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Dept. of Biotechnology -BoS Meeting on 29th March 2025: Meeting link and Agenda

7 messages

Bio Tech HEAD <hod_biotech@cbit.ac.in>

Fri, Mar 28, 2025 at 9:30

To: Bhukya Rajam <bhukyarajam@gmail.com>, rajam_ouct@rediffmail.com, finny.thomas@granulesindia.com, finny thomas <tp.finny@gmail.com>, "HARISH KUMAR REDDY.Y" <harishkumarreddyy@gmail.com>, Sai Chaitanya Chiliveri <saichay@iitk.ac.in>, Emmanuel Pandeeti <evpaulp2000@gmail.com>, emmanuel paul <evpaulp@gmail.com>, Anil Kondreddy <drkondreddy@gmail.com>

Cc: "Dr.V.Aruna Assistant Professor" <varuna_biotech@cbit.ac.in>, "Dr. B.Mishra" <bishwambhar_biotech@cbit.ac.in>, G Vijayalaxmi <drgvlaxmi_biotech@cbit.ac.in>, "Dr. Ashoutosh Panday" <ashoutoshpanday_biotech@cbit.ac.in>, "Dr. C.Obul Reddy" <cobulreddy_biotech@cbit.ac.in>, "Dr.C. Nagendranatha Reddy" <nagendranath_biotech@cbit.ac.in>, "Smt. S.Sumitra" <ssumitra_biotech@cbit.ac.in>, Dr N V Koteswara Rao Professor in ECE and Director-Academics <director_academics@cbit.ac.in>

Respected Sir,

Thank you for accepting the invitation to participate in Biotechnology Dept. BoS meeting. You are requested to attend the meeting scheduled as follows:

Date: 29-03-2025 (Thursday)**Time:** 10:00 AM – 11:00 AM**Meeting link:** <https://cbithyd.webex.com/cbithyd/j.php?MTID=m73acad033f4aa70d317a0a3eca1b7a8e>**Meeting number :** 2644 185 3350**Meeting password:** 12345**Agenda Items**

1. Discussion on CO & PO Target Levels for All Regulations
2. Setting revised target levels based on academic performance and feedback.
3. Reduction of Program Outcomes (POs) from 12 to 11 as per New NBA norms in R20, R22 and R22A syllabus
4. Stakeholder Feedback on R22A Curriculum
5. Minor Changes in R22A Syllabus (III to VIII Semesters)
6. Honors & Minors Subjects Update-Incorporation of new courses in the Honors and Minors program as per SWAYAM portal updates.
7. Any Other Matter

Thanks and Regards

Dr. Rajasri Yadavalli B.Tech., M.Tech., Ph.D,

Head and Associate Professor,

Dept. of Biotechnology

Chaitanya Bharathi Institute of Technology(CBIT), Gandipet <https://www.linkedin.com/in/rajasriyadavalli/><https://scholar.google.co.in/citations?user=WJHOC0UAAAAJ&hl=en> <https://orcid.org/0000-0001-5926-43>

Bio Tech HEAD <hod_biotech@cbit.ac.in>

Fri, Mar 28, 2025 at 11:10 AM

To: Bhukya Rajam <bhukyarajam@gmail.com>, rajam_ouct@rediffmail.com, finny.thomas@granulesindia.com, finny thomas <tp.finny@gmail.com>, "HARISH KUMAR REDDY.Y" <harishkumarreddyy@gmail.com>, Sai Chaitanya Chiliveri <saichay@iitk.ac.in>, Emmanuel Pandeeti <evpaulp2000@gmail.com>, emmanuel paul <evpaulp@gmail.com>, Anil Kondreddy <drkondreddy@gmail.com>

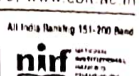
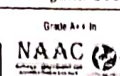
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Dear Sir



CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

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Kokapet Village, Gandipet Mandal, Hyderabad, Telangana-500075, www.cbti.ac.in



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DEPARTMENT OF BIOTECHNOLOGY

Minutes of the Board of Studies (BoS) Meeting for the B. Tech Biotechnology Program

Date: 29-03-2025 (Saturday)

Time: 10:00 AM – 11:00 AM

Meeting:

<https://cbithyd.webex.com/cbithyd/j.php?MTID=m73acad033f4aa70d317a0a3eca1b7a8e>

Members Present

S. No.	Name of the Members /Category	Designation
1.	Head of the Department concerned: Dr. Y. Rajasri, Associate Professor	Chairman
2.	All the Professors of the Department: Prof. Ashoutosh Panday	Member
3.	One Associate Professor: Dr. V. Aruna	Member
4.	One Assistant Professor: Dr. Bishwambhar Mishra	Member
5.	One expert nominated by the Vice-chancellor, Osmania University: Prof. B. Rajam, Chairman BOS in Biotechnology, Osmania University	Member
6.	One representative from industry/corporate sector/allied area relating to placement: Dr. Emmanuel Paul, Principal Scientist-I, Albus Eco, Hyderabad	Member
7.	Postgraduate meritorious Alumnus nominated by the Principal: Dr. C. Sai Chaitanya, Assistant Professor Dept. of Biological Sciences and Bioengineering, IIT-Kanpur	Member
8.	Experts from outside the college whenever special courses are to be formulated: Mr. Finny Thomas, General Manager, Fermentation, Granules India Ltd., Hyderabad	Member
9.	Experts from outside the college whenever special courses are to be formulated: Dr. Y. Harish Kumar Reddy, Senior R&D Manager, Indian Immunologicals Ltd, Hyderabad	Member
10.	Experts from outside the college whenever special courses are to be formulated: Dr. Anil Kondreddy, Chief Operating Officer, ASPIRE BioNEST, University of Hyderabad, Hyderabad	Member

11.	Other Faculty members of the Biotechnology Department at CBIT: Dr. G. Vijaya Laxmi, Associate Professor	Member
12.	Other Faculty members of the Biotechnology Department at CBIT: Dr. C. Obula Reddy, Assistant Professor	Member
13.	Other Faculty members of the Biotechnology Department at CBIT: Dr. S. Sumithra, Assistant Professor	Member
14.	Other Faculty members of the Biotechnology Department at CBIT: Dr. C. Nagendranath Reddy, Assistant Professor	Member
15.	Dr. K. Dharmalingam, Assistant Professor	Invited
16.	Dr. Sanjeeb Kumar Mandal, Assistant Professor	Invited

Members Absent:

S. No.	Name of the Members /Category	Designation
17.	Subject from outside the college to be nominated by the Academic Council: Prof. P. Sreenivasa Rao, Department of Biotechnology, NIT, Warangal	Member
18.	Subject from outside the college to be nominated by the Academic Council: Dr. A Gopala Krishna, School of Biosciences, IIT Madras	Member
19.	Postgraduate meritorious Alumnus nominated by the Principal: Dr. Vidyani Suryadevara, Stanford University, USA	Member

Dr. Rajasri Yadavalli, Head of the Department (HoD), Chairperson BoS, welcomed all members and outlined the meeting agenda.

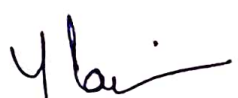
Opening remarks	Convenor greeted all the members and proceeded with the meeting according to the BoS agenda
Item 1:	Stakeholder Feedback on R22A Curriculum
Minutes:	<p>Dr. Y. Rajasri describe the R20 Reg, R-22 Reg and R -22A reg. In R 22 upskilling program was not included previously. At the college level through Academic Council Upskilling Certification Course – I and Upskilling Certification Course – II was approved with 0.5 credits each and the same was added in the R-22 reg. Upskilling program will be done by the by 2nd and 3rd students during December and January in their winter vacation to upgrade their skill.</p> <p>Dr. Y. Rajasri presented the Stakeholder Feedback collected on the syllabus. The following suggestions are presented.</p> <ul style="list-style-type: none"> • Data Structures Using Python:

	<ul style="list-style-type: none"> ○ Need for a biotechnology-focused approach. ○ The Winter Upskilling Program includes Python Essentials for Life Sciences. ○ External training is considered due to faculty limitations. • Entrepreneurship & Skill Development: <ul style="list-style-type: none"> ○ Cannot be made mandatory due to slot constraints but will be encouraged through career counseling. • Regulatory Affairs, GMP & GLP: <ul style="list-style-type: none"> ○ Recommended as a core course but remains an elective due to scheduling limitations. • New Subject Inclusion: <ul style="list-style-type: none"> ○ Proposal to replace General Chemistry & Physics with Bio-organic Chemistry & Biophysics was discussed but not approved, as fundamental courses are necessary for research careers. • Proposed electives Marine & Aquaculture Biotechnology, Bacteriology, and Eukaryotic Microbiology were reviewed but will not be included in upcoming regulations.
Action Taken:	The R 22A syllabus was changed in response to members and stakeholder suggestions wherever it is possible.
Item 2:	Minor Changes in R22A Syllabus (III to VIII Semesters)
Minutes:	<p>Dr. Y. Rajasri informed that instead of presenting entire syllabus which was already approved in the only the change is present.</p> <ul style="list-style-type: none"> • Dr. Y. Rajasri presented the minor modification in the Process Principles and Reaction Engineering. • Dr C. Obula Reddy informed that one topic is repeated in the transcription that was only modified in Cell and Molecular biology. • Dr. Y. Rajasri informed that Introduction to anatomy and physical physiology of Humans was initially in IV semester is swapped with Genetics in the III Semster. • Dr. Y. Rajasri presented the changes fermentation technology, i.e. substrate utilization kinetics Monod model numerical were added that was not included previously. • Dr C. Obula Reddy informed no change in the syllabus in the Immunology and Immunotechnology but textbook is updated. • Prof. Ashoutosh Panday presented the minor changes in the UNIT V of Instrumental Methods in Biotechnology • Dr C. Obula Reddy informed addition of one experiment for the Immunology Lab.

	<ul style="list-style-type: none"> • Dr. B Mishra informed change in the Instrumentation Lab title to Instrumental Methods in Biotechnology Lab. Just to align with theory course, lab title was modified. • Dr. V. Aruna presented the addition of new topics such as NGS and CRISPR technology in Genetic Engineering and rDNA technology • In Intellectual property rights and bioethics course was like a general subject without much emphasis on biotechnology related applications. The syllabus is modified with the major focus on biotechnology applications like protection of biotech innovations, GMOs, pharmaceutical drugs, what are the limitations of IPR in biotech, which students have to be aware of. And also, Case studies more with biotechnology perspective. • Bioseparation Engineering and bio separation engineering lab of 6th semester is swapped with Animal biotechnology and animal biotechnology lab were there in 7th semester are there in this 6th semester. • Dr. S. Sumithra informed the addition of one textbook to the Mass Transfer Operations. • Dr. K. Dharmalingam informed the addition of one textbook to the elective course Biomaterials and modification in Food Biotechnology • Dr. Sanjeeb Kumar Mandal presented the modified syllabus for the Biosimilar Technology. Also informed that syllabus modification was done in consultation with the Department Adjunct Professor Dr. Sandhya Kumaraswamy. • Prof B Rajam said to add Indian author textbooks for Biomaterials
Action Taken:	Based on the Suggestions given by the BoS members the changes are made.
Item 3:	Discussion on CO & PO Target Levels for All Regulations
Minutes:	<p>Dr. Y. Rajasri discussed about the CO & PO Target Levels</p> <p>Target setting for COs, POs, and PSOs are as follows</p> <p>CO Target Levels</p> <ul style="list-style-type: none"> • R18 – 1 • R20 – 1.2 • R22 – 1.5 • R22A – 1.8 <p>PO Target Levels</p> <ul style="list-style-type: none"> • R18 – 70% • R20 – 72% • R22 – 75%

	R22A – 78%
Action Taken:	All the honorable BOS members agreed for the PO/PSO targets was set at 78%, and the CO target for R-22A was set at 1.8 and the same will be followed.
Item 4:	Reduction of Program Outcomes (POs) from 12 to 11 as per New NBA norms in R20, R22 and R22A syllabus
Minutes:	Dr. Y. Rajasri presented the modified CO-PO mapping for all the course based on the NBA guidelines for the R-20, R-22 and R-22A regulation.
Action Taken:	For R-20, R22, and R22A regulations, the course articulation matrix and curriculum were reviewed with 11 POs and were accepted by the honorable BoS members.
Item 5:	Maintaining Question paper standards
Minutes:	Dr. Y. Rajasri presented the process followed for the preparation of the questions and its evaluation. Each course expert group, 1st member will be called as lead member. That lead member will be verifying the quality of this question paper standard. They will be verifying for the blooms level distribution.
Action taken:	The criteria for assessing the question paper are followed
Item 6:	Review of CEG minutes and action plans for improvement
Minutes:	The participation of CEG members in the design of the syllabus and subsequent action plans for improvement through the holding of CEG meetings was presented by Dr. Y. Rajasri. Dr. Anil Kondreddy asked the composition of the CEG group and the same was explained by Dr. Y. Rajasri
Action taken:	All the CEG groups updated the syllabus based on the stakeholders and all the members approved.
Item 7:	Honors & Minors Subjects Update-Incorporation of new courses in the Honors and Minors program as per SWAYAM portal updates.
Minutes:	NPTEL-SWAYAM's updated list will be shared with the Honorable BoS members for their approval from time to time as a part of the Honors and Minor engineering degree offered by the Department of Biotechnology.
Action taken:	All the honorable BoS members agreed that BoS Chairman has to send an updated list for approval through email from time to time.
Item 8:	Any Other Matter
Minutes:	Dr. Anil Kondreddy enquired about the Practicals of fermentation technology. Dr. Anil Kondreddy, Mr. Finny Thomas and Dr. Harish Kumar Reddy suggested to spend a day to show the entire process of fermentation.
Action taken:	Dr. Sanjeeb Kumar Mandal was informed to conduct the Fermentation lab based the BoS members suggestion.
Vote of	The meeting concluded with a vote of thanks by Dr. Rajasri Yadavalli.

Thanks	
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Dr. Y. Rajasri
Chairperson, BoS

Copy to:

1. Members, BoS
2. Faculty, Biotech Department
3. Director, Academic, CBIT
4. Principal, CBIT