

**Department of Plant Biology and Biotechnology  
Loyola College, Chennai – 600 034**

**Action taken Report on Restructuring of Curriculum**

Minutes of the Staff Meeting held on 30<sup>th</sup> November 2015 at 11.30 a.m. in the MRF Hall,  
Department of Plant Biology and Biotechnology, Loyola College, Chennai – 600 034.

**Members Present:**

| S.No | Name                         | Designation               |
|------|------------------------------|---------------------------|
| 1    | Dr. P. Agastian              | Associate Professor       |
| 2    | Dr. R. Ravindhran            | Associate Professor       |
| 3    | Dr. J. Joel Gnanadoss        | Assistant Professor       |
| 4    | Dr. G. Jeya Jothi            | Assistant Professor       |
| 5    | Dr. I. Jaquiline Chinna Rani | Assistant Professor       |
| 6    | Prof. Antoine Lebel          | Associate Professor & HOD |

**Agenda:**

1. Review the UG curriculum (2012) based on the feedback of various stake holders and the recommendation of the academic audit committee
2. Suggestions for change in curriculum based on the feedback.

**Discussions during the meeting:**

The members reviewed the present UG curriculum (2012) based on the feedback report of various stakeholders namely staff, students, alumni, industrial experts and also based on the recommendation of the academic audit committee.

The staff members felt that there was a need to restructure the curriculum based on the feedback. During the discussions, it was decided to retain certain papers, modify certain papers, merge some papers (two papers into one), and also introduce some new papers. It was also felt that some of the papers can be shifted to other semesters

After thorough discussion, the staff suggested the following papers to be offered during the restructuring. It was also decided that the staff may start preparing the syllabus for the following papers to be sent to experts for opinion before presenting in the Board of Studies.

List of Papers Suggested to be offered during the Restructuring of UG curriculum:

| Semester | Course Title  |
|----------|---|
| I        | Algae And Bryophytes  |
| I        | Fungi   |
| I        | Laboratory course - I(algae, bryophytes& fungi)                                       |
| I        | Basics of Plant Biology   |
| I        | Allied Practical I  |
| II       | Pteridophytes, gymnosperms and paleobotany  |
| II       | Plant anatomy and embryology  |
| II       | Laboratory course -II (pterido. Gymno. And paleo bot. & plant anatomy and embryology) |
| II       | Applied microbiology  |
| II       | Applied microbiology practical  |
| III      | Microbiology  |
| III      | Cell biology and evolution  |
| III      | Laboratory course - III (microbiology, cell biology and evolution                     |
| IV       | Angiosperm taxonomy and economic botany   |
| IV       | Laboratory course – IV (Ang. Taxon and eco. Bot)                                      |
| IV       | Biological techniques   |
| IV       | Biological techniques lab   |
| IV       | Horticulture and landscaping  |
| IV       | Horticulture and landscaping lab  |
| V        | Principles of agriculture   |
| V        | Principles of agriculture lab.  |
| V        | Bioinformatics and biostatistics  |
| V        | Bioinformatics and biostatistics lab  |
| V        | Plant physiology  |
| V        | Genetics and plant breeding   |
| V        | Ecology, phytogeography and forestry  |

List of Papers Suggested to be offered during the Restructuring of PG curriculum :

| Semester | Course Title   |
|----------|--|
| I        | Cell and Developmental Biology                         |
| I        | Biochemistry   |
| I        | Microbiology   |
| I        | Immunology   |
| I        | Lab -I (Cell &Dev. Bio / Bio.chem.)                    |
| I        | Lab - II ( Microbiology/ Immunology)                   |
| II       | Molecular Biology and Genetic Engineering              |
| II       | Fermentation Technology                                |
| II       | Environmental Biotechnology                            |
| II       | Lab - III ( Mol.Bio&Gen.Eng/ Fer.Tech / Env. Biotech.) |
| II       | Human Genetics   |
| II       | Bioanalytical Techniques                               |
| III      | Animal Biotechnology                                   |
| III      | Plant Biotechnology                                    |
| III      | Research Methodology and Bioinformatics                |
| III      | Lab - IV (Animal Biotech. / Plant Biotech.)            |
| III      | Nanotechnology   |
| III      | Cancer Biology   |
| III      | Principles of Food Processing                          |

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2024-2025

| Semester | Course Title  |
|----------|---|
| V        | Laboratory course- V (plant physiology)   |
| V        | Laboratory course-VI (Genetics and pl. Breeding & ecology, phytogeography and forestry) |
| V        | Production of mushroom, biofertilizers and single cell protein                          |
| VI       | Plant diseases and management   |
| VI       | Herbal sciences and ethnobotany   |
| VI       | Laboratory course- VII (Plt. Dis.and Mang.,& Herbal sciences and ethnobotany)           |
| VI       | Microbial technology  |
| VI       | Environmental biotechnology   |
| VI       | Laboratory course-VIII (microbial tech. & env. Biotech)                                 |
| VI       | Plant biotechnology   |
| VI       | Laboratory course- IX ( plant biotechnology)  |

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