



Vidya Prasarak Mandal's

**B.N. BANDODKAR COLLEGE OF SCIENCE,  
(AUTONOMOUS), THANE**

DEPARTMENT OF BOTANY

**Dr.V.M. Jamdhade**  
**M.Sc.Ph.D.F.I.S.S.T**  
**Professor and Head**

Date :15.04.2025

To,  
All Esteemed Members of the Board of Studies – Botany

**Subject: Invitation to Department of Botany – Board of Studies Meeting**

Dear Sir/Madam,  
Greetings!

You are cordially invited to attend the upcoming Board of Studies (BoS) meeting of the Department of Botany. Your valuable insights and suggestions are highly appreciated as they play a vital role in shaping the curriculum and strengthening the academic standards of our Botany programs.

Please find the detailed agenda attached for your reference. If you have any questions or require further assistance, please don't hesitate to contact us.

**Agenda:**

1. Welcome and introduction of BoS members.
2. Review and discussion on the NEP-2020 syllabus for T.Y. B.Sc. Botany (Major and Minor) to be implemented from the academic year 2025–2026.
3. Discussion on examination pattern: theory, practicals, internal assessment, and field projects.
4. Review and minor revision of the NEP-2020 syllabus for F.Y. and S.Y. B.Sc. (theory, practical's and Field Project).
5. Any other matters

**Meeting Time Day and Date :1.30 PM and Saturday 19.04.2025**

We look forward to your valuable participation and contribution.

Warm regards,

  
**Prof. V. M. Jamdhade**

Chairman, Board of Studies (Botany)

V.P.M.'s B.N. Bandodkar College of Science (Autonomous), Thane

**BoS Members:** Prof. V. M. Jamdhade (Chairman), Prof. Nilesh Nemade, Dr. Bhavana Narula, Dr. Laxman Rathod, Mr. Shyam Shinde, Dr. Ushavati Shetty, Dr. Urmila Kumavat, Dr. Swarupa Agnihotri, Mr. Rahul Ozare, Dr. Jayshri Jagtap.

1

**B. N. BANDODKAR COLLEGE OF SCIENCE, (AUTONOMOUS)  
THANE**

**(Affiliation University of Mumbai)  
DEPARTMENT OF BOTANY**

The meeting of the Board of Studies of Botany was held on 19.04.2024 (Saturday) at 1.15 p.m. in the Botany Department, B.N.Bandodkar College of Science, (Autonomous), Thane (Building no.7), **Offline Mode**.

The following members were present for the discussion

**Dr. V.M. Jamdhade, Dr. Urmila Kumavat, Dr. Nilesh Nemade, Dr. Bhavana Narula, Dr. Laxman Rathod, Dr. Ushavati Shetty, Dr. Swarupa Agnihotri and Mr. Rahul Ozare**

**RESOLUTIONS**

The members had a discussion and interaction among themselves. After a fruitful discussion, the following resolution were made.

| <b>Apology of Absence-</b>    |   |
|-------------------------------|---|
| <b>Minutes of the Meeting</b> |   |
| <b>Sr.No.</b>                 | <b>Resolution details</b>   |
| <b>BOs/BOT1.1</b>             | <b>Agenda 1: Welcome all the members of the Board of Studies</b>  |
|                               | <b>Welcome:</b> The Chairman of the Board of Studies, Dr. V.M.Jamdhade BOSs of the Department of Botany, welcomed and introduced the members of the Board of Studies and thanked them all for spending their valuable time attending the meeting. The Department of Botany's Board of Studies was formed according to the UGC guidelines for autonomous colleges, Uniform Statute No.158 (Statutes framed under Section 72 (10) of the Maharashtra 1 Public Universities Act, 2016), and the Govt. of Maharashtra, Higher and Technical Education Department Notification of 14th January 2019, and they received recognition for their approval. |
| <b>BOs/ BOT 1.2</b>           | <b>Agenda No.2: Review and discussion on the NEP-2020 syllabus for T.Y. B.Sc. Botany (Major and Minor) to be implemented from the academic year 2025-2026.</b>  |
|                               | Dr. Urmila madam introduced the major, minor courses of T.Y.B.Sc. Botany to the members. Urmila madam had mentioned the addition of a Discipline Specific Course (Theory and Practical) to the major students. The Vocational Skill Enhancement Course (VSEC) was also shown to the members. Introduction of the 'Instrumentation' course to the minor students. She mentioned that minor students will attend only the semester five botany course. Elaborative talk on field projects and on job training was given by Urmila madam. Entire syllabus unit wise explained by the madam.  |
|                               | <b>Experts suggestions</b><br><br>1. In the Microbiology unit, synchronize the practicals according to the theory suggested by Dr. Rathod sir.  |



|                     |  |
|---------------------|--|
|                     | <ol style="list-style-type: none"> <li>Dr. Nemade sir mentioned in Plant Biotechnology-I &amp; Medicinal Botany unit that while taking clinical trials, students should know the protocols, SOPs, and techniques of animal handling.</li> <li>Addition of Cobalt and Molybdenum minerals and their sources and origin should be added in the Nutrition unit suggested by Dr. Nemade sir.</li> <li>In the Nutrition unit, he made a point of replacing Yogurt as a probiotic food with Curd. He proposed to add the disadvantages of food colour (Red and Green).</li> <li>He encouraged mentioning the common deficiencies of Iron, Protein and Vitamins in diet.</li> <li>In theory part of the Nutrition unit, Dr. Shetty madam recommended introducing sub points related to the advantages and disadvantages of cold drinks, Protein supplements (Artificial Vs. Natural).</li> <li>In the Nutrition unit, under the Psychobiotics sub point, Shetty madam suggested to add Anorexia nervosa, Bulimia nervosa, and Binge eating disorders.</li> <li>In semester six, Plant Diversity-IV course, Dr. Bhavna madam suggested adding one monocot family.</li> <li>In the Physiology unit, she also mentioned to add Magnesium as a macronutrient and Selenium as a micronutrient.</li> <li>In semester six, under Discipline Specific Elective Courses, Dr. Shetty had suggested the course title as 'Sustainable solutions'.</li> <li>In the Agrotourism course Dr. Bhavna madam suggested incorporating the Budgeting of the project, funding agencies, NABARD and Government schemes.</li> <li>In Cosmetology course, Nemade sir proposed to incorporate Drug and Cosmetic Act 1940</li> </ol> |
| <b>BOs/ BOT 1.3</b> | <b>Agenda No.3: Discussion on examination pattern: theory, practicals, internal assessment, and field projects.</b>  |
|                     | <p><b>Experts suggestions</b></p> <p>Esteemed members of BOS suggested taking field projects based on nutrients, nutrition, and diet. Internals can be taken on topics of pollution and toxicology</p>   |
| <b>BOs/ BOT 1.4</b> | <b>Agenda No.4. Review and minor revision of the NEP-2020 syllabus for F.Y. and S.Y. B.Sc. (theory, practicals and field project).</b>   |
|                     | <p><b>Resolution.</b> Agenda 4. To review F.Y.B.Sc. and S.Y. B.Sc. NEP Syllabus. Dr. Agnihotri presented the entire S.Y.B.Sc. syllabus. It was thoroughly discussed concerning the content that will be offered through the Botany Major, Minor, and Generic.</p> <p><b>Experts suggestions</b></p> <ol style="list-style-type: none"> <li>Dr. Shetty madam recommended thinking about field project topics such as 'Study of lakes' or Parameters related to lakes.</li> </ol> <p><b>Resolution:</b> Mr. Ozare sir presented F.Y.B.Sc. syllabus.</p> <p><b>Experts suggestions</b></p> <ol style="list-style-type: none"> <li>Bhavna madam suggested to incorporate the careers in Private industry topic in Thallophyta and Economic Botany course.</li> </ol>   |

|                    |  |
|--------------------|--|
|                    | <p>2. She also mentioned to shift the topic of hydroponics from anatomy unit to horticulture.</p> <p>After a thorough discussion, the board approved the syllabus of T.Y., S.Y. and F.Y. B.Sc. with minor changes.</p> |
| <b>BOs/BOT 1.5</b> | <b>Any other-Feeb back</b>   |
|                    | <p>The department received positive feedback from industry experts, acknowledging the practical relevance of the curriculum. The Chairman shared feedback analysis from students, alumni, teachers, and industry.</p>  |
|                    | <p><b>Vote of thanks:</b> The meeting concluded with a vote of thanks by Dr. Urmila Kumavat.</p>   |







*Handwritten signature in blue ink.*