

C.B.I.T

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Invitation BoS Meeting, Biotech, CBIT on 29.04.2023 9-30 am Saturday

4 messages

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

Fri, Apr 28, 2023 at 1:46 PM

To: Satish Babu R <satishbabu@nitw.ac.in>, Gopala Krishna A <agk@iitm.ac.in>, Bhukya Rajam

<bhukyarajam@gmail.com>, evpaulp@gmail.com, Vidyani <svidyani1@gmail.com>

Cc: Bio Tech HEAD <hod_biotech@cbit.ac.in>, "Dr. Ashoutosh Panday" <ashoutoshpanday_biotech@cbit.ac.in>, "Dr.V.Aruna Assistant Professor" <varuna_biotech@cbit.ac.in>, "Dr. C.Obul Reddy" <cobulreddy_biotech@cbit.ac.in>, Dr

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<nagendranath_biotech@cbit.ac.in>

Subject: BoS Meeting, Biotechnology, CBIT on 29.04.2023 Saturday 9:30 am

Dear Sir/Madam,

Hearty Greetings. It gives me immense pleasure to inform you that like previous years, the Board of Studies (BoS) for the Department of Biotechnology, CBIT, Hyderabad, is meeting to discuss R22 Regulation syllabus.

Your gracious presence is requested to kindly participate in the meeting, and guide the students, faculty, and Biotechnology community as a whole. External (non -CBIT) Board members will be paid as per CBIT norms. As many members of BoS are outstation to Hyderabad, it is possible to conduct only in online mode. Time and online link is given below. Many Thanks.

Sincerely,

Dr. Ashoutosh Panday

B. Tech, M. Tech., Ph.D.

Professor and Head of the Dept. of Biotechnology

C.B.I.T, Hyderabad-75

Email ID: hod_biotech@cbit.ac.in

Mobile No.: 8979033584

Meeting Date and Time:

Saturday, April 29, 2023, 9:30 AM | Indian Standard Time | (UTC+05:30) Chennai, Kolkata, Mumbai, New Delhi |

Meeting link:<https://cbithyd.webex.com/cbithyd/j.php?MTID=m162d1dc1520a04fb12735cd0fc02e0b6>**Join Meeting by password: 1234@bos****Join Meeting by Meeting number (access code): 2643 281 5294**

You may also join Webex from phone by downloading Webex Application from Android Play store.


Thanks. Regards

Dr. Ashoutosh Panday

HoD, Biotechnology

Mobile 8979033584

2 attachments

 Invitation BoS Meeting, Biotechnology, CBIT on 29.04.2023 Saturday 9-30 am.pdf

9K

Department of Biotechnology
Minutes of Meeting of Board of Studies

Date: 29.04.2023 Time: 9.30 am

Online link:

<https://cbithyd.webex.com/cbithyd/j.php?MTID=mbf281f5e3c02d93216996239dbc44ceb>

Agenda:

1. Confirmation of Previous BoS MoM
2. To finalize and approve for Scheme of Instructions from III Sem to VIII Semester for R22 Regulation
3. To finalize and approve of Syllabus for III and IV Semester for R 22 Regulation
4. To finalize and approve of Open Elective Syllabus offered to other departments
5. Honors and Minor Engineering syllabus updates from time to time
6. Any other item with the permission of the Chair

Members Present:

1. Professor A. Gopala Krishna, Biotechnology, IIT, Madras.
2. Dr. Emmanuel Paul, Principal Scientist-I, Albus Eco, Hyderabad.
3. Prof. B Rajam, Biotechnology, Osmania University , Hyderabad
4. Dr. Vidayani Suryadevara, RUSH University, USA
5. Dr. Ashoutosh Panday, Chairman BoS & HoD, Department of Biotechnology, CBIT
6. Dr. V. Aruna, Associate Professor, Department of Biotechnology, CBIT
7. Dr. G Vijaya Laxmi, Associate Professor, Department of Biotechnology, CBIT
8. Dr. Y. Rajasri, Associate Professor, Department of Biotechnology, CBIT
9. Dr. C. Obula Reddy, Assistant Professor, Department of Biotechnology, CBIT.
10. Dr. S. Sumithra, Assistant Professor, Department of Biotechnology, CBIT.

11. Dr. Bishwambhar Mishra, Assistant Professor, Department of Biotechnology, CBIT

12. Dr. C. Nagendranatha Reddy, Assistant Professor, Department of Biotechnology, CBIT

Chairman BoS welcomed all the members and started the meeting with the presentation with the following agenda

Item 1:	Confirmation of Previous BoS MoM
Action Taken:	All the members of BoS approved the previous BoS Minutes
Item 2:	To finalize and approve for Scheme of Instructions from III Sem to VIII Semester for R22 Regulation
Minutes:	<p>BoS Chairman presented the Scheme of instruction from the III Semester to the VIII Semester. He mentioned that scheme was prepared based on the feedback taken from different stakeholders. The differences between R 20 and R 22 schemes were discussed and the following changes were made</p> <ul style="list-style-type: none">• Process Principles and reaction engineering was shifted from II Semester (R 20 Reg) to III Semester (R 22 Reg)• Thermodynamics for Biotechnologists was shifted from III Semester (R 20 Reg) to IV Semester (R 22 Reg)• Whereas Introduction to Anatomy and Physiology of Humans was shifted from V Semester (R 20 Reg) to IV Semester (R 22 Reg)• Bioprocess Engineering Theory and Lab course was renamed as Fermentation Technology and Fermentation Lab in the IV Semester• Non-Credit and Mandatory course such as Environmental Science was shifted from IV Semester (R 20 Reg) to III Semester (R 22 Reg) and Indian Constitution and Fundamental Principles from III Semester (R 20 Reg) to IV Semester to Indian Constitution in R 22 Reg according to the common BoS minutes at the Institute level dated 13.03.2023.• Non-Credit and Mandatory course such as Indian Traditional Knowledge from V Semester and Gender Sensitization from VII Semester under R 20 Reg was shifted to open elective under R 22 Reg• Universal Human Values-2: Universal Harmony with 3 credits was shifted from IV Semester to V Semester with 1 credit in R 22 Reg• Enzyme Technology was moved from Professional Elective I to a core theory course and included in VI Semester• Biostatistics from V Semester was moved from a core theory course to an open elective• Engineering Economics and Accountancy was shifted from VI

	<p>Semester to V Semester</p> <ul style="list-style-type: none"> • The mini-project was removed from VI Semester in R 22 Reg • 5 Professional electives were offered in R 22 Reg instead of 6 Professional electives. • In R22, it is proposed to remove segregation, so that the students if desired, can take electives from one or 2 specializations in various semesters.
Action Taken :	All the honorable BoS members agreed and approved the same.
Item 3:	To finalize and approve of Syllabus for III and IV Semester for R 22 Regulation
Minutes:	<p>The detailed syllabus for III and IV Semester was presented by Chairman BoS the following suggestions were made and implemented</p> <p>3a. Dr. Vidyani Suryadevara mentioned that it is beneficial for students to start early on projects, and benchmark their ideas in the form of Seminars, Internships, and Projects.</p> <p>3b. She also asked about which department is teaching “Employability Skills”. Chairman BoS informed the respected BoS members that it is being taught by the English Dept., on which Dr. Vidyani commented that we need to have a sort of 1-credit course so that students can learn about Scientific Writing, Proposals, and give their Seminars.</p> <p>3c. In Semester –IV, Dr. Paul gave suggestions for the Fermentation Technology Lab. Especially he mentioned that there is a need to conduct the Study of batch and fed-batch fermentation processes for both prokaryotic and eukaryotic organisms separately.</p> <p>3d. Prof. Gopala Krishna asked if it would be possible to offer OOPS using Python course as a 4-credit course to make it more suitable for Biotechnologists. He also suggested that in the teaching of OOPS using Python Theory and Lab courses to Biotechnologists, it is advised that the faculty can quickly ramp up the Theory and Lab topics to incorporate examples and applications related to Biotechnology. Prof. Gopala Krishna suggested several examples, e.g.</p> <ol style="list-style-type: none"> a) Molecular Modeling, b) Nucleotide Sequencing, c) Energy Minimization Problems, d) Writing small code to extract Pubmed information, etc. <p>As the students have some prior information about Python from Programming and Problem Solving from Semester –I, BoS Chairman said that he would explore the feasibility of the suggestions with the Computer Science and Engineering Department, and expressed gratitude to Professor Gopala Krishna for his valuable suggestions.</p>

Action Taken:	<p>3a. Internships in the industry during the summer break after the II, IV, and VI semesters, and students are trained to prepare reports and present the work carried out during the internship to a three-member committee during III, V, and VII semesters.</p> <p>3b. Technical writing skills is being taught as an open elective</p> <p>3c. Based on Dr. Paul's suggestion Fermentation Technology lab experiments were modified.</p> <p>3d. The HoD of Computer Science and Engineering (CSE) Department of CBIT has been informed for necessary action, and they have agreed to incorporate changes. Specifically CSE Department is to include Biotechnology related examples while teaching Python topics, e.g., Demonstration of inheritance, and Experiments on Overloading.</p> <p>All the other courses are approved by the respective BoS members.</p>
Item 4:	To finalize and approve of Open Elective Syllabus offered to other departments
Minutes:	<p>Chairman BoS presented the list of open electives and syllabi offered to other Departments.</p> <p>4a. Dr. Vidyani gave useful inputs about Biology for Engineers and Bioinformatics. She suggested Chairman BoS should get in touch with CSE Dept. on how the syllabus could be changed to make it more useful to them.</p> <p>4b. Also, Dr. Vidyani asked what inspired Biotech Dept. to introduce the Elective of 'Cognitive Neuroscience'.</p>
Action Taken:	<p>4a. In consultation with Dr. Y. Ramadevi, Professor and Ex-HoD of CSE is an expert in Bioinformatics, and these two Open Electives were framed in close interaction with her.</p> <p>4b. Chairman BoS informed the respective BoS members that it is being offered by many institutions including the IIT and included in the AICTE model curriculum.</p> <p>All the Open elective Course was agreed upon and approved by the BoS members.</p>
Item 5:	Honors and Minor Engineering syllabus updates from time to time
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 6:	Any other item with the permission of the Chair
Minutes:	Finally, all the concerns of respected BoS members were addressed and it was decided to take future consultations on the matter. After this, Chairman BoS thanked all honorable BoS members for their valuable inputs, and time in attending the online meeting. The meeting was considered to be closed.

A Pandey V. P. R. M. G. S. Y. L.
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