



ST ALOYSIUS COLLEGE (AUTONOMOUS)

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Re-accredited by NAAC with 'A' Grade with CGPA 3.62/4
Ranked 95 in College Category – 2021 under NIRF, Ministry of Education, Government of India
Recognised as Centre for Research Capacity Building under UGC-STRIDE Scheme
Recognized under DBT – BUILDER Scheme, Government of India
College with “STAR STATUS” Conferred by DBT, Government of India
Recognised by UGC as “College with Potential for Excellence”

DEPARTMENT : BOTANY

MINUTES OF THE BOS MEETING

A meeting of the Board of Studies in BOTANY was held on 19 – 11 – 2021 at 10: 00 AM in X 209 (Online) to discuss the following agenda:

1. Assessment of previous semester results of BSc Botany
2. Implementation of NEP and Scrutiny of syllabus for Semester I & II
3. Evaluation of Practical Syllabus
4. Assessment of Criteria for Internal Examination for Semester I & II
5. Discussion of Question paper pattern for End semester Examination
6. Any Other Matter

Members present:

External Members :

Vice Chancellor nominee -

1. Dr Raju Krishna Chalannaver - Professor, Department of Applied Botany, Mangalore University, Mangalagangothri – 574199

Subject Experts -

2. Dr Giby Kuriakose - Asst Professor ,PG Dept of Botany, Sacred Heart College, Thevara , Kochi , Kerala ,India – 682013
3. Dr Vijayalaxmi C Bhat - Asst Professor, Dept of Botany, Poorna Prajna College, Udupi – 576101

Meritorious Alumnus -

4. Dr Madhumathi B. S - Programme Manager, Perfect Day India Pvt. Ltd, Electronic City, Bangalore - 100

Internal Members :

5. Dr Jyothi Miranda, Chairperson & HOD
6. Ms Shilpa B
7. Dr Sana Sheik
8. Ms Akshitha Ramachandra Amin

Note - Duly signed feedback forms from the External Board members is collected.

Agenda 1: Assessment of previous year results of BSc Botany

Discussion/Suggestions: Dr Sana presented the results of the previous year 2020-21 of both odd and even semesters. Students who were unable to attend the same were given the provision of special examination during Oct-November. Mode of teaching were also discussed which included blended methodology. No clarifications were asked by the board members regarding results.

Resolution: Board members approved the results.

Action taken: NIL

Agenda 2: Implementation of NEP and Scrutiny of syllabus for Semester I & II

Discussion/Suggestions: Dr Giby and Dr Madhumathi asked for clarification regarding Project work for First Semester Students regarding the evaluation pattern and topics and research areas to be included as Project work . Dr Jyothi suggested that Field visits, Specimen Collection could be included. Adding to that Dr Madhumathi suggested to include Model studies while Dr Vijayalaxmi suggested to include viral and bacterial disease collection. Dr Giby also suggested that the criteria of project work assessment should be in alignment with the NAAC Criteria and OBE system. Dr Giby insisted that Programme Outcome and Aims of bachelor degree programme in botany also to be followed as per NAAC criteria and OBE system. Dr Giby suggested renaming the chapters as modules. Dr Jyothi also mentioned that in each unit the subdivision is made as modules in a Discipline specific course as well as in a optional subject. Dr Giby suggested change of distribution of Microbes to habitat of microbes in Unit 1 of Semester I paper and also the removal of the topic Contribution of Indian Microbiologist in Semester I paper. Dr Jyothi suggested to include the topic of Cyanobacteria in Semester I rather than Semester II and to that Dr Giby suggested not to include it in the first semester instead to retain it in the second semester paper as these prokaryotic forms contains chlorophyll . Dr Giby suggested removal of Neurospora and Trichoderma and include Saccharomyces in Unit IV. He also suggested restricting control measures of other diseases and focusing more on Local disease. The meeting continued with the discussion on the Open Elective Paper. Dr Giby suggested the

change of title of the course from Plant and Human Welfare to Plants for Human Welfare and suggested reframing the objectives of the Open Elective Course.

In continuation of 2nd semester syllabus discussion ,Dr Giby suggested the general cultivation of algae to be included. Dr Giby also suggested removing Scytonema type study. Dr Giby suggested text books to be included under references

Resolution: Board members agreed to pass the NEP syllabus implemented by Mangalore University with modifications

Action Taken: Modification approved by the board are considered

NEP Syllabus under Mangalore University	NEP Syllabus to be proposed 2021 onwards	Reasons
SEMESTER I		
Chapters	Modules	Modules are usually used as sub divisions in the units of subject papers.
Chapter 1 - Distribution of microbes in soil, air, food and water	Habitat of Microbes in soil....	Since Distribution will be very diverse and elaborate, Habitat will help in being specific about the topic
Chapter 2 Contributions of any two Indian microbiologists.	Removal of Contribution of Indian Microbiologist	Since specific contributions are relatively less.
Chapter 3 Microscopy- Working principle and applications Microbiological stains (acidic, basic and special) and Principles of staining.....	Chapter 3 is divided into two separate modules	As microscopy and staining of bacteria do not go along well. therefore they are placed under 2 separate chapters.
Chapter No. 8. Viruses- General structure and classification of Viruses.....	Prions is added to title	since it is mentioned in the curriculum
Chapter No. 11. Type study: Morphology of Phytophthora, Rhizopus, Neurospora, Puccinia, Penicillium and Trichoderma.	<i>Phytophthora, Rhizopus, Penicillium, Puccinia, Saccharomyces</i>	since <i>Trichoderma</i> and <i>Neurospora</i> are highly advanced forms and <i>Saccharomyces</i> is added since they are essential It is preferable to study Local disease
Chapter 12 - Lichens -	symbiotic association	Subtitle is added

Structure and reproduction. Microbial plant diseases- Late Blight of Potato, Black stem rust of wheat; Downy Mildew of Bajra, Grain smut of Sorghum, Sandal Spike, Citrus Canker, Root Knot Disease of Mulberry.	Structure, brief account of crustose, foliose and fruticose, asexual reproduction. VAM Fungi and their significance. Microbial plant diseases- Koleroga of Arecanut, Blast Disease of Rice; Black stem rust of wheat; Red rot of sugarcane, Sandal Spike, Citrus Canker, Root Knot Disease of Brinjal.	Curriculum was not elaborately mentioned
SEMESTER II		
Chapter No. 2 Morphology and reproduction and life-cycles of Nostoc...	General pigments, life cycle to be removed, Scytonema to be removed. General cultivation technique of algae to be included	Since its essential
References	Plant Systematics by Simpson incorporated	As suggested by board member

Agenda 3: Evaluation of Practical Syllabus

Discussion/Suggestions: In Practical syllabus of Semester I, Dr Giby Suggested to merge practical 6 and 7, to remove forms in the practical paper that are not taught in the theory paper and Practical 3 and 8 (Media preparation and cultivation of spirulina) could be considered for demonstration.

Resolution: Board members agreed to the modification proposed.

Action Taken: Board members approved the changes.

Agenda 4: Assessment of Criteria for Internal Examination for Semester I & II

Discussion/Suggestions: NIL

Resolution: Board agreed to pass the assessment criteria proposed by the College

Action Taken: Approved

Agenda 5: Discussion of Question paper pattern for End semester Examination

Discussion/Suggestions: Chairperson put forth question paper pattern of 2, 5, 10 marks as per software generated by the college which follows bloom's taxonomy criteria for the question paper pattern of the end semester examination.

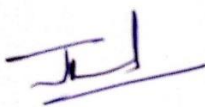
Resolution: The Board agreed to pass the question paper pattern proposed by the Chairperson.

Action Taken: Board members approved the pattern

Agenda 6: Any other Matter

Discussion/Suggestions: Dr Giby asked for clarification regarding the exit option after one year of course completion according to the NEP Syllabus. He also suggested including some Add-on courses for Botany students and Value based courses for Interdisciplinary students. Chairperson clarified that the one year exit option is not followed for the current academic year.

Dr Jyothi Miranda



Dr. Jyothi Miranda

HEAD OF THE DEPT OF BOTANY
ST. ALOYSIUS COLLEGE
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