

14th meeting of Board of Studies in Biotechnology in the autonomous scheme under "CBCS" was held on Saturday 04-03-2014 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		Signature
Dr. R. Subashkumar (1)	Chairman	4/3/17
Dr. R. Sathish Kumar (UNIVERSITY NOME) Associate Professor, Dept. of Biotech. Bharathiar University.	(Subject expert) 9.	4/3/17
Dr. Y.L. Yeshyumanavan - (4)		
Associate Prof., (GDD College)	Subject expert - 3	4/3/17
Mr. K. Balaraman pepsico, Kerala.	2 Industrial expert	4/3/17
Dr. R. Thengra Sasipandan.	member - R.	4/3/17
De. V. Bhuvaneswari	member	4/3/17
De. P. Senthil Kumar.	member.	4/3/17
De. R. Dnsaveni	member.	4/3/17
De. K. Surekha	member.	4/3/17
Mr. S. Rathish Kumar	member	4/3/17
Mr. D.S. Rajitha Santhosh Kumar	member.	4/3/17
Mr. P. Sagadevan	Alumni	4/3/17
Ms. R. Rangella (II M.Sc.)	Student env. li	4/3/17
Ms. P. Kavi prya (II B.Sc.)	Student env. li	4/3/17

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 13th meeting of Board of Studies.

Agenda I: (VA syllabus)

- Detailed discussion was done to add "Bioprocess" subject in the syllabus
- Regard to the change in the End semester practical 4 hours practical changed to 6th practical. ratification of syllabus. (VA).
- Industrial expert suggested to add some more topics in Industrial Biotechnology, and also suggested that addition of practical subject or slight addition of Industrial based techniques.

Toc - Job oriented course

- Regard to the "herbal technology" as Toc subject University nominee suggested to give a guest lecture and introduce Toc. followed by Industrial expert explained about the trouble shoot in the Industrial visit. allowing students inside the laboratory.
- Regard to the addition of Toc paper "medical coding" syllabus University nominee advised the committee to reduce the syllabus content, and he also recommended the committee to introduce P&T-Toc in plant tissue culture. Nominee suggested to add micropropagation, handling handling in the syllabus of plant tissue culture.
- VA Toc will be medical coding and P&T Toc will be i) Plant tissue culture and Organic Farming, ii) Tissue culture & Organic Farming. P&T - Herbal Biotechnology convergence and documentation Required.

EDC: Extra Departmental Course:

Members suggested to change the syllabus to the basic biotechnology level. because it is for other discipline students.

Biochemistry:

The topic Thermodynamics too will be illuminated and co-factor enzyme topics will be added and experts suggested to add reference books.

Cell Biology:

Slight modification in the syllabus, reference books to be updated

Genetics:

Slight addition of content in the syllabus.

Lab: Cell Biology and Genetics:

Chromosomal lawrence experiment should be illuminated from the lab syllabus, instead diosaphila (fruit fly) experiment added.

Biophysics and Bioinstrumentation:

Slightly modification in the centrifuge and its types. updation of text books.

Microbiology:

members suggested to add algae (speci-fic type) in the syllabus.

Bioinstrumentation, Biochemistry, microbiology. Practical

Slight modification in the syllabus PAGE, AGE are removed from the syllabus. instead Colorimetry, P^h meter Spectrophotometer, HPLC, PCR and ELISA reader are added to the syllabus. microbiology part- Hanging drop for motility alone. staining bacteria- Endospore.

S-DNA Technology

The experts suggested to change slight modification in syllabus.

Genomics, Proteomics and Bioinformatics

There is no much modification in the syllabus. only Reference books to be updated.

Animal Biotechnology

There is a change in the syllabus that unit - 2 & 3

unit II will be unit III and unit IV will be unit V slight
 enter change in the syllabus, contamination, addition of
 WF method with PLO and SOL, unit IV, Stem cells and
 their types and application (Hemophilia, cloning addition
 'chroma', cytotoxicity CMT assays). Text books to be updated.

Practical BTP plant tissue culture & Bioprocess technology:

addition of callus culture, micropropagation and
 Bio composting suggested by the experts.

Nanobiotechnology

member suggested to include SEM, TEM, DSC-D
 structure in the syllabus updation in the text books.

Online exams

experts shared their views in conducting online
 exams, members also shared their trouble shoot in,
 second to giving online exam.

Agenda 2:

(PG Syllabus)

The experts suggested the Committee to form a
 Committee to guide the students for applying fellowship
 various schemes offered by various national and
 international funding agencies to encourage the students
 to work in the countries. This Committee may be
 headed by a co-ordinator for particular Programme.

- Related to PG Students Project: summer internship
 must be made compulsory as the Department follows
 for UG final year students. PG students during final
 year project if they are interested to work in
 central institute they will be given permission. Hosted
 students only.

Bioestat and Bioenotumetatin

Slight modification in the syllabus.

Central tendency should be added, Graphical representation must be added which was suggested by the experts and SPSS, 'R' softwares must be added to the syllabus. Mass spectrophysics instrument was to be added.

Biochemistry and microbiology labs:

There is no change in the syllabus

Cell and molecular Biology

There is no modification in the syllabus.

Practical Animal Biotechnology & Immunology:

Animal handling subjected for Ethical Committee or video presentation can be made, which was suggested by the expert

Pharmaceutical Biotechnology:

member suggested slight modification in the syllabus.

Genomics, Proteomics & Systems Biology:

no change in the syllabus.

Practical PBTA BPT

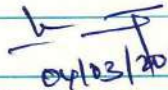
Addition of Bioinformatics topics in practical suggested by the experts and chairman. No changes were made in CNMF - non major elective papers and ATC papers.

Assignments and seminars were made compulsory for PGs.

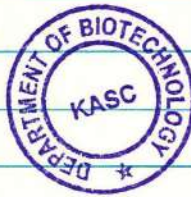
Online exams - trouble shoots were explained from the student side and Committee suggested their views. expert suggested their comments.

The experts suggested to make co-ordinator in the I-P.G itself, the co-ordinator was an employee

to take care of the students and separate guides are allotted as concern class tutors are advised to take care of the student's interests. Students Project centres are monitored and Prior Permission should be obtained from the Department. The feedback from all the stakeholders were collected and analysed.

  04/03/2017

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