

Dr.N.G.P. ARTS AND SCIENCE COLLEGE
(Autonomous)

Department of Biotechnology
Minutes of BOS Meeting
(UG & PG Biotechnology)

Date: 10.06.2015

Venue : Department of Biotechnology

Time: 10.00 am

The meeting was started by the welcome address given by DR.V.Shanmugaraju, Head, Department of Biotechnology and then members were introduced to the board.

The following points were discussed:

B.Sc Biotechnology:

Semester I:

- In core paper Cell Biology, Cell – Cell signaling and its types can be included in Unit V.

Semester II:

- In core practical - Lab in Genetics, Isolation of antibiotic resistant Mutants and Isolation of DNA from epithelial cells experiments can be included.
- In Allied practical Biochemistry, Amino acids separation by Paper chromatography and TLC can be included instead of Preparation of Albumin from egg and Preparation of starch from Potato.

Semester III:

- The core paper Techniques for Biology can be given as a skill based subject in Semester IV.
- Core Paper Molecular Biology and Core practical – Lab in Molecular Biology of semester IV may be included in semester III.

Semester IV:

- Core paper Environmental Biotechnology may be shifted to semester V and Core paper Immunology in semester V can be given in semester IV.
- Core practical- Lab in Immunology can also be included in Semester IV.

Semester V:

- In core paper Environmental Biotechnology Unit V can be replaced by Bioremediation, Methods of Bioremediation, Advantages and Disadvantages of Bioremediation.
- Environmental Biotechnology Practical can also be combined with the Core Practical V.
- Core paper Animal Tissue Culture can be renamed as Animal Biotechnology.
- Industrial/Institutional training can be included as Skill Based Subject.

Semester VI:

- Instead of Skill based subject Pharmaceutical Biotechnology, one more core paper – Bioethics, Biosafety and IPR can be included.

In Elective papers the following changes were suggested:

- Pharmaceutical Biotechnology, Bioresource Technology, Principles of clinical trials and Bionanotechnology can be given as Electives instead of Downstream processing, Entrepreneurship Development, Bioethics & IPR and Food processing and preservation.

In addition to above suggestions the following were also suggested:

- For EDC 25% of internal marks should be included (12 marks)
- Credits of the Skill Based subject can be reduced from 4 to 2 or 3.
- Suggestions were given by the experts to offer group based electives in future.

M.Sc Biotechnology:

Semester I:

- In Core paper Cell and Molecular Biology, Eukaryotic gene regulation can also be included in Unit V.
- Amino acids separation by Paper chromatography and TLC can be included in Core Practical I.

Semester II:

- Cancer Biology should be combined with Immunology.
- Instead of Cancer Biology Proteomics & Genomics may be included.

Semester III:

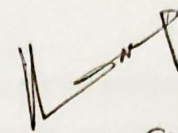
- Downstream Processing paper should be combined with Bioprocess Technology of Second Semester.
- Instead of Downstream Processing, Bioethics, Biosafety and IPR can be included.
- Semester IV Environmental Biotechnology paper should be shifted to Semester III and Semester III Research methodology can be shifted to Semester IV.
- Replace the Institutional/Industrial training evaluation from Semester III to Semester IV.
- Core Practical IV can be combined with Core Practical III.

Semester IV:

- Total marks for Project should be increased to 150 and credits should be as 6.
- Suggestions were given not to keep any practical in Semester IV.

In Elective papers the following changes were suggested:

- Agricultural Biotechnology and Molecular modeling & Drug Designing can be replaced by Bionanotechnology and Principles of Clinical Trials.


(DR. V. SITHANMUGAKAVU)

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DEPARTMENT OF BIOTECHNOLOGY

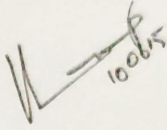
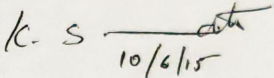
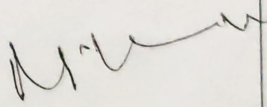
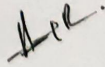
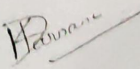
BOARD OF STUDIES MEETING MINUTES
(UG & PG BIOTECHNOLOGY)

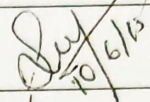
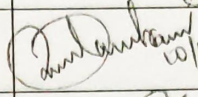
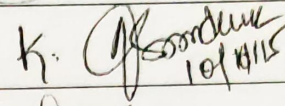

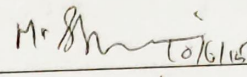
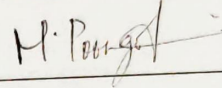
Venue: Biotechnology Department

Date : 10th June 2015

Time : 10.00 AM.

The following members were present for the meeting

S. No.	Name & Designation	Signature
1	Dr. V. Shanmugaraju BOS - Chairman Professor and Head, Department of Biotechnology, Dr. N.G.P. Arts and Science College, Coimbatore - 641 048.	
2	Dr. K. Swaminathan, VC Nominee Professor & Head Department of Microbial Biotechnology, Bharathiar University, Coimbatore - 641 046.	
3	Dr. P. Gautam, Nominated by Academic Council Professor, HOD, Department of Biotechnology, Director, Centre for Biotechnology Anna University, Chennai - 600 025.	-
4	Dr. Muthukalingan Krishnan, Nominated by Academic Council Professor and Head, <i>Prjyem xch cin</i> Insect Molecular Biology Lab, Department of Environmental Biotechnology, Bharathidasan University, Tiruchirapalli - 620 024.	
5	Dr. Hari Saranraj, Industrial Expert Research Officer, Spic Agro Biotech Centre, Coimbatore - 641 101.	
6	Ms. Darsana K Alumni Biotechnologist, Tissue Culture Lab, Vegetable and Fruit Council Keralam, Alathur, Palakkad, Kerala	

7	Mr.Arun.P Assistant Professor - Member	 10/6/15
8	DR.P.Chidambara Rajan Associate Professor - Member	 10/6/15
9	DR.K.Arungandhi Associate Professor - Member	 10/6/15
10	Ms.M.Yamuna Assistant Professor - Member	
11	Ms.M.Shanmugavadivu Assistant Professor - Member	 10/6/15
12	DR.M.Poongothai Assistant Professor - Member	
13	DR.L.Nivetha Assistant Professor - Member	