

Chaitanya Bharathi Institute of Technology(A)

Department of Biotechnology

18.07.2020

Minutes of Online BOS meeting held on 18.07.2020 from 10:30 am to 1:30pm

External BOS members

1. Prof.Ramesh Kumar, Professor, OUCT, Dept of Chemical Engg.
2. Dr.N. Madhusudhan Rao, Scientist, CCMB, Hyd
3. Dr.Nagendra Varma, Manager, Virchow Labs, Hyd
4. Prof.Gopal Reddy, Retired Professor, Dept of Microbiology, OU, Hyd.
5. Mr.Navneeth Bung, Innovation Lab, TCS Industries, Hyd (Student Alumni)

Internal BOS Members

- Dr.Y.Rajasri, Associate Professor, I/C HoD, Department of Biotechnology
- Dr.C.Obula Reddy, Assistant Professor, Department of Biotechnology
- Dr. V. Aruna, Assistant Professor, Department of Biotechnology
- Dr. G. Vijaya Laxmi, Assistant Professor, Department of Biotechnology

Internal Invited Members

- Mrs.S.Sumithra, Assistant Professor, Department of Biotechnology
- Dr. P.V.P. Sai Arun, Assistant Professor, Department of Biotechnology
- Dr.Bishwambhar Mishra, Assistant Professor, Department of Biotechnology
- Dr.C.Nagendranatha Reddy, Assistant Professor, Department of Biotechnology

The following points were discussed in the meeting and recorded as follows:

Agenda of BoS Meeting

1. To review of R 18 V to VIII semesters syllabus
 - To approve the syllabus of R 18 from V Sem to VIII Sem
 - To approve the course outcomes of V Sem to VIII Sem
 - Review of Basics of Biology syllabus offered by Biotechnology department as open elective to other departments
2. To approve Honors and Minor engineering degree offered w.e.f R 18 Regulations
3. To review of R 20 I and II semesters Scheme of Instructions and syllabus

Minutes of the BoS meeting

S.No	Item discussed
1.	R 18 Regulations- To review of R 18 V to VIII semesters syllabus
1a.	To approve the syllabus of R 18 from V sem to VIII sem
	Hon'ble BoS Members have suggested to move Core elective IAPH to V sem from VII sem and Numerical methods in V sem is moved to Open elective of VI sem
	Action taken: The same changes were implemented as suggested
	BoS Members were informed that AI in Biology and Nano Biotechnology were introduced as core electives in VI sem.
	Action taken : After a thorough discussion on the syllabus of these new subjects , BoS members approved the same

1b.	To approve the course outcomes of Vsem to VIII sem
	Action taken : After a thorough discussion, the new course outcomes written as prescribed by AICTE Examination reforms were approved by Hon'ble BoS members
1c.	Syllabus of Basics of Biology offered by Biotechnology department for other branches was reviewed by the BoS members
	Action taken : As the syllabus of Basics of Biology was already approved in 2017 BoS meeting ,however the course is approved with new course outcomes keeping the syllabus unchanged
	In conclusion, only minor modifications (which include introduction of some new/thrust electives were introduced for the benefit the students, along with some changes in course outcomes) and the syllabus of all subjects from V sem to VIIIsemwere approved
2	To approve Honors and Minor engineering degree subjects offered w.e.f R 18 regulations Two Minor engineering courses were offered by dept of Biotechnology to other branch students: a. Biochemical engineering b. Biosciences and Bioengineering By acquiring a minimum total of 20 credits (in addition to the regular 160 credits) which are distributed over three and five semesters, for 2018 and 2019 admitted batches respectively, students can obtain a minor engineering degree By acquiring a minimum total of 20 credits, distributed over three and five semesters, for 2018 and 2019 admitted batches respectively, students can obtain a minor engineering degree or Honors degree. The list of subjects divided over each semester are listed for your kind perusal.
	Action taken: The subjects offered under Honors degree and Minor engineering were discussed with the BoS members. Subjects were divided semester wise and a wide choice is given for the students to select from a big list of subjects which can be done through recognized online platforms and is having a proctored exam. Hon'ble BoS members have kindly approved the same.
3.	R 20 I and II semesters -Scheme of Instructions and syllabus
3a.	AICTE has proposed for the first model curriculum for Biotechnology in 2019 November. The same has been adapted with 80% similarity in our R20 curriculum
3b.	It was suggested by BoS members to move ProcessPrinciples and ReactionEngineeringfrom III semester to II Sem
	Action taken : The same has been implemented
3c.	Chemical engineering subjects' viz. Chemical engineering thermodynamics, Mass transfer, Momentum and Heat transfer in Bioprocesses etc were not included in AICTE model curriculum. But the members opined that including them is very much essential for a B.Tech Biotech graduate to understand the engineering aspects of Biotechnology and to qualify in the GATE exam
	Action taken: The same has been implemented. GATE Syllabus has been referred while framing the syllabus and incorporated in the present curriculum.
3d.	BoS members opined to replace Data structures theory and lab with OOPS through Python to facilitate the students with Python language which forms the basis for understanding the coding part in Bioinformatics and Computational Biology
	Action taken : The same has been implemented
3e.	"Entrepreneurship and Startup" subject is offered as an open elective as it cannot be accommodated in mandatory course as prescribed by AICTE model curriculum
	Action taken : The same has been approved by Hon'ble BoS members and implemented
3f.	While discussing V sem Internship /Rural training as proposed by AICTE Model Curriculum, Prof.Gopal reddygaru has urged the institute to offer help in terms of guidance and mentoring to economically weak/Socially weak students who may not be competent or equally aware of such programmes.
	Action taken: It was informed to Hon'ble BoS members that an internship coordinator is identified by the department who will be looking after the various internship opportunities published online and offline.He/She will be guiding the studentsto explore these opportunities.
3g.	BoS members opined that, it will be good for students if they can have 6 months of project work in 8 th semester without class work, which will encourage the students to avail the opportunities available across the country.
	Action taken: It was informed to Hon'ble BoS members that there is a provision of availing advantage of online

	courses for the equivalent subjects identified in VIII semester. Hence a student is free to pursue those theory courses online without attending the physical classes facilitating him/her to explore opportunities of project available across the country.
3h.	Dr.Madhusudhan Rao said that field/industry visits have to be encouraged.
	Action taken: BOS members were briefed that students were regularly being taken to various research institutes and Industries such as GVK BIO,Pratishta,IIL,NIAB, Bionectum etc.

The meeting was concluded with closing remarks



Sd/-

Head, Biotechnology department

