

MINUTES OF THE BOARD OF STUDIES MEETING. 61 IN BIOTECHNOLOGY.

The 12th meeting of the Board of Studies in Biotechnology in the Autonomous Scheme under "CBCS" was held on Friday 13.03.2015 at 10:30am in the Department of Biotechnology.

The Chairman of the Board presided over the meeting and the following members were present:

DR. R. SUBASHKUMAR	CHAIRMAN	<i>[Signature]</i> 13/3/15
DR. R. SATNISHKUMAR	UNIV. MEMBER	<i>[Signature]</i> 13/3/15
DR. P. LOGANATHAN	SUBJECT EXPERT (GABI ARTS)	<i>[Signature]</i> 13/3/15
DR. R. THIRUVANANASAMPANDAN	MEMBER	<i>[Signature]</i> 13/3/15
DR. B. LAKSHMANKUMAR	"	<i>[Signature]</i> 13/3/15
DR. N. SRINATH	"	<i>[Signature]</i> 13/3/15
DR. V. BHUVANESHWARI	"	<i>[Signature]</i> 13/3/15
DR. M. KALAISELVI	"	<i>[Signature]</i> 13/3/15
DR. P. SENTHILKUMAR	"	<i>[Signature]</i> 13/3/15
MS. R. AMSAVENI	"	<i>[Signature]</i> 13/3/15
DR. S. R. MADHANSHANKAR	ALUMINI MEMBER	<i>[Signature]</i> 13/3/15
MS. H. LAKSHMI PRIYA	STUDENT INVITEE	<i>[Signature]</i> 13/3/15
MS. R. JANANI	"	<i>[Signature]</i> 13/3/15

The Chairman welcomed the member of the Board of studies in Biotechnology and the members were introduced.

The Chairman then briefly explained the happening of the 11th meeting of Academic Council.

AGENDA 1:-

The details of previous 11th Academic council meeting were discussed and changes regarding practicals hours for UG. (To change "end semester practical" for III year to "semester practical")

AGENDA 2:-

Changes and improvements in the UG and PG syllabi, curriculum and scheme in examination.

UG BIOTECHNOLOGY

1) ^{Input} Core paper 1:- Cell Biology,
Board members had suggested to change credit from "5" to "4" credits. No changes were made in the syllabus.

2) Core Paper 2:- Genetics
No changes were made in the syllabus.

3) Core Practical 1:- Cell Biology and Genetics.
Board members had suggested to change credit from "2" to "3" credits.

4) Core Paper 3:- Biochemistry
As per the revision done in 12th Academic Council meet, no changes were made.

5.) Core paper 4 :- Microbiology

As per the revision done in 11th Academic Council meet, no changes were made.

6.) Core practical 2 :- Genetics and Microbiology

Board members suggested to change the title "Genetics and microbiology" as "Biochemistry and Microbiology".

7.) Allied C.P. 1 - C-Programming and Numerical methods:-

Board members strongly recommended to change the title and syllabus as "Pearl and C Programming with Numerical methods".

8.) Allied C. Pr 1 - C-Programming Lab,

Board members strongly recommended and suggested to include and change the syllabus as "P. Lab in Pearl and C-Programming".

9.) Board members suggested strongly to include 1 hour as "guided library hour" in 1st and 2nd semester.

10.) Semester V :- Core P. 5, Core P. 6, Core P. 7, Core P. 8

As the changes were made and revised in 11th Academic Council meet, no changes were made.

11.) C. Pr. 4 :- Bioprocess technology, Plant and animal tissue culture.

Board members suggested to change the title as "Bioprocess technology, Plant and Animal Biotechnology and Bioinformatics". Board members also suggested to make this practical and exam to be "made in VI semester" instead of ~~IV~~ V semester.

12.) Semester VI :- C.P. 9, C.P. 10, C.P. 11, C.P. 12

As per the 11th Academic council meet, ~~the~~ the syllabus was revised. No changes were made in 12th Board of studies.

13.) SKILL BASED SUBJECTS:-

Board members suggested to change the title of the subject and to re-order the subject as per the need. They are:-

Paper I - General Awareness

Paper II - Human Anatomy and Physiology

Paper III - Infectious diseases and diagnostics

— to be made as paper IV

— suggested to include more "molecular techniques in disease related diagnosis".

Paper IV - Health Assessment and Management

— suggested to be made as paper III.

— suggested to include and revamp Unit I

14) 14UBT5ST - Compulsory summer training. Board members suggested to change from "compulsory" to "optional" and to provide "extra credits as 2".

15.) Project:-

Board members suggested to change project hours of 2 hours ~~to~~ and to "split 1 hour for project in each V and VI semester". instead of 2 hrs in VI semester

PG BIOTECHNOLOGY

16) Core Paper 1:- Biochemistry.

As per the revision done in 11th Academic council meet, no changes were made.

17.) Core Paper 2:- Biostatistics and Bioinstrumentation

As per the revision done in 11th Academic council meet, no changes were made.

18.) Core paper 3:- Molecular Biology and Molecular Genetics.

Board members suggested to change the title as "Cell Biology and Molecular genetics". In Unit I, members had suggested to add more details about "cell signalling with specific

mechanism and functions". They have suggested to modify all the topics in Molecular Genetics. Members have also recommended to include late edition books - iGenetics by Russell, Cooper - Genetics - as Textbooks. They have suggested to add - Lodish - Molecular Cell Biology, Alberts - Cell and Molecular Biology and Genes - Levin - as Reference Books.

19.) C.P. 8 :- Nanobiotechnology and IPR.

Board members have strongly suggested to change title and syllabus as "Environmental Biotechnology and IPR" and to add "Nanobiotechnology" as "Major Elective paper".

20.) C.Pr. 4 :- Lab in Molecular Biology and Genetic Engineering.

Board members have strongly recommended to change title and practicals as "Molecular Biology Bioprocess technology and Environmental Biotechnology".

21.) C.P. 7 :- Genetic Engineering.

Board members have strongly suggested to bring "Genetic Engineering" in "III semester" instead of II semester.

22) C. P. 9 :- Bioprocess Technology

Board members have suggested strongly to bring "Bioprocess Technology" in "II semester" instead of III semester.

23) C. P. 11 :- Genomics and Proteomics.

Board members have recommended to change the title as "System Biology". No changes were made in the syllabus.

24) C. Pr. 5 :- Lab in Bioprocess technology and Plant Biotechnology

Board members have strongly suggested to change the title and practicals as "Genetic Engineering and Plant Biotechnology".

25) Major elective paper :-

a) Computation Biology.

Board members suggested to reframe the new syllabus as "Pharmaceutical Biotechnology" and to include more about industrial processes.

b) Environmental Biotechnology

Board members have suggested to make "Environmental Biotechnology" as core paper in II semester and to bring "Nanotechnology" as majorelective paper.

26.) Non Major Elective Papers:-

a) Food technology

Board members suggested to change the title and revamp the syllabus as "Food Processing Technology".

b) Communication and Soft skills.

Board of Studies members strongly suggested "Communication and soft skills" - to change the "online system of examination" to "Practical evaluation" in both CIA exams and in End of semester exams.

feedback was collected from all the stakeholders and were analysed.

13/03/15
CHAIRMAN

Dr. R. Subashikumar, M.Sc., Ph.D.
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PRINCIPAL

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