

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

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

IQAC ANNUAL REPORT 2022-2023



INTERNAL QUALITY ASSURANCE CELL – IQAC

www.cbit.ac.in



CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

(Autonomous)

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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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1. INSTITUTE ACHIEVEMENTS IN 2022-23

1. Institute is currently Currently Offering 12 UG Programs with 1320, 10 PG Programs with 344 intake and established of three new departments.
2. Among the total faculty 347 (38 Professors, 50 Associate Professors and 252 Asst. Professors), 200 are Ph.D holders and 95 are pursuing Ph.D. Faculty recruited with PhD, during 2022-23 is 33 out of 200.
 - NIRF - CBIT Ranked in 151-200 band for the year 2023, 166th Rank in 2022 and been continuously ranked since 2016.
 - Ranked in 100-151 Band NIRF-Innovation for the year 2023 and “Excellent” by ARIIA-2022.
 - IIC - 4 stars performance in 2022
 - “AA” Rating for the CBIT Local Chapter by the SWAYAM-NPTEL : 2022
 - Ranked 40th in the country, 2nd in the State by “The Week” magazine, August 2022 edition
 - ISO 9001: 2015, 14001:2015, 50001:2018 and AAA certified
 - Implemented 7th CPC and Welfare Measures for the faculty
 - Exclusive Research & Entrepreneurship Hub
 - 50+ Student Clubs to foster students development
 - Alumni global network
 - Research and Consultancy
 - 17 Ongoing sponsored Projects (Rs 876.02 L)
 - 07 Ongoing Consultancy Projects (Rs. 72.51 L)
 - 45 Completed Sponsored Projects (Rs. 354.62 L)
 - 20 Completed Consultancy Projects (Rs. 64.74 L)
 - 11 Completed In-house Projects (Rs. 57.33 L)

- Intellectual Property Rights – IPR
 - 10 Patents Granted
 - 36 Patents Published
 - 13 Copy Rights Filed / Registered

- Research Centers
 - 5 Departments (Civil, Mech., ECE, EEE & CSE)
 - 44 Recognized Supervisors
 - 256 Scholars registered Ph.D.
 - 106 Scholars awarded Ph.D.
 - 12 Scholars submitted Thesis

- Incubation Centers
 - 09 Projects submitted for MSME
 - 53 Innovators supported by ACIC-CBIT
 - 29 Innovators working with ACIC-CBIT
 - 06 Startups are registered

- Industry Supported Labs
 - HEXAGON lab (Rs. 6.5 Cr)
 - Navigation & Communication Research Center (SAC-ISRO, Rs. 35.55 L)
 - IDEA Lab (Rs. 95L)
 - Robotic Process Automation Lab (Rs. 40L)
 - Automatic Weather Station : NARL, Department of SPACE, Govt. of India

- Certified by AICTE's 360 Degree Feedback

- Institute has spent Rs. 4.17 Cr for the Student Support Activities during last 5 years

- Students have won Rs. 13.64 L Prize Money in Hackathons

- Students are awarded with awarded 15 Honors and 07 Additional Minor Engineering in 2022

- TEQIP-II participated Institution and recognized as one of the well performing private unaided institutions of the country by MHRD, Govt. of India.

- The publications (Scopus/WoS only) by the faculty are summarised below:

CalendarYear	2021	2022	2023 (as on 31-05-2023)
Publications	246	479	208
Citations	1301	2650	1218
Scopus h-Index : 29	WoS h-Index : 21		

- Students Placements - Summary

S. No.	Parameter	2022	2023 (in progress)
1	No. of Eligible Students (UG and PG)	1189	1176
2	No. of offers (UG and PG)	1699 (1736) *	1321
3	No. of Students Placed (UG and PG)	833 (883) *	830
4	Maximum Salary (in Rs. LPA)	54	45.6
5	Mean Salary (in Rs. LPA)	7.4	9.1
6	Median Salary (in Rs. LPA)	5.7	7.3

* Including Off Campus

- Innovators/Startups Supported by ACIC-CBIT through various mentoring, capacity building, IPR and Ideathon cohorts:

Phases		Innovators Supported	Innovators still working with ACIC-CBIT	Registered Startups
Phase 1	Up to Sept 2022	36	14	4
Phase 2	Nov - Dec 2022	5	3	2
Phase 3	Jan 2023 - till date	12	12	--
Total		53	29	6

- MoU signed with 15 innovators/startups
- 4 patents filled

- Computing Facilities and Internet

Description	Availability
Desktops and Laptops	2409 & 186
Servers	6 Rack Mounted, 2 Blades, 4 Tabletop
Virtualization	VMware, V-Center
IoT & Cyber Security CoE	IoT devices, Digintrude SoC
Cloud Space	AWS SageMaker, S3, and EC2 instances; Microsoft Office 365
Software	Microsoft Office 365(Campus Agreement), Oracle, Informatica, MatLab, iThenticate, Webex Meetings, NetSim, NiLabView, SolidWorks, Ansis and Abacus, Hexagon Open Source Software: Ubuntu, CentOS, Fedora, MySQL, Moodle, Edwiser, pfSense, Python Keras, TensorFlow, Open CV, MongoDB, Weka, Tessaract, BigBlueButton.
Internet Connection	1050 Mbps 1:1 Leased from D-AtuM Vilcom Pvt Ltd. (DVPL)
Wi-Fi & LAN connectivity	Available
Web and email Domains	cbit.ac.in & cbit.org.in
Security & Privacy	Cisco MX-100 and pfSense Firewall, 1000 user QuickHeal

- Library Resources

- E-Resources : Annual Subscription - Rs.46.62 Lakh

- Anti-Plagiarism Software : TURNITIN SIMILARITY

- No. of Users : 2350
- Cost of the Software : Rs. 5.4 L

- Best Practices

- Innovative research on contemporary societal needs.
- Open Source projects and Hackathons through COSC Club.
- Inculcating the spirit of research among faculty for a progressive technological growth.
- Earning of Credits through Industrial Training/Internship and Minor Engineering & Honours.

- Holistic approach for overall development of students by emphasizing co-curricular and extracurricular activities.
 - Teaching and Learning through ICT tools including our own designed and customized open source LMS (Moodle).
 - Three level Academic Audit systems and SRP (Semester Readiness Program)
 - Self-Appraisal Reports and Faculty Recruitment Process.
- IQAC Activities :
 - Regularly reviews the teaching learning process, evaluation and assessment
 - Introduction of new courses with an aim to enhance knowledge, skill and overall personality of the students
 - Strategic plan and its implementation
 - Student feedback on teaching learning and corrective measures
 - Program Exit Survey and corrective measures by the respective departments
 - Yearly Academic and Administrative Audit of the Departments by the Academic peers
 - Organization of workshops / seminars on quality related themes and promotion of quality culture
 - Submission of the Annual Quality Assurance Report (AQAR)
 - Coordinating the activities of the institution and institutionalizing good practices
 - Monitoring Course Audit-1, 2 and 3 & Semester Readiness Program (SRP)
 - Interaction with the potential employers in the concerned region
 - Identifying New Research Area suitable to local and regional needs
 - Mapping / Strengthening of UG and PG project outcomes
 - Assessing the quality of question papers
 - Repository of course material(s)
 - Peer team evaluations as directed by UGC
 - Preparation of NAAC, NBA, UGC-Autonomous reports and other regulatory bodies
 - Review of previous NAAC Peer team reports and NBA Compliance
 - Interaction with the Potential Employers – Summary

Sl. No.	2021-22	2022-23
1	D.E. Shaw	Servicenow
2	F5 Networks	Deliveroo

3	Oracle	Pepsico
4	JPMC	Deloitte
5	Pegasystems	DBS
6	Gap	Accenture
7	Blue Star Ltd	Silcon Labs
8	GMM Pfaudler Ltd	TecnipFMC
9	TechnipFMC	Ford

- Identified New Research Areas :
 - Integrated 5G systems and IOT Devices
 - Modeling and fabrication of 5G antenna systems and IOT enabled devices of various applications such as smart irrigation systems, toxic gas detection, crop health monitoring.
 - Nano Technology, nano-materials and applications
 - Synthesis of Nano-materials towards product development suitable for various applications and devices such as Solar Cells, Solar & Hydrogen Fuel cells, Catalysts, Electrodes, Sensors (Thermal, Optical, Bio, touch/pressure sensitive, chemical), Antennas, Super capacitors, thermal convertors, Microfluidic devices (lab-on-chip, Micro Catalytic cells, etc).
 - AI and Machine Learning systems
 - Development and deployment of ML based algorithms towards modelling and prediction of weather & scintillation forecasting, using NavIC satellite data continuously received on the proprietary antennas established locally.
 - Drones, IOT and Agri-applications
 - Building of drones and drone-based sensor network for capture and analysis of data acquired via various sensors (such as Imaging, Thermal, Geo, Gas, Atmospheric, etc) to develop ML based prediction and mapping to provide solutions for improving agriculture, crop yield and disease mitigation.
- Program conducted by IQAC:
 - A two day in-house Training Programme has been conducted on 11th and 18th March, 2023 for the faculty who have joined on or after 1st May, 2022 , on the topics :
 - Teacher Profile, R22, R20 and R18 for all Programmes & Almanac and Academic Calendar
 - Quality Research and Publications

- Intellectual Property Rights
- Conduction of Examinations: Class Tests and Semester End Examinations
- Implementing ICT in Teaching Learning Processes
- Effective Mentoring of students
- HR policy
- OBE: A Case Study
- Library Resources in TLP and Research
- CDC Activities - Involvement of Faculty
- An Interactive session.



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2. IQAC NEWS 2022-23

NIRF Ranking 2023

Chaitanya Bharathi Institute of Technology secured 151-200 band width in the all-India National Level NIRF Ranking 2023, published by Ministry of Education.

NIRF 2023 RANK PROOF



National Institutional Ranking Framework
Ministry of Education
Government of India



HOME

ABOUT NIRF

PARAMETERS

DOCUMENTS

RANKING

FAQS

NOTIFICATION/ADVT

CONTACT

Welcome to Data Capturing System: ENGINEERING

Institute Name: Chaitanya Bharathi Institute of Technology (IR-E-C-25622)

Parameter-wise Score

TLR (100)	RPC (100)	GO (100)	OI (100)	PERCEPTION (100)
58.37	8.19	58.15	53.10	5.92

You have submitted your data!

[View Data](#)

[About Data Capturing System \(DCS\)](#)

[Important Notes](#)

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 2022.

ISO Certification

ISO Certification was issued to Chaitanya Bharathi Institute of Technology, Hyderabad, for the streamlined processes of the college office. Certification was awarded in the year 2022, 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 in 2022.

- "AA" Rating for the CBIT Local Chapter by the SWAYAM-NPTEL : 2022



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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 2022-2023. 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.

ENERGY AUDIT CERTIFICATE:



Certificate

HYM International Certifications Pvt. Ltd.
Certified that the Energy Management System of
CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (AUTONOMOUS)
Gandipet, Hyderabad - 500 075, Telangana State, India
has been assessed and found to be in accordance with the requirements of the Energy standards
ISO 50001 : 2018
for the following scope of certification
IMPLEMENTATION OF ENERGY SAVING PRACTICES
Further information about the scope of this certificate and applicability of ISO 50001 : 2018
requirements may be obtained by consulting the organization.

Issue Date : 09/05/2022	1st Surveillance 08/05/2023	<input type="checkbox"/>
Renewal Date : 08/05/2025	2nd Surveillance 08/05/2024	<input type="checkbox"/>



Certificate No : **En9186414072** HYM International Certifications Pvt. Ltd

NOTE: This Certificate is Valid From 09/05/2022 to 08/05/2023
This is an accredited certificate authorized for issue by Accreditation Service for Certifying Bodies (Europe) Limited who have assessed M/s.HYM International Certifications Pvt. Ltd. against defined criteria and in cognisance of ISO 17021:2015 "Conformity Assessment - Requirements for bodies providing audit and Certification of management Systems"
www.hymcertifications.com on for checking the validation of the Certification

Regd. Office : Plot No. 265/C, Addagutta Society, Opp. JNTU, Kukatpally, Hyderabad - 500 072, Telangana State, India.
E-mail: siva@hymcertifications.com, Website: www.hymcertifications.com

GREEN AND ENVIRONMENT AUDIT CERTIFICATE:



Certificate

HYM International Certifications Pvt. Ltd.
Certified that the Environmental Management System of
CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (AUTONOMOUS)
Gandipet, Hyderabad - 500 075, Telangana State, India
has been assessed and found to be in accordance with the requirements of the environmental standards
ISO 14001 : 2015
for the following scope of certification
IMPLEMENTATION OF GREENERY AND ENVIRONMENTAL PROMOTION ACTIVITIES
Further information about the scope of this certificate and applicability of ISO 14001 : 2015
requirements may be obtained by consulting the organization.

Issue Date : 09/05/2022	1st Surveillance 08/05/2023	<input type="checkbox"/>
Renewal Date : 08/05/2025	2nd Surveillance 08/05/2024	<input type="checkbox"/>



Certificate No : **E91864140166** HYM International Certifications Pvt. Ltd

NOTE: This Certificate is Valid From 09/05/2022 to 08/05/2023
This is an accredited certificate authorized to issue by Accreditation Service for Certifying Bodies (ASCe) Limited who have assessed M/s HYM International Certifications Pvt. Ltd. against defined criteria and in cognizance of ISO 17021:2015 "Conformity Assessment - Requirements for bodies providing audit and Certification of management Systems".
www.hymcertifications.com on for checking the validation of the Certification

Regd. Office : Plot No. 265/C, Addagutta Society, Opp. JNTU, Kukatpally, Hyderabad - 500 072, Telangana State, India.
E-mail: siva@hymcertifications.com, Website: www.hymcertifications.com

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.

ACADEMIC AND ADMINISTRATIVE AUDIT CERTIFICATE:



Certificate

HYM International Certifications Pvt. Ltd.

Certified that the Academic, Administrative Audit Certificate

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (AUTONOMOUS)

Gandipet, Hyderabad - 500 075, Telangana State, India

has been assessed and found to be in accordance with the requirements of the Academic & Administrative Audit Certificate

ACADEMIC & ADMINISTRATIVE AUDIT CERTIFICATION

for the following scope of certification

PROVIDING QUALITY EDUCATION

Note: States of the Audit : Good

Issued Certificate Date : 28/09/2021

Certificate Renewal Date : 27/09/2022



A&AA
Academic Administrative Audit



A handwritten signature in blue ink, appearing to be 'A. S.' or similar.

Authorised Signature

International Certifications Pvt. Ltd

Note: Certificate Validity From 28/09/2021 to 27/09/2022

Regd. Office : Plot No. 265/C, Addagutta Society, Opp. JNTU, Kukatpally, Hyderabad - 500 072, Telangana State, India.

E-mail: hym@hymcertifications.com, Website: www.hymcertifications.com

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.

UG Programs - NBA Accreditation Certificate:

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



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.

2. 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:

Sl. 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	Academic Years 2021-2022 to 2023-2024 i.e. Up to 30-06-2024	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.	Computer Science & Engineering		Accredited		
3.	Civil Engineering		Accredited		
4.	Electronics & Communication Engineering		Accredited		
5.	Information Technology		Accredited		
6.	Electrical & Electronics Engineering		Accredited	Academic Years 2021-2022 to 2026-2027 i.e. Up to 30-06-2027	

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 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.

 Contd/-

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

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

- Regularly reviews the teaching learning process, evaluation and assessment
- Introduction of new courses with an aim to enhance knowledge, skill and overall personality of the students
- Strategic plan and its implementation
- Student feedback on teaching learning and corrective measures
- Program Exit Survey and corrective measures by the respective departments
- Yearly Academic and Administrative Audit of the Departments by the Academic peers
- Organization of workshops / seminars on quality related themes and promotion of quality culture
- Submission of the Annual Quality Assurance Report (AQAR)
- Coordinating the activities of the institution and institutionalizing good practices
- Monitoring Course Audit-1, 2 and 3 & Semester Readiness Program (SRP)
- Interaction with the potential employers in the concerned region
- Identifying New Research Area suitable to local and regional needs
- Mapping / Strengthening of UG and PG project outcomes
- Assessing the quality of question papers
- Repository of course material(s)
- Peer team evaluations as directed by UGC
- Preparation of NAAC, NBA, UGC-Autonomous reports and other regulatory bodies
- Review of previous NAAC Peer team reports and NBA Compliance
- Interaction with the Potential Employers - Summary

Sl. No.	2021-22	2022-23
1	D.E. Shaw	Servicenow
2	F5 Networks	Deliveroo
3	Oracle	Pepsico
4	JPMC	Deloitte
5	Pegasystems	DBS
6	Gap	Accenture
7	Blue Star Ltd	Silcon Labs
8	GMM Pfaudler Ltd	TecnipFMC
9	TechnipFMC	Ford

- Identified New Research Areas :
 - Integrated 5G systems and IOT Devices
 - Modeling and fabrication of 5G antenna systems and IOT enabled devices of

various applications such as smart irrigation systems, toxic gas detection, crop health monitoring.

- Nano Technology, nano-materials and applications
 - Synthesis of Nano-materials towards product development suitable for various applications and devices such as Solar Cells, Solar & Hydrogen Fuel cells, Catalysts, Electrodes, Sensors (Thermal, Optical, Bio, touch/pressure sensitive, chemical), Antennas, Super capacitors, thermal convertors, Microfluidic devices (lab-on-chip, Micro Catalytic cells, etc).
- AI and Machine Learning systems
 - Development and deployment of ML based algorithms towards modelling and prediction of weather & scintillation forecasting, using NavIC satellite data continuously received on the proprietary antennas established locally.
- Drones, IOT and Agri-applications
 - Building of drones and drone-based sensor network for capture and analysis of data acquired via various sensors (such as Imaging, Thermal, Geo, Gas, Atmospheric, etc) to develop ML based prediction and mapping to provide solutions for improving agriculture, crop yield and disease mitigation.
- Program conducted by IQAC:
 - A two day in-house Training Programme has been conducted on 11th and 18th March, 2023 for the faculty who have joined on or after 1st May, 2022 , on the topics :
 - Teacher Profile, R22, R20 and R18 for all Programmes & Almanac and Academic Calendar
 - Quality Research and Publications
 - Intellectual Property Rights
 - Conduction of Examinations: Class Tests and Semester End Examinations
 - Implementing ICT in Teaching Learning Processes
 - Effective Mentoring of students
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 - OBE: A Case Study
 - Library Resources in TLP and Research
 - CDC Activities – Involvement of Faculty
 - An Interactive session

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, 2023. 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.