

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A)-HYDERABAD
IQAC External Peer Team Report (Year: 2020-2021)

As per the request made by the IQAC of the college to the External Peer team members, the peer team visited Chaitanya Bharathi Institute of Technology (Autonomous), Kokapet(V), Gandipet(M), Hyderabad - 500075 on 20-08-2021 and interacted with the Head of the Institution, Directors, Heads of the departments, CoE, Section Heads, faculty and staff of the college. The team reviewed the functioning of the mandatory bodies and the documents concerning the unique initiatives and transparent system developed.

The following documents were verified and noted the regularity and functioning of the mandatory bodies in view of the stipulated UGC guidelines:

- a) The Autonomous Report of the college submitted to UGC for the extension of Autonomy
- b) The timely submitted Annual Quality Assurance Reports (AQAR)
- c) Minutes of the Governing Body, Academic Council, Board of Studies and Finance Committee.
- d) Audited statements of expenditure.
- e) The minutes of IQAC.
- f) Department Academic Audit Reports.

The committee has made the following observations after its interaction and review of documents:

1. The Institute has restructured engineering curriculum, R-20, that is in force from 2020-21 academic year based on the guidelines provided by AICTE's model curriculum. Accordingly, the institute has developed the model curriculum(R-20) with 160 credit points for UG programs and 68-112 credits for various streams of Postgraduate Programs.
2. A provision was also evidenced to complete online certification courses through MOOCs (Proctored exam only) for academic credit transfer. Students will be allowed from I semester to VIII semesters for a maximum of 20% of the credits in each semester, which will be included in the academic credits within the framework of 160. The curriculum(R-20) has also made a provision for the students to attain "Honors" or "Additional Minor Engineering" degree by pursuing MOOCs courses. The R-20 curriculum is also enriched with courses like Engineering Exploration, Community Engagement, Universal Human Values-2, Mandatory Internships and activity points (e-portfolio).
3. Faculty Preparedness:

Major part of the class work and assessment for all UG and PG programs in the institute was conducted as per the schedule, despite the COVID-19 tumult. The class work for the academic year 2020-21 has been conducted in blended (online+ offline) mode for theory and labs.

Course material and faculty video lectures are made available in the LMS, which can also be accessed/browsed through the CBIT library page.

CBIT has procured 100 user accounts with Webex Academic bundle with maximum capacity of 1000 participants in each of the account. Institute had also purchased ERP evaluation software to conduct the digital evaluation.

4. To monitor the ongoing Teaching Learning Activity continuously and for effective implementation of OBE, a new initiative named 'Semester Readiness Program (SRP) was introduced. To ensure the quality of TLP and assessment, a three level internal academic auditing process by IQAC was also introduced.
5. Quality in Publications and Citations of Faculty Publications: The present status of publications (As on 31st May 2021) in the institute are 1638 (546 Scopus Indexed and 170 Web of Science).
6. Organization of Training Programs: AICTE Training and Learning (ATAL) Academy sanctioned 3 FDPs, each Rs.93,000/- in Mechanical(Molecular Manufacturing), IT(Augmented Reality (AR) /Virtual Reality), CSE(Consensus in Block Chain Technologies with Privacy based Use Cases) and Mathematics departments and successfully conducted in virtual mode. Another AICTE sponsored 2 STTPs in the field of Data Science for Big data Analytics in Cloud using Advanced Tools (Rs. 3,21,667), Marine Navigation and Communication (Rs. 2,46,667) and an FDP on Research Methodology and Statistical Data Analysis (Rs. 4,89,533). As per R&D Calender-2021, Four Guest lecturers have been arranged to expose both the students and faculty to latest technologies and developments by eminent persons of international repute and with industrial experience.
7. Organization of International Conferences: Two international Conferences are organized with Circuit and non-circuit branches during April 3rd-4th, 2021 with the title Emerging Trends in Circuit-Branch Technologies and Applications (ETCTA-2021) and Developments in Sustainable Materials, Manufacturing and energy engineering (ICDSME-2021) respectively.
8. Plagiarism Issues: R&E Hub has procured plagiarism detection software (Turnitin) in order to maintain the quality of publications and theses of both PG students and PhD scholars testing with anti-plagiarism software mandatory.
9. IPRs/ Patent filing: Till the academic year 2020-21, 14 patents filled, 4 patents published and 2 patents are under review for granting. 4 more patents and 6 IPRs are in the process of filling.
10. Uploading of Class room Video lectures and E-Content on to the Portal: CBIT created an exclusive LMS portal to upload the E-content i.e. recorded video lectures for easy access by the registered users. Each faculty member uploads

their recorded video lecture in the LMS portal with a Specific Filename for easy identification which contains the Academic year, Program, Semester, Department Name, Subject Code, Subject Name, Faculty Name, Date, Lecture Number, and Topic Name. Uploaded video lectures can be accessed by the registered users through LMS Portal or E-Library (<https://www.cbit.ac.in/ay20-2021-even-sem/>) of the CBIT website.

11. Student Placements and internships: Highest package of Rs.43 LPA Microsoft for the year 2020-21. Increased Average Salary, Median Salary, More students are placed with High Packages are noticed for the year 2020-21. Further noticed that 449 Internships in 131 Companies.
12. The UG programs of B.E(Civil, Mechanical, Production, ECE and CSE) are accredited by NBA for five(5) times, B.E(EEE)and B.Tech(Chemical) are accredited for four(4) times, B.E(IT) program is accredited for three(3) times and B.Tech(Bio-Tech) program is accredited for two(2) times. The present validity of NBA for the UG program is extended up to year 30-06-2021 by National Board of Accreditation.
13. Program exit feedback systems: Program exit feedback was collected from the outgoing students of the institute. The feedback on Curriculum, Program Outcomes, Program Specific Outcomes, Training & Placement, Career Development, Co-curricular activities and Extra-Curricular activities, Infrastructure and Common facilities was collected. The process of collecting feedback was carried out through the learning portal of the institute. Analysis of Program Exit /Feedback Survey, 2020-21 was evidenced along with action plans.
14. Faculty Retention is good and the details are summarized in the following table (As on May 2021):

Experience in Years	Principal	Professors	Associate Professors	Assistant Professors	Librarian	Physical Director	Total
0-5	1	4	10	148	-	-	163
6-10	-	1	4	40	-	-	45
11-20	-	7	13	67	-	1	88
21-30	-	18	3	6	1	-	28
31-35	-	5	2	0	-	1	08
Total	1	35	32	261	1	2	332

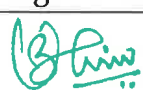


15. The institute has fulfilled all the requirements mentioned in the constitution of all the mandatory bodies such as Governing Body, Academic Council, Board of studies, Finance committee and the IQAC. The selection of its members of the bodies and the meetings of these statutory committees are in tune with the UGC guidelines.
16. The institution has been initiating new quality academic activities every year. The

IQAC has been proactive in strengthening the good practices and ensuring the quality in all activities. The college adopts best practices, teaching methodologies, professional ethics and clearly stated and integrated development policies.

17. Admissions are made as per the Telangana State Government norms.
18. Almanac and Academic Calendar are in place. Classroom teaching is monitored well and all courses are completed in time, Use of ICT tools is in place, Continuous Internal Evaluation is in force.
19. Good library and Book Bank facilities are available.
20. Proactive Management takes keen interest in the growth of the institute.
21. In addition to all the above stated good practices, there has been full support to co-curricular, literary, cultural, sports and games activities.

The team based on its observation records all the progressive steps under taken by the institution and appeals the UGC to extend Autonomous status to the institution.

External Peer Team:

S.No	Members	Signature
1.	Prof. V. Bhikshma, Senior Professor, Dept. of Civil Engineering, OUCE, Hyderabad.	
2.	Prof. P. Chandrasekhar, Vice Principal, OUCE, Hyderabad.	
3.	Prof. K. Shyamala, Director-Academic Audit, OU, Hyderabad.	

Date: 20-08-2021

Venue: CBIT, Hyderabad