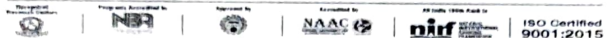




CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A)

Kokapet(Village), Gandipet, Hyderabad, Telangana-500075. www.cbfi.ac.in



Name of the Department:Biotechnology

Academic Year: 2020-21(Batch 2017-21 Passed Out)

UG Program

| Program Outcomes | Target Fixed | Target Achieved | Observation (Attained/Not Attained) | Actions Taken | | |
|------------------|--------------|-----------------|-------------------------------------|---|---|---|
| | | | | A1 | A2 | A3 |
| PO1 | 1.42 | 1.98 | Yes | Introduce basic concepts of interdisciplinary subjects in the curriculum or revise the current syllabus accordingly | Give assignments of higher blooms level to make students think creatively by integrating basic concepts of interdisciplinary subjects | Encourage students take up multidisciplinary mini projects to create interest in them |
| PO2 | 1.60 | 2.01 | Yes | Amend the course outcomes and topics of the current syllabus to meet the specific applications of mathematics and | Engineering exploration course introduced in the first-year curriculum can be designed in a way | Introduce open ended experiments in the laboratory courses to solve complex problems |

| | | | | | | |
|-----|------|------|-----|--|--|---|
| | | | | engineering sciences | to apply biostatistics for the identified problems | |
| PO3 | 1.50 | 1.97 | Yes | To motivate students to do mini projects, which are related to the need of healthcare sectors and to showcase the results in Bio-Ideathon and similar activities | To create a platform to present their ideas for solving complex engineering problems in the Department excluding conferences | To encourage students to conduct some experiments in the lab when they have solutions to solve complex engineering problems |
| PO4 | 1.50 | 2.05 | Yes | To introduce more optimization methods for synthesizing biomolecules in the lab course | To encourage students to visit more research centers, which can facilitate their research-based knowledge | To motivate students to create videos on fundamental engineering principles so that they can develop the ability to solve complex engineering problems. |
| PO5 | 1.12 | 1.87 | Yes | To increase the use of bioinformatics tools for simulations and prediction studies in the lab experiment | To conduct the hands-on training program for the students for computational biology and related fields | To add more open-ended experiment having both dry lab and wet lab prospects |
| PO6 | 1.40 | 1.94 | Yes | To add a greater number of professional electives in the curriculum | Encourage students to be member of various professional society and also participate in various club activities like | Introduce and encourage about rural internship and community engagement subject in |

| | | | | | | |
|-----|------|------|-----|--|---|---|
| | | | | | NSS, Swachh Bharat, Plantations activities etc. | the curriculum |
| PO7 | 1.24 | 1.98 | Yes | To encourage the students to participate in the college environmental clubs Parvita . | To encourage the students to take up mini and major projects through which relationship between technical,socio economic and environmental dimensions of sustainability can be better understood. | To create awareness about environmental pollution and how to remediate them by the introduction of Environmental Biotechnology. |
| PO8 | 0.99 | 1.67 | Yes | We introduced the new course titled as UHV-1 understanding the harmony. | It is proposed to give due weightage in the project and lab courses by evaluating the students based on the rubrics. | To inculcate ethical values we Introduced plagiarism check while submitting the project thesis and assignments. |
| PO9 | 1.08 | 1.65 | Yes | To introduce subjects which make students work together as a team like Community engagement and EE or mini projects in 1st year, so the students can develop unity in them | To motivate students to always participate in groups in Co- and Extra curricular activities and clubs like EWD, (engineers without boarders), Internships | |

| | | | | | | |
|------|------|------|-----|---|---|---|
| | | | | | Communicando, MUN, Parivriha, and all clubs of CBIT to promote unity and teamwork among students | |
| PO10 | 0.93 | 1.69 | Yes | To introduce and impart training in communication skills to students for better performance in their career. | To improvise the rubrics in Project and Seminar so as to emphasize more on communication skills during presentation | |
| PO11 | 0.80 | 1.33 | Yes | To introduce subjects/topics addressing management principles | To encourage students to submit projects with budget proposals to college/funding agencies for funding | |
| PO12 | 1.54 | 1.93 | Yes | To extend the Biotechnology knowledge we facilitated the students to study the honors and minors engineering courses. | To make familiar with industry and upgrade the technical skills we facilitated the students to do the internship. | We arranged industrial visits and workshops to develop the leadership skills and make them understand the concepts life long. |
| PSO1 | 1.54 | 2.05 | Yes | To apply the knowledge in multidisciplinary disciplines we introduced the courses in medical, agricultural, env | We encouraged the students to apply Bioinformatics simulations in solving complex problems. | |

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|------|------|------|-----|---|--|--|
| | | | | ironmental and other allied areas. | | |
| PSO2 | 1.47 | 2.03 | Yes | To adopting standard operating protocols we introduced course Good Manufacturing practices. | | |

Evidences:

1. Drive Link for CO PO mapping Sheets Semester wise:
2. Complete PO attainment table for 2017 batch (AY: 2020-21) hard copy endorsed by head of the department.

In-Charge 


HEAD

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