

Minutes of the meeting - Board of studies PG and Research Department of Biotechnology

16th meeting of Board of studies in Biotechnology in the autonomous scheme under "CBES" was held on Saturday 09.03.2019. at 10.30 am in the Department of Biotechnology.

The chairman of the Board presided over the meeting and the following members were present.

Name	Designation	Signature
Dr. V. BHUVANESHWARI	Chairman.	[Signature] 9/3/19
Dr. P. CHIDAMBARAMAN	University Nominee	[Signature] 9/3/19
Dr. S. DURISHAN	Subject Expert 1	[Signature]
Dr. A. SANKILINATHU	Subject Expert 2	[Signature] 9/3/19
Dr. R. RAJONATHAN	Ind. Expert -	[Signature] 9/3/19
Dr. S. VIJAYAKUMAR	Alumni	[Signature]
Dr. P. Senthil Kumar	Asst. Prof.	[Signature] 9/3/19
Dr. R. Anjanani	Asst. Prof.	[Signature] 9/3/19
Dr. J. Rathin Kumar	Asst. Prof.	[Signature] 09/03/2019
Dr. C. Sowma	Associate Prof.	[Signature] 9/3/19
Dr. G. Anbarasan	Asst. Prof.	[Signature] 9/3/19
Dr. R. Ranjit Kumar	Asst. Prof.	[Signature] 9/3/19
Mr. M. Gokul Kumar	Asst. Prof.	[Signature] 9/3/19
Mr. Surendran	GL	[Signature]
Ms. Priya Darshan	III BSCBT	[Signature] 9/3/2019
Ms. Tharagini Priya	II MSc. BT	[Signature] 9/3/2019

The chairman welcomed the members of the Board of studies in Biotechnology and the members were introduced. The chairman briefly explained the happenings of the 15th meeting of Board of studies. Resolution passed the Introduction of OBE, SWAYAM, from the academic year 18 till date.

- 1) 1 semester - Bio Instrumentation and Biophysics changed to Bioinstrumentation and Environmental Biotech
- 2) suggested by BCS-
- 3) course objective changed.
- 3) 2nd semester - Microbiology
- 4) Mass spectrometry in 2nd unit -
- 5) Sonication near centrifugation in unit 1.
- 6) Delete lyophilization
- 7) unit - 5 - Delete Lyophilization
- 8) unit - 5 - Delete Bioinstrumentation
- 9) Teaching methods - Demonstrations to be included.
- 10) Cell Biology - Enzyme linked Receptor cells (leukine)
Reproductive cells added.
Suggested by BCS members.
11. 3rd semester ~~BBT~~ - 2nd year.
Genetics and molecular Biology
12. 4th semester - Fundamentals of Biochemistry -
13. As per student suggestions
University nominee & staff - yearly practical shifted to semester practical
14. 1st sem - Practicals - Cell Biology & Bioinstrumentation
2nd sem - " - Microbiology
3rd sem - " - Genetics & Molecular Biology
4th sem - " - Biochemistry
15. 5th semester - Fundamentals of Biochemistry
16. 5th semester ~~Env. BT~~, Bio safety, PCR, Bionanotechnology - paper name changed from Nanotechnology

17. ~~Wasaciconpost~~ - ~~the~~ unit - 5 - Mushroom cultivation included. Bio~~instrumentation~~^{instrumentation} and Environment BT.
18. Medical BT removed. (Elective)
19. Bioenterpreneurship - Algal Bi, Natural products as elective. (1, 2, 3)
20. Chemical Research + Medical coding - JOC included.
21. Agro Industrial BT - JOC. included.
22. Recent book references can be included.
23. water conductivity topic in Fundamentals of
24. HMP shunt in unit - 2 FOPBC.
25. Regulation can be included.
26. Practical - Cell^{ular} Physiology and Bioinstrumentation.
27. Amino acid - Arg, Tyrosine. included in Practicals.
28. Fund. of BC - Physicochemical properties.
29. Pedigree to be taken from genomes.
30. Numerical taxonomy (molecular) - Microbiology paper. - included (topic).
31. ~~water~~ Agar slant (Microbiology practical included, soil work included).
32. Remove Immuno surveillance, add ELISA (Immunology).
33. Eukaryotes topic change in molecular Biology - unit - 3.
34. rDNA tech - Sanger DNA sequencing removed. unit - 3.
35. ABI - Types of eggs included, unit 3 - Add MTT assay.
36. KDEL RNAi silencing - Removed. - ABI -
37. ABI Practicals - PBMC method ~~is~~ included. (haemocytometer).
38. BPT - Photobioreactor - included, unit - 1. Change order - Bioreactor - unit - 2.

39. ~~rest of~~ - PBT - shift - 2nd unit to 1st unit, conventional methods - self, cross pollination (included).
40. Proteomics & genomics - changed certain topics.
41. Molecular Docking in BE practicals can be included.
42. PC - syllabus of 2 practicals
 1st - Bio statistics, PBT, ^{Bio chemistry} ~~Physical chemistry~~
 2nd. Mol. ^{molecular-genetics &} Microbiology.
- ~~43.~~ Student suggestions (PC)
 Major Elective - removed.
43. ~~2nd~~ 3rd sem → Fermentation technology
44. Biochemistry - Theory - have to be changed.
45. All subjects UG & PG syllabus have to be different.
46. Probiotics & bactericides
47. HPV Her → Microbiology - paper - topics included.
48. Phosphorus, urea include. column chromatography, Enzyme kinetics (include) (Albumin, vit C - removed) - BE practical
49. Microbiology Practical
50. Dye decolorization - EBT practicals - using enzyme cellulase from microbes.
51. Biodegradation of dyes.
52. Nanotechnology - changed to Pro nanotechnology
53. Biofertilizer - Vermicast - EBT practicals included.
54. Isolation of protoplast & fusion - Demo - PBT practicals - it is included
55. Microbiology - Isolation of microbes

- from soil has to be changed as
antibiotic producing microorganism from soil.
56. Bio entrepreneurship, marine and Algal Biotechnology was introduced instead of marine Biotechnology.
 57. In elective Medical Biotechnology removed and Introduced Natural products.
 58. Competitive scheme I & II the syllabus was completely changed as per CSIR-NET-SET syllabus.
 59. Lab in Fermentation Technology Plant Biotechnology and Computational Biology in 3rd semester.
 60. In 2nd semester Environmental Biotechnology and Bio nanotechnology was Introduced.
 61. Genomics, proteomics and computational Biology in 3rd semester. Major Elective II in 4th semester.
 62. Feedback form of all the stake holders were collected and analyzed.
 63. List of panel members has been updated.
 64. MoU has been signed with ABBES Biotech, Chennai, an Centre for Nano Science Research, Coimbatore along with Kongunadu Arts and Science College.


9/3/19.

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