

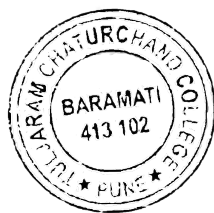
Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science and Commerce,
Baramati
(Autonomous)

Eighth
~~FOURTH~~ MEETING OF BOARD OF STUDIES IN BOTANY
(2023-24 to 2025-26)

On 09th June, 2023 at 12.00 noon on wards

AGENDA of meeting

1. Confirmation of the minutes of the previous meeting.
2. To design structure for the First Year UG & PG (Sem-I and II) according to the NEP 2020.
3. To design the syllabus according to NEP 2020 for the First Year (UG) (Semester-I) and M.Sc. I (Semester -I).
4. To introduce of at least 3 CERTIFICATE courses from MOOCs, SWAYAM, etc. on online portals for the second and third year as per the 2022 pattern.
5. Any other matter with the permission of the chair.



[Signature]
Chairman

Board of Studies in Botany

Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science and Commerce, Baramati
(Autonomous)

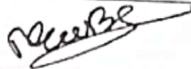
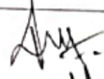
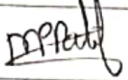
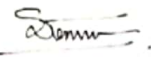
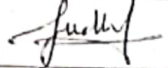
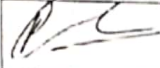


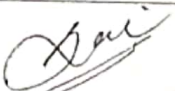
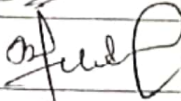
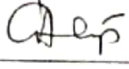

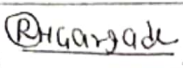
BOARD OF STUDIES IN BOTANY
(w.e.f. 2022-23 to 2024-25)

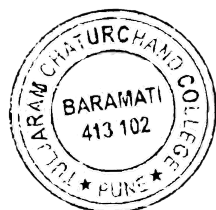
Attendance of Meeting

Meeting No. : Fourth

Day and Date : Friday, 09th June, 2023

Time : 12.00 noon onwards

| Sr. No. | Name | Signature |
|---------|---|---|
| 1 | Prof. Dr. Bhagwan Mali - Chairman |  |
| 2 | Prof. Dr. Mahadev Kanade - Member | Absent |
| 3 | Prof. Dr. Ajit Telave - Member | Absent |
| 4 | Dr. Rupali Chitale - Member |  |
| 5 | Dr. Madhuri Patil - Member |  |
| 6 | Mr. Sauraj N. Torane - Member |  |
| 7 | Ms. Ashwini B. Dudhal - Member |  |
| 8 | Mr. Prasad J. Bankar - Member |  |
| 9 | Mr. Sourabh R. Chandankar - Member |  |
| 10 | Prof. Dr. B. M. Gaykar - Member (Expert from SPPU, Pune) |  |
| 11 | Prof. D. K. Gaikwad - Member (Expert from other university) |  |
| 12 | Dr. Jay Chavan - Member (Expert from other university) |  |
| 13 | Dr. S. Gurusurthy - Member (Expert from allied area) |  |
| 14 | Mr. Gore Nitin Anil (Meritorious Student -PG) | Absent |
| 15 | Ms. Ligade Komal Sambhaji (Meritorious Student -PG) |  |
| 16 | Mr. Zodage Ram Sanjay (Meritorious Student -UG) | Absent |
| 17 | Ms. Gargade Rutuja Hanumant (Meritorious Student -UG) |  |



MINUTES OF THE MEETING

As per the Notice no. 53, dated 29/05/2023, issued by the college, the meeting of Board of Studies in Botany was successfully held on 9th June, 2023 at 12:00 noon in the Department of Botany, T. C. College, Baramati. The meeting took place offline, adhering to the guidelines and protocols set by the college. Under the guidance of Prof. Dr. Bhagawan S. Mali, Chairman of the Board of Studies in Botany, the meeting commenced with a warm welcome to all the esteemed members, followed by a brief introduction of the meeting's objectives. During the meeting, fruitful discussions were held on the items mentioned in the circulated agenda. We are pleased to inform you that the following resolutions were made during the BOS meeting.

1. To confirm the minutes of the BOS meeting held on 6th April, 2023.

The minutes of the previous Board of Studies meeting were approved and confirmed.

2. To consider and approve the course structure of the First Year UG and PG (Sem-I and II) according to the NEP 2020.

The BOS has discussed the course structure of the F. Y. B. Sc. and M. Sc. Part I as per the NEP 2020 credit structure guidelines. Taking into consideration the valuable suggestions provided by the BOS members, necessary modifications were made to the course structure. After careful consideration and thorough discussion, the final course structure has been determined, ensuring compliance with the NEP 2020.

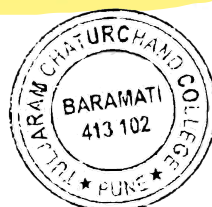
Considered and Approved:

2. To design and approve the curriculum in accordance with the NEP 2020 for F. Y. B. Sc. (Semester-I) from the academic year 2023-2024.

The board carefully designed and deliberated upon the curriculum of F. Y. B. Sc. Semester-I, aligning it with the guidelines of the National Education Policy (NEP) 2020, for implementation in the academic year 2023-2024.

The board thoroughly discussed and finalized the syllabus for the following courses of F. Y. B. Sc. Semester-I.

| | | |
|-------|-------------|-------------------------|
| Major | BOT-101-MJM | Diversity of Cryptogams |
| Major | BOT-102-MJM | Industrial Botany - I |
| Major | BOT-103-MJM | Practical - I |
| OE | BOT-116-OE | Horticulture |
| OE | BOT-117-OE | Floriculture |
| SEC | BOT-121-VSC | Fruit Processing |
| VSC | BOT-126-SEC | Organic Farming |
| IKS | BOT-137-IKS | Botany in Ayurveda |



During the discussion, certain modifications were suggested by the board members.

In BOT-101-MJM Diversity of Cryptogams, Prof. Dr. B. M. Gaykar suggested that instead of *Equisetums*, take the example of *Selaginella*.

In BOT-102-MJM Industrial Botany – I, suggestion is that add the some points regarding fruit processing industry.

In BOT-116-OE, suggestion is that add fertigation in fruit orchards instead of fertility. Another point is that add root- microbes association and model of organic farming in this paper.

In BOT-121-VSC, suggestion is to add organic fertilizers like preparation of Panchgavya and Dashparni ark.

Considered and Approved.

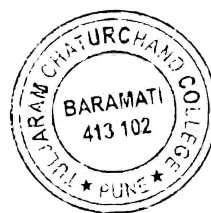
Course structure for F. Y. B. Sc. Semester – II as follows is prepared and approved in meeting.

| | | |
|-------|-------------|----------------------------------|
| Major | BOT-151-MJM | Diversity of Phanerogams |
| Major | BOT-152-MJM | Industrial Botany - II |
| Major | BOT-153-MJM | Practical - II |
| Minor | BOT-161-MN | Gardening and Nursery Management |
| OE | BOT-166-OE | Economic Botany |
| OE | BOT-167-OE | Seed Technology |
| SEC | BOT-171-VSC | Mushroom Cultivation |
| VSC | BOT-176-SEC | Plant Tissue Culture |

Considered and Approved.

3. To design and approve the curriculum in accordance with the NEP 2020 for M.Sc. Part-I (Semester-I) from the academic year 2023-2024.

The board carefully designed and deliberated upon the curriculum of M.Sc. Part-I, Semester-I, aligning it with the guidelines of the National Education Policy (NEP) 2020, for implementation in the academic year 2023-2024. During the discussion, some minor changes were suggested by the board members. The board thoroughly discussed and finalized the syllabus for the following courses of M.Sc. Part-I, Semester-I.



| Course Type | Course Code | Course Title |
|--|------------------|---|
| Major (Mandatory) | BOT -501-MJM | Plant Systematics-I |
| Major (Mandatory) | BOT -502-MJM | Cell Biology and Cell signaling |
| Major (Mandatory) | BOT -503-MJM | Botany Laboratory-I |
| Major (Mandatory) | BOT -504-MJM | Botany laboratory –II |
| Major (Elective) | BOT -511-MJE(A) | Genetics and Plant breeding |
| | BOT -511-MJE(B) | Advanced Botanical Techniques |
| Research Methodology (RM) | BOT -521-RM | Research Methodology |
| Total Credits Sem. I | | |
| Major (Mandatory) | BOT -551-MJM | Plant Systematics II |
| Major (Mandatory) | BOT -552-MJM | Plant physiology and Biochemistry |
| Major (Mandatory) | BOT -553-MJM | Botany laboratory -I |
| Major (Mandatory) | BOT -554-MJM | Botany Laboratory –II |
| Major (Elective) | BOT -561-MJE(A) | Molecular Biology and Genetic Engineering |
| | BOT -561-MJE(B) | Plant Ecology and Biodiversity |
| On Job Training (OJT)/Field Project (FP) | BOT -581- OJT/FP | On Job Training Field Project |

Finally, it was agreed that the revised curriculum would be submitted to the academic council of the college for approval.

Considered and Approved.



4. To introduce MOOC Certificate courses from SWAYAM platform for the S.Y.B. Sc. and T.Y.B.Sc. as per 2022 pattern

According to the guidelines provided by the IQAC of the college, the BOS conducted a comprehensive review and identified best fifteen MOOC courses from the SWAYAM platform related to the subject of Botany. Detailed discussions were held on each of the identified MOOC courses, considering their applicability and usefulness to the students. Subsequently, all the courses were approved, and it was determined that all courses would be submitted to the IQAC, based on the requirement and availability of courses.

MOOC courses from the SWAYAM platform.

| Sr. No. | Title of the MOOC | Link |
|---------|--|---|
| 1. | Plant groups (Credit: 04) | https://onlinecourses.swayam2.ac.in/cec20_bt11/preview |
| 2. | Economic Botany: Plant Resource Utilization (Credit: 04) | https://www.classcentral.com/course/swayeconomic-botany-plant-resource-utilization-14022 |
| 3. | Biostatistics (Credit: 04) | https://www.edx.org/course/biostatistics |
| 4. | Cell Biology: Mitochondria (Credit: 04) | https://www.edx.org/course/cell-biology |

Considered and Approved.

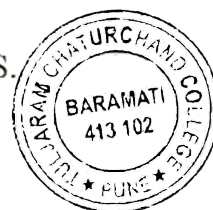
5. To adopt Learning Outcomes-based Approach to Curriculum Planning and development as per NEP 2020, LOCF (UGC), NCrf and NHEQF guidelines from the academic year 2023-2024.

The Board of Studies (BOS) engaged in a thorough discussion regarding the adoption of a Learning Outcomes-based Approach to Curriculum Planning and Development, in alignment with the guidelines set forth by NEP 2020, LOCF (UGC), NCrf, and NHEQF. It was acknowledged that this approach would enhance the quality and relevance of the curriculum, making it more responsive to the needs of students and the changing dynamics of the education field. After a detailed discussion, the Board of Studies unanimously resolved to adopt a Learning Outcomes-based Approach to Curriculum Planning and Development

Considered and Approved.

7. Any other matter with the consent of Chairperson.

The following agenda items taken as additional item in the BOS.



i) To consider the feedbacks and suggestions provided by the alumni and students of UG and PG classes while designing the syllabus of F. Y.B. Sc. And M. Sc. Part I

The Chairman initiated the discussion by highlighting the importance of incorporating feedback from both Alumni and current students in the syllabus design process. It was noted that their insights and suggestions would greatly contribute to creating a curriculum that aligns with the needs and expectations of the students. Therefore, the BOS members reviewed the feedback and suggestions given by the alumni and students and incorporated the relevant suggestions into the curriculum of F.Y. B. Sc. and M. Sc. Botany.

Considered and Approved.

ii) The board thoroughly discussed and finalized the syllabus for Ph. D. Course work.

The meeting of BOS concluded with the vote of thanks by Dr. (Mrs.) Rupali Chitale.


Chairman
Board of Studies




IQAC
Coordinator

Coordinator
Internal Quality Assurance Cell
Tuljaram Chaturchand College of
Arts, Science and Commerce,
Baramati (Pune)-413102


Principal