the Institute from different funding agencies.
9. A total of Rs. 34,86,472/- worth of Consultancy activity was performed during this academic year.
10. A total of 11 patents were filed and published out of which 7 were filed during the academic year.
11. CBIT obtained 8 Trade Marks till date for its Logo, Label , Word mark and Label with Logo etc.
12. CBIT has established an Institution Innovation Council of MHRD and MHRD to work towards the aim of the Council.
13. The Institute signed 53 MoUs with various universities, industries & organisations for exploring areas of collaboration and co-operation.
14. Established NPTEL Local Chapter.
15. During the academic year 41 Conferences / Workshops & FDPs have been organised by the Institute. Our faculty attended for 80 seminars / conference & workshops conducted by various institutions. 35 faculties were delivered Guest Lectures in other Institutions. 03 faculties were chaired different sessions.
16. 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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### INTERNAL QUALITY ASSURANCE CELL - IQAC

## 2. IQAC NEWS 2018-19

### NIRF Ranking 2019

Chaitanya Bharathi Institute of Technology secured 100<sup>th</sup> position in the all-India National Level NIRF Ranking 2019, published by Ministry of Education.

#### NIRF 2019 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.





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### **INTERNAL QUALITY ASSURANCE CELL - IQAC**

## **3. QUALITY INITIATIVES BY IQAC**

### **Preparation of Academic Calendar**

IQAC ensured timely preparation and release of college academic calendar for the year 2018-2019. 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: swadashakti200@gmail.com, hym@hymcertifications.com | www.hymcertifications.com

Star Certifications: ISO 9001:2008, ISO 14001:2004, ISO 22000:2005, ISO 27001:2005, ISO 21001:2010, ISO 10002:2005, ISO 57801:2010, ISO 20000:2010, ISO 13485:2003, ICAQP, GBIF



## 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, 1<sup>st</sup> GA, Flat No. 201, Adarsh Society, Akatpalya, Hyderabad-72, INDIA.  
Mobile : 98461 52420 / 98026 92426 / 90324 92420 Email : [se@hymcert.com](mailto:se@hymcert.com), [hym@hymcert.com](mailto:hym@hymcert.com) | [www.hymcert.com](http://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 | HALAL & GMP



## Accreditation Initiatives - NBA Accreditation

NBA accreditation of 3 PG programs M.E-CSE, M.E-Communication Engineering and M.E-Power Systems & Power Electronics extended and M.E-CAD/CAM for one year 2018-19 i.e. up to 30-06-2019.

### PG Programs - NBA Accreditation Certificate:

#### NATIONAL BOARD OF ACCREDITATION

NBCC Place, East Tower, 4<sup>th</sup> Floor, Bhisham Pitamah Marg,  
Pragati Vihar, New Delhi-110 003  
Tel: +91 11 2438 0620-22, 2438 0654 ; Telefax: +91 11 4308 4903  
Website: www.nbaiind.org



File No: 11-35-2010-NBA

Date 25-09-2018

To

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

Subject: Extension of the Period of Accreditation Status granted to PG Engineering Programs offered by Chaitanya Bharathi Institute of Technology, Chaitanya Bharathi Post Office, Kokapet Village Gandipet Hyderabad- 500075, Telangana.

Sir,

This has reference to NBA's letter of even number dated 08-07-2016 under which some PG Engineering program offered by your institution were granted provisional accreditation for 2 years in Tier-II by National Board of Accreditation.

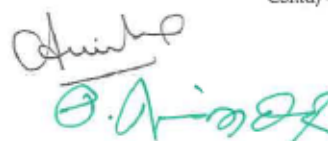
2. National Board of Accreditation (NBA) has decided that in all cases where PG Engineering program(s) of an Institution were granted provisional accreditation for a period of 2 years the period of provisional accreditation of these program(s) shall be extended from 2 to 3 years subject to the condition that they meets the essential Pre-visit qualifiers submitted by Chaitanya Bharathi Institute of Technology, Chaitanya Bharathi Post Office, Kokapet Village Gandipet Hyderabad- 500075, Telangana. The following PG Engineering programs meets the essential parameters of pre-qualifiers. Accordingly, 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.	Computer Science & Engineering	Tier-II Document	Accredited	Academic Years 2018-2019 i.e. up to 30-06-2019	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.	Power Systems & Power Electronics		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 programs have been granted accreditation for one more year. Chaitanya Bharathi Institute of Technology, Chaitanya Bharathi Post Office, Kokapet Village Gandipet Hyderabad- 500075, Telangana should submit the Compliance Report at least six months before the expiry of validity of accreditation mentioned above to be eligible to be considered by the concerned Committee in NBA for further processing of the accreditation status. This could entail further extension of accreditation or a revisit, as deemed appropriate by NBA Committees.

Contd/-



## PG Program M.E-CAD/CAM - NBA Accreditation Certificate:

### NATIONAL BOARD OF ACCREDITATION

NBCC Place, East Tower, 4<sup>th</sup> Floor, Bhisham Pitamah Marg,  
Pragati Vihar, New Delhi-110 003  
Tel: +91 11 2436 0620-22, 2436 0854 ; Telefax: +91 11 4308 4903  
Website: www.nbaiind.org



File No: 11-35-2010-NBA

Date 10-10-2018

To

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

Subject: Extension of the Period of Accreditation Status granted to PG Engineering Programs offered by Chaitanya Bharthi Institute of Technology, Chaitanya Bharathi Post Office, Kokapet Village Gandipet Hyderabad- 500075, Telangana.

Sir,

This has reference to NBA's letter of even number dated 08-07-2016 under which some PG Engineering program offered by your institution were granted provisional accreditation for 2 years in Tier-II by National Board of Accreditation.

2. National Board of Accreditation (NBA) has decided that in all cases where PG Engineering program(s) of an Institution were granted provisional accreditation for a period of 2 years the period of provisional accreditation of these program(s) shall be extended from 2 to 3 years subject to the condition that they meets the essential Pre-visit qualifiers submitted by Chaitanya Bharthi Institute of Technology, Chaitanya Bharathi Post Office, Kokapet Village Gandipet Hyderabad- 500075, Telangana. The following PG Engineering program meets the essential parameters of pre-qualifiers. Accordingly, the competent authority in NBA has approved the following accreditation status to the program 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.	Computer Aided Design & Manufacturing	Tier-II Document	Accredited	Academic Years 2018-2019 i.e. up to 30-06-2019	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

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 program has been granted accreditation for one more year. Chaitanya Bharthi Institute of Technology, Chaitanya Bharathi Post Office, Kokapet Village Gandipet Hyderabad- 500075, Telangana should submit the Compliance Report at least six months before the expiry of validity of accreditation mentioned above to be eligible to be considered by the concerned Committee in NBA for further processing of the accreditation status. This could entail further extension of accreditation or a revisit, as deemed appropriate by NBA Committees.

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. On-line Short Term Training program on “Development of Laboratory Instruction and Manual” for Teaching and Non-Teaching faculty during 04-02-2019 to 08-02-2019 by Departments of CSE & EEE, Chaitanya Bharathi Institute of Technology, Hyderabad in Association with NITTTR.
2. 5-Day On-line Short Term Training program on “NBA Accreditation through ICT mode” from 22-04-2019 to 26-04-2019 in Association with NITTTR at 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 2019. 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 " has been organized by the Department of Physics, Chaitanya Bharathi Institute of Technology, Hyderabad during 2-6th July, 2018.



*A group photo of the participants with the Convener*

#### Faculty Development Programme on UNIVERSAL HUMAN VALUES SCHEDULE

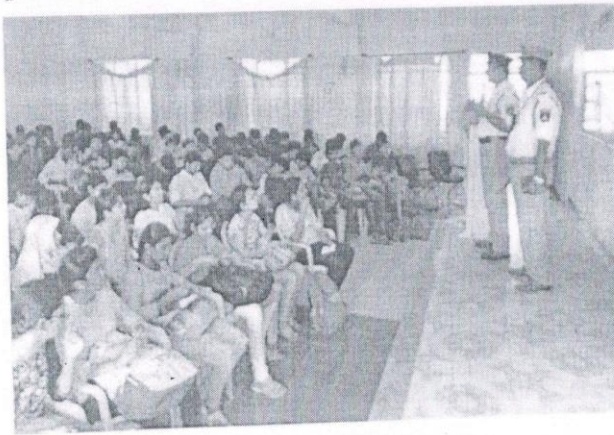
S. No.	Day / Date	Morning Session		Evening Session	
1.	Day-1: 02-7-2018	10:00AM-01:00 PM	Inaugural Session & Key note Address	02:00 – 04:00 PM	The role of UHV in technical education – Prof. K. Krishnaveni
2.	Day-2: 03-7-2018	10:00AM-12:00 PM	Need for value education Program -Prof. P. Sreenivas Sarma	02:00 – 04:00 PM	Mulya Pravah -Dr. G. Suresh Babu, CBIT, Hyderabad
3.	Day-3: 04-7-2018	10:00AM-12:00 PM	Happiness and Basic Human Aspirations -Prof. P. Sreenivas Sarma	02:00 – 04:00 PM	Harmony -Dr. A.V.N. Rao
4.	Day-4: 05-7-2018	10:00AM-12:00 PM	Trust & Respect --Dr. A.V.N. Rao	02:00 – 04:00 PM	Society and Nature --Dr. G. Suresh Babu, CBIT, Hyderabad
5.	Day-5: 06-7-2018	10:00AM-12:00 PM	Professional Ethics -Prof P. Sreenivas Sarma, CBIT, Hyderabad	02:00 – 04:00 PM	Valedictory & Feedback

  
 Department of Physics  
 Chaitanya Bharathi Institute of Technology (A)  
 Gandipet, Hyderabad-500 075.

## 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 28.07.2018 to 11.08.2018 in offline mode, following all the safety measures as mandated by AICTE and the state government.



*Awareness on Road Safety by TTI, Gachibowli*

Media Coverage



Translation

Yoga Classes in CBIT

There was an orientation programme on Yoga in Chaitanya Bharathi Institute of Technology. Yoga Guru Mr. Prathap enlightenred the students and staff about the benefits of Yoga and its importance in leading a healthy life. He conducted a practical session with the people present.

**Prof. Suresh Pabboju**  
Coordinator- IQAC

**Prof. P. Ravinder Reddy**  
Principal & Chairman, IQAC

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

