

Central University of Tamil Nadu
Thiruvavur
Department of Biotechnology

Minutes of the Meeting of the Board of Studies held on 07.07.2022 at 11 am, via online mode

The following Members attended the Meeting:

External Members

1. Prof. N. Sakthivel, Professor, Department of Biotechnology, Pondicherry University, Pondicherry
2. Prof. S. Karutha Pandian, Senior Professor & Head, Department of Biotechnology, Alagappa University, Karaikudi

Internal Members

1. Prof. P. Rajaguru, Professor and Head, Dept. of Biotechnology, CUTN – Chairperson and Convener
2. Prof. E.M. Shankar, Professor, Dept. of Biotechnology, CUTN
3. Dr. Kathiresan Shanmugam, Associate Professor, Dept. of Biotechnology, CUTN
4. Dr. Meganathan Kannan, Assistant Professor, Dept. of Biotechnology, CUTN
5. Dr. Latchoumyeandane, Assistant Professor, Dept. of Biotechnology, CUTN
6. Prof. Manivannan, Professor & Head, Dept. of Horticulture, CUTN
7. Dr. P. Ravanan, Associate Professor, Department of Microbiology, CUTN
8. Prof. T. Mohan Das, Professor and Head, Dept. of Chemistry, CUTN

External Member Prof. M.M. Michael Gromiha, Professor, Department of Biotechnology, IIT Madras, Chennai and Special Invitee cum Industry Member Dr. N. Jayaparthasarathy, Research Scientist, Bioscience Corporate Division, ITC Life Sciences and Technology Center, Bangalore could not attend the meeting.

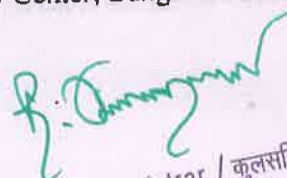
Agenda: The agenda of the online meeting were as follows:

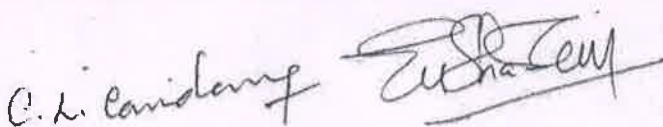
- Curriculum for I MSc Biotechnology Programme
- Syllabi for 1st and 2nd Semester I MSc Biotechnology
- Pattern of End-Semester Question Paper for I MSc Biotechnology
- Course Work Syllabus for PhD Biotechnology

Resolution:

Prof. Rajaguru, Head of the Department of Biotechnology welcomed the external and internal members and about the Curriculum of the Five Year Integrated MSc Biotechnology Programme proposed to be offered at CUTN to the participating members. He also informed that the existing Department of Life Sciences is rechristened as Department of Biotechnology, which will function under the newly established School of Integrative Biology at the Central University of Tamil Nadu.

- After careful evaluation of the Curriculum and Syllabus for the 1st and 2 Semester of the proposed I MSc Biotechnology programme, the members suggested/recommended the following points:
 - The latest edition of the prescribed books be mentioned wherever possible under the Reference Books and every course mention review articles from reputed journals.
 - Dynamic component(s) shall be included in each course from 6th semester onwards (example, SARS-CoV-2, Vaccine, Nobel winning themes, etc.)


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 C. L. Chandrasekhar

- The word 'Units' shall be replaced by 'Experiment' in the Laboratory Courses.
- A uniform pattern shall be followed for citing the references.
- A course on Virology be offered as a CC in one of the semesters although this has been proposed as an elective course.
- Under Ability Enhancement Compulsory Courses (AECC), English Communication paper may be replaced by General English paper in consultation with the Department of English.
- The chemistry courses may be revised to include basic chemistry, organic and physical chemistry components that may be useful to the Biotechnology students.
- The evaluation pattern for 1 MSc Biotechnology shall be as follows:

Internal : 40 marks

End Sem. Exam : 60 marks

The student shall secure a separate minimum of 50% marks in the End Semester Examination and a overall 50% marks with internal and ESE marks put together to pass the Course.

Internal Evaluation – 40 Marks

S. No.	Item	Marks
1	1 hour Written Test – (MCQs/Short Answers)	30
2	Seminar/Assignment/Quiz	10
Total		40

End Sem. Examination – 60 marks

3 hour examination – 60 marks

Question Paper Pattern

S.No.	Item	Marks	
1	Part A – 20 marks (MCQ/One word/true or false/fill in the blanks, etc.)	Answer ALL Questions 1 x 20 = 20 (4 Questions from each unit)	20
2	Part B – 35 marks (Essay)	Answer ALL Questions 7 x 5 = 35 (1 Question from each unit with internal choice)	35
3	Part C – 5 marks (Contemporary Topic)	Answer ANY ONE Question 5 x 1 = 5 (1 Question out of THREE questions)	5
Total		60	

- PART A can be of Multiple Choice Question and/or One Word Answer and/or True or false and/or Fill in the Blanks and/or Match the Following at the discretion of the paper setter/lecturer.
 - While approving the PhD course-work papers, the members recommended to prepare a comprehensive list of papers for Ph.D. programme in Biotechnology that may be presented and deliberated in the next BoS meeting.
 - In the Core Course of the Ph.D. programme, the guidelines of ethical committees such as Institutional Ethics Committee (IEC constituted as per ICMR norms), Institutional Biosafety Committee (IBSC of DBT) and Institutional Animal Ethics Committee (IAEC of CPCSEA) be incorporated (if applicable).
 - The BoS approved the PhD supervisorship of Dr. Poornachander Gugulothu, Assistant Professor, Department of Biotechnology as he fulfils the conditions prescribed by the UGC for Ph.D. guidance. However, the BoS suggested that the application for approval as PhD Research Supervisor be referred to some other Committee such as Research Advisory Committee (RAC) or the Board of School in future.
 - The Board authorized the Chairperson to incorporate all the suggestiuons made by the members and to forward the final Syllabus to the authorities/appropriate bodies for approval.
- The meeting ended with a vote of thanks to the Chair.

C. L. Chandan

R. D. Dhanraj
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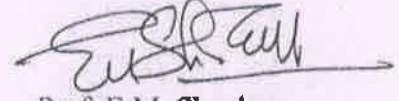
External members

Prof. N. Sakthivel

Prof. S. Karutha Pandian

Internal Members

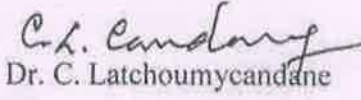
Prof. P. Rajaguru - Chairperson and Convener



Prof. E.M. Shankar

Dr Kathiresan Shanmugam

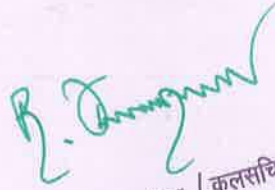
Dr Meganathan Kannan


Dr. C. Latchoumycandane

Prof. Manivannan

Dr. P. Ramanan

Prof. T. Mohan Das



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