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

IQAC ANNUAL REPORT 2021-2022





INTERNAL QUALITY ASSURANCE CELL – IQAC

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IQAC-CBIT 1 | Page



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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.

IQAC-CBIT 2 | Page



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INTERNAL QUALITY ASSURANCE CELL – IQAC

INDEX

S. No.	Contents	Page No.
	INTERNAL QUALITY ASSURANCE CELL – IQAC	2
	Vision	2
	Objective	2
	Functions	2
1.	INSTITUTE ACHIEVEMENTS IN 2021-22	4-5
2.	IQAC NEWS 2021-22	6
	NIRF Ranking 2022	6
	ARIIA Ranking – "Excellent" Status	7
	ISO Certification	8
	Innovation Ranking: 4 Stars	9
3.	QUALITY INITIATIVES BY IQAC	10
	Preparation of Academic Calendar	10
	Green, Energy and Environment Audit	10-12
	Academic and Administrative Audit	13-14
	Accreditation Initiatives - NBA Accreditation	15-17
4.	Activities conducted by IQAC	18
	Collaborative quality initiatives with other institutions	19-20
	Conferences, Seminars, Workshops on quality conducted	21
5.	Feedback Mechanism	22
6.	Faculty Development Programmes	23
7.	Student Enrichment Programmes	24



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1. INSTITUTE ACHIEVEMENTS IN 2021-22

- 1. Institute has applied 6 UG Programs for NBA Accreditation in the year 2021 and all the 6 UG Programs are Accredited by NBA, B.E (Civil, Mechanical, ECE, CSE and IT) programs are Accredited for 3 years and B.E (EEE) Program is Accredited for 6 Years. Institute will submit compliance report at the end of the third year for granting 1 more year of NBA Accreditation for B.E (Civil, Mechanical, ECE, CSE and IT) Programs.
- 2. CBIT Ranked Excellent Band in the year 2021 by ARIIA
- 3. The institute is certified with, ISO 14001:2015 for Implementation of Greenery and Environmental Promotional activities, ISO 50001:2018 for Implementation of energy saving practices and also awarded with Certificate of excellence in recognition for maintaining green zone, rain harvesting and pollution control practices. These certificates are awarded in May, 2022.
- 4. CBIT rated with "AA (Jan -Dec 2021):" and "Max. No. of Stars (Jan -Dec 2021)" by NPTEL.
- 5. For the year 2021-22, three new Projects (worth of 77.65 L) are granted by funding agencies and one project from NITI Aayog under Atal Community Innovation Centre (ACIC). A total 12 Projects are under execution in the campus.
- 6. Ph.D Guidance: 46 Faculty of the Institute are recognised as Ph.D Supervisors and so far, 89 Scholars are awarded with Ph.D. 20 Scholars have submitted Ph.D Thesis for the year 2021-22.
- 7. The publications (Scopus/WoS) by the faculty are summarised below:

Calendar Year	2020	2021	2022
Publications	175	248	297
Citations	548	901	956

IQAC-CBIT 4 | Page

- 8. Collaboration with T-Hub's T-Tribe, TiE, Hyderabad, and MSME has made the students to develop Entrepreneurship Culture. For the year 2020-21, 41 students were certified by T-Tribe for the Entrepreneurship program. 50 students are nominated for the program during the year 2021-22.
- 9. The total number of IPR count has reached 39 with 4 Patents granted, 17 Patents published, 5 Patents filed and 13 Copyrights registered.
- 10. From May 2021, Patents Granted is 3, Patents Filed and Published are 14, and Copyrights Registered 13 and Patent under Examination & Hearing are 8.
- 11. ACIC-CBIT Research and Entrepreneurship Foundation has been registered by CBIT as Special Purpose Vehicle. A grant of Rs 63.84 Lakhs has been received from AIM and CBIT has contributed Rs 66.6 lakhs for the first year.

IQAC-CBIT 5 | Page

NSITUTE OF ECHNOLOGY Quantum Stage 60 1979

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

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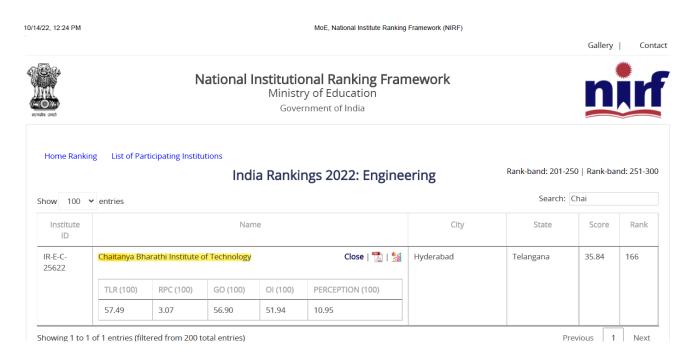
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2. IQAC NEWS 2021-22

NIRF Ranking 2022

Chaitanya Bharathi Institute of Technology secured 166th position in the all-India National Level NIRF Ranking 2022, published by Ministry of Education.

NIRF 2022 RANK PROOF



IQAC-CBIT 6 | Page

ARIIA Ranking - "EXCELLENT" Status

Chaitanya Bharathi Institute of Technology, Hyderabad participated in Atal Ranking of Institutions on Innovation Achievements (ARIIA), conducted by Innovation Cell, government of India and Ministry of Education, Government of India. The college was recognized in the band 'EXCELLENT' under the category "Colleges/Institutes (Private/ Self-Financed) (Technical)" in ARIIA Ranking 2021, declared on 29 December, 2021.



IQAC-CBIT 7 | Page

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 10 January, 2021, after necessary preparations and scrutiny.



IQAC-CBIT 8 | Page

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 in January 2022.



IQAC-CBIT 9 | Page



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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 2021-2022. 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.

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 enhancive measures by the institution.

IQAC-CBIT 10 | Page

ENERGY AUDIT CERTIFICATE:



IQAC-CBIT 11 | Page

GREEN AND ENVIRONMENT AUDIT CERTIFICATE:



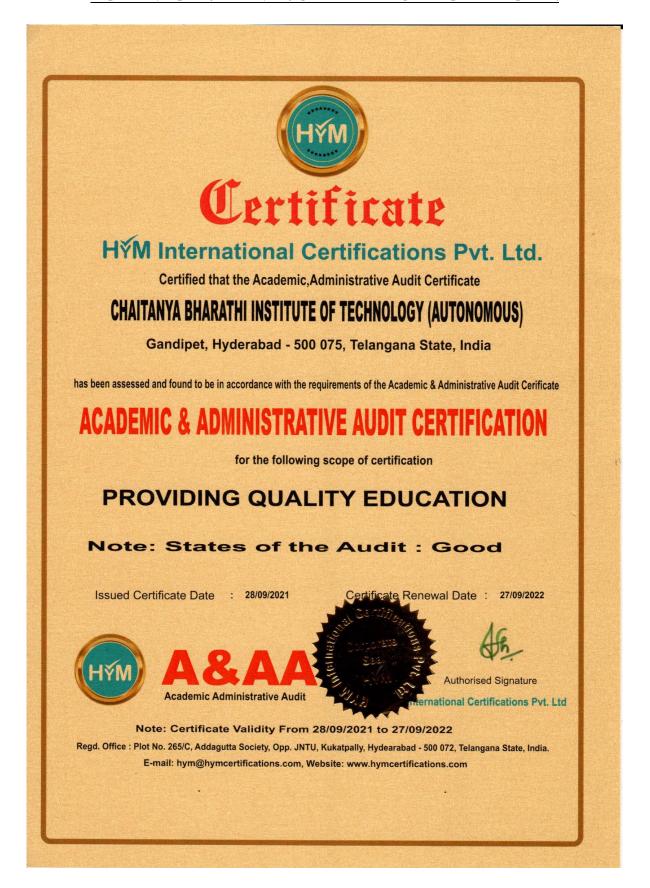
IQAC-CBIT 12 | Page

Academic and Administrative Audit

In pursuit of the commitment of the college towards quality improvement, IQAC initiated Academic and Administrative Audit 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 enhancive measures by the institution.

IQAC-CBIT 13 | Page

ACADEMIC AND ADMINISTRATIVE AUDIT CERTIFICATE:



IQAC-CBIT 14 | Page

Accreditation Initiatives - NBA Accreditation

Institute has applied 6 UG Programs for NBA Accreditation in the year 2021 and all the 6 UG Programs are Accredited by NBA, B.E (Civil, Mechanical, ECE, CSE and IT) programs are Accredited for 3 years and B.E (EEE) Program is Accredited for 6 Years. Institute will submit compliance report at the end of the third year for granting 1 more year of NBA Accreditation for B.E (Civil, Mechanical, ECE, CSE and IT) Programs.

IQAC-CBIT 15 | Page

<u>UG Programs - NBA Accreditation Certificate:</u>

राष्ट्रीय प्रत्यायन बोर्ड

चौथा तल, ईस्ट टावर, एन. बी. सी. प्लेस, भीष्म पितामह मार्ग, प्रगति विहार, लोधी रोड, नई दिल्ली -110003

NATIONAL BOARD OF ACCREDITATION

4th Floor, East Tower, NBCC Place, Bhisham Pitamah Marg, Pragati Vihar, Lodhi Road, New Delhi 110003

NATIONAL BOARD

Date: 18-04-2022

F. No- 11-35-2010-NBA

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

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

Sir,

This has reference to your application I.D. No's. 5552-06/05/2021 and 5553-06/05/2021 seeking accreditation by National Board of Accreditation to UG Engineering programs (Tier I) offered by Chaitanya Bharathi Institute of Technology, Post Office Kokapet, Village Gandipet, Hyderabad-500075, Telangana.

An Expert Team conducted online evaluation of the programs from 10th-12th December, 2021. The
report 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:

SI. No.	Name of the Program(s) (UG)	Basis of Evaluation	Accreditation Status	Period of validity	Remarks
(1)	(2)	(3)	(4)	(5)	(6)
1.	Mechanical Engineering	Tier-I January 2016 Document	Accredited		
2.	Computer Science & Engineering		Accredited	Academic Years	
3,	Civil Engineering		Accredited	2023-2024 i.e. Up to	Accreditation status granted is valid for the period indicated in
4.	Electronics & Communication Engineering		Accredited	30-06-2024	Col.5 or till the program has the approval of the
5.	Information Technology		Accredited		Competent Authority whichever is earlier
6.	Electrical & Electronics Engineering		Accredited	Academic Years 2021-2022 to 2026-2027 i.e. Up to 30-06-2027	

 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 which have been granted accreditation for 3 years, Chaitanya Bharathi Institute of Technology, 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 so as to be eligible for consideration by the concerned Committee in NBA for further processing of the accreditation status.

Tel: +91 11 2436 0620-22, 2436 0654; Telefax: +91 11 4308 4903 Website: http://www.nbaind.org | Email:membersecretary@nbaind.org

IQAC-CBIT 16 | Page

PG Programs - NBA Accreditation Certificate:

NATIONAL BOARD OF ACCREDITATION

NBCC Place, East Tower, 4" 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.nbaind.org

of ACCREDITATION

Date: 30-01-2020

File No: 11-35-2010-NBA

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.

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-

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

SI. 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	Accreditation status granted is
2.	Communication Engineering		Accredited	2021-2022 i.e. Up to	valid for the period indicated in Col.5 or till the program has the
3.	Embedded System & VLSI		Accredited	30-06-2022	approval of the competent authority, whichever is earlier

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

Contd/-

IQAC-CBIT 17 | Page

4. ACTIVITIES CONDUCTED BY IQAC

1. In-house Training Programme on Research & Consultancy, ICT in Teaching Learning Processes, Examinations Reforms, IPRs etc.

A two day in-house Training Programme has been conducted on 23rd and 30th April, 2022 for the faculty who have joined on or after 1st Jan, 2019, on the topics: Teacher Profile, R20 and R18 for all Programmes, Quality Research and Publications, Implementing ICT in Teaching Learning Processes, Examinations Reforms, Intellectual Property Rights, NAAC Seven criterion and IQAC for HEI's, Effective Mentoring of students, HR policy manual, Effective Teaching and an Interactive session with all the speakers.

2. Awareness Seminar on preparing of SSR (Self Study Report) for third cycle of NAAC accreditation

Prof. Urmila A. Patil of Dr. D.Y. Patil Institute of Technology, Pune, shared her expertise in preparing of SSR (Self Study Report) for third cycle of NAAC accreditation. She delivered two lectures on 21-05-2022 and 28-05-2022 respectively on the seven criterions: Curricular Aspects, Teaching-Learning and Evaluation, Research, Innovations and Extension, Infrastructure and Learning Resources, Student Support and Progression, Governance, Leadership and Management and Institutional Values and Best Practices.

IQAC-CBIT 18 | Page

Collaborative quality initiatives with other institutions

- 1. International research collaboration with Najran University Kingdom of Saudi Arabia (KSA) for two years i.e. 2021-22 & 2022-23 on quality initiatives on research and consultancy.
- Collaboration with ACD Communications Pvt. Ltd for three years w.e.f. 2021-22 on quality initiatives on innovative design and development in the field of electronics and communications, Antennas and GSM/ CDMA Communications.
- 3. Dr U. K. Choudhury, Professor & Director (Innovation & Incubation),
 Chaitanya Bharathi Institute of Technology, Hyderabad is an expert member
 for 2021-22 in Committee for Reorienting R&D at BHEL, Hyderabad for
 providing a new quality direction to BHEL's R&D efforts.
- 4. Dr. R. Madana Mohana, Professor, Dept. of IT, Chaitanya Bharathi Institute of Technology, Hyderabad acted as Resource Person @ A 15-Days National Level Workshop on "NAAC Accreditation Process for Colleges of Education" conducted during 20th - 31st July 2022 & 01st - 4th August 2022. Organized by Association of Principals of Colleges of Education (PACE), Thrissur, Kerala 680506. (1 Day-Online, 28/07/2022)
- 5. Dr. R. Madana Mohana, Professor, Dept. of IT, Chaitanya Bharathi Institute of Technology, Hyderabad acted as Resource Person @ Two-day NAAC Sponsored National Seminar on "Role of IQAC in Evaluation and Analysis of Academic and Administration Audit for the Excellence in Higher Educational Institute in view of NAAC framework" conducted on 17th and 18th June 2022 organized by IQAC, Siddartha Institute of Science and Technology, Puttur, Andhra Pradesh 517583. (1 Day-Online, 18/06/2022)
- 6. Dr. Rajanikanth Aluvalu, Associate Professor Dept. of IT, Chaitanya Bharathi Institute of Technology, Hyderabad acted as Expert Member @ One Day Mock visit to review NAAC SSR 2nd Cycle Criteria documentation on dated

IQAC-CBIT 19 | Page

- 17/10/2022 at P. R. Pote Patil Edu. & Welf. Trust's, Group of Institutions, College of Engineering & Management, Amravati, Maharashtra, India.
- 7. Dr. Rajanikanth Aluvalu, Associate Professor Dept. of IT, Chaitanya Bharathi Institute of Technology, Hyderabad acted as Resource Person @ Two days Faculty Development Programme on "Importance of Accreditation to Enhance the Quality of Technical Education" during 18- 19 Nov,2022 at Siddhartha Institute of Engineering & Technology, Hyderabad.
- 8. Dr. Rajanikanth Aluvalu, Associate Professor Dept. of IT, Chaitanya Bharathi Institute of Technology, Hyderabad acted as Board of Studies Member in the Department of Computer Science and Engineering for framing syllabus and academic regulations (R21), in accordance with AICTE Model curriculum for the academic year 2021-22 at Balaji Institute of Technology & Science, Warangal, Telangana, India.

IQAC-CBIT 20 | Page

Conferences, Seminars, Workshops on quality conducted

- 1. Alumni talk on "Biotechnology and the rise of 4th Industrial revolution" on 12-03-2022 by Dr. Madhav Tirukovela, Regulatory Affairs Graduate Student at Northern University, 2018th Batch of B.Tech. Biotechnology, Organized by the Department of Biotechnology, Chaitanya Bharathi Institute of Technology, Hyderabad.
- 2. Keynote seminar on "Ignition of Young Minds with Innovative Ideas in Fermentation Technology Research" at Two-day National Level Technical Symposium, NEOZION2022 in the theme of "Ignite, Innate and Innovate" on 23rd and 24th March 2022 organized by Dept. of Biotechnology, Chaitanya Bharathi Institute of Technology, Hyderabad.
- 3. Faculty Development Program on "Establishment and Management of Business Incubators" from 10-03-2022 to 12-03-2022 in association with National Institute for Micro Small and Medium Enterprises (MSME) at Chaitanya Bharathi Institute of Technology, Hyderabad.
- 4. Faculty in-house Training Program on various quality initiatives from 23-04-2022 to 30-04-2022 organized by IQAC, Chaitanya Bharathi Institute of Technology, Hyderabad.
- 5. A Webinar on "Writing Effective Edited Book Proposal" on 14-05-2022, organized by IEEE CBIT Student Branch(STB 31231), Chaitanya Bharathi Institute of Technology, Hyderabad.
- 6. A Webinar on "Brainstorming and Bootstrapping a Start-up" on 12-02-2022, organized by R&D Centre and ECE department, Chaitanya Bharathi Institute of Technology, Hyderabad.
- 7. Seminar on "Turning Social Ideas into Scalable Businesses" on 24-02-2022 organized by Institutions Innovation Council (IIC), Chaitanya Bharathi Institute of Technology, Hyderabad.
- 8. Seminar on "Design Thinking and success journey as Entrepreneur" on 26-02-2022 organized by Institutions Innovation Council (IIC), Chaitanya Bharathi Institute of Technology, Hyderabad.

IQAC-CBIT 21 | Page

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 enhancive 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, 2022. 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.

IQAC-CBIT 22 | Page

6. FACULTY DEVELOPMENT PROGRAMMES

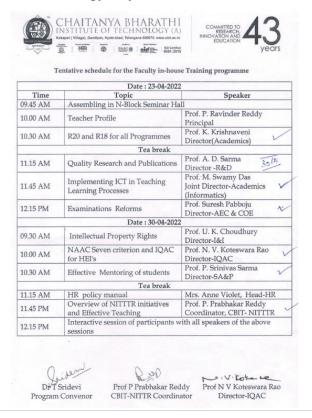
Faculty Orientation Programme

 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 20-24th July, 2021.



Inaugural session of FDP on "Universal Human Values"

• Two-Day Faculty in-house training program conducted by IQAC, Chaitanya Bharathi Institute of Technology, Hyderabad held on 23rd & 30th April, 2022.



IQAC-CBIT 23 | Page

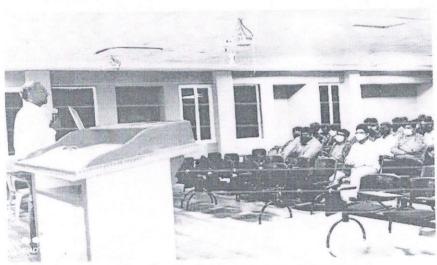
7. STUDENT ENRICHMENT PROGRAMMES

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 29-11-2021 to 04-12-2021 in online and offline mode, following all the safety measures as mandated by AICTE and the state government.



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



Lecture on Universal Human Values by Dr. Raghuram

Prof. N. V. Koteswara Rao Director- IQAC

Prof. P. Ravinder Reddy Principal & Chairman, IQAC

Principal

Chaitanya Bharathi Institute of Technology
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