

Department of Botany

Minutes of the BOS meeting held on 22nd August 2019 at 11.00am in Alumni room

Agenda No.1: Confirmation of the Minutes of the earlier BOS meeting held on 07th March, 2019 at 11.00 pm in Alumni room.

The minutes of the meeting had been circulated to the members. No comments were received. The minutes have been confirmed during the BOS meeting.

Agenda No.2: Action taken / Not Taken on the minutes of earlier meeting.

All changes discussed in the earlier BOS meeting were incorporated in the curriculum.

Agenda No.3: Minor changes in modalities

Minor changes were made in the modalities that were passed in the earlier meeting:

- Open book test replaced by assignment
- SY class test made online without negative marking
- No 100% option for questions in semester end examination

Agenda No.4: To audit the question papers of the earlier semester

Questions papers were audited by the external members and were passed.

Agenda No.5: To review the feedback of students on the Curricula.

Feed back on curriculum was taken in the month of March 2019 and was discussed in the BOS held in the month of April 2019. The changes in curriculum were then made based on the students' feedback. This academic year feedback will be taken in the month of September.

Minutes of the meeting of the Board of Studies in Botany

held on 6th April 2020 at 11.00am on Zoom

The 2nd meeting of the Board of study in Botany for the Academic year 2019-20 was held on 06.04.2020 at 11:00 am online on Zoom platform. The following members attended the meeting:

External faculty members present for the meeting:

- 1. Dr. Rajendra Shinde**
- 2. Dr. D.G. Naik**
- 3. Dr. P.S. Nagar**
- 4. Dr. Anuradha Upadhye**
- 5. Dr. Neelam Naik**

Internal faculty members of the Department present for the meeting:

- 1. Dr. Jessy Pius**
- 2. Dr. Bhavna Narula**
- 3. Dr. Manjusha Nikale**
- 4. Dr. Sunil Shankhadarwar**
- 5. Ms. Anjali Lade**
- 6. Ms. Gauri Sawant**
- 7. Ms. Bhakti Sapkal**

Dr. Anushree Lokur, Principal, Ramnarain Ruia Autonomous College was present for the meeting.

The meeting was hosted by Dr. Sunil S. D and the meeting was convened by Head of the Department of Botany, Dr. Jessy Pius.

Agenda Item No. 1: To pass the Minutes of the earlier meeting held on 22nd August 2019

The minutes of the meeting had been circulated to the members. No comments have been received. The minutes were confirmed.

Agenda Item No. 2: Action taken on the minutes of earlier meeting.

All minor changes proposed in the syllabus were incorporated and the syllabus for the Ph D course work was passed. The syllabus was submitted to Research committee of the college. The Research committee has decided to have a common course work syllabus for all Ph D students of Biological science.

Agenda Item No. 3: To propose the changes in the syllabi and approve the same for UG.

Dr. Jessy Pius briefed the members about the proposed changes made in UG syllabus. In the existing syllabus, since Microbiology and Horticulture are only at TY level, the Department felt that it should be introduced from FY level. FY students also had suggested plant cultivation in their feedback. Also minor changes were made in Pharmacognosy, Ecology, Bioinformatics, Physiology and taxonomy either to bring clarity to the syllabus, or to bring flow to the syllabus from FY to TY.

Following were proposed changes in the syllabus:

- From the evolutionary point of view Basics of microbiology was proposed in FY followed by reproduction in bacteria and about plant growth promoting bacteria in SY and about soil bacteria in TY.
- Basics of Horticulture and propagation by cutting in FY, followed by propagation by layering, grafting and budding in SY and introduced horticulture in Rural development in TY AC.
- To bring a flow in Physiology along with Photosynthesis in FY introduced macro and micronutrients and structure of amino acids and in SY introduced enzymes along with structure of carbohydrates and carbohydrate metabolism and water potential along with translocation of solutes in TY, also vegetative and reproductive growth were brought together in TY.
- Along with the families from FY to M Sc, students will also study the morphology of their pollen grains.
- Bioinformatics syllabus was reframed from SY to M Sc and software used for sequence analysis ie CLUSTAL W was replaced by MUSCLE, MEGA for protein and nucleotides.
- In Pharmacognosy, basics of secondary metabolites, their extraction methods were added, also in practicals existing examples were replaced by easily available ones.
- In Ecology from FY to TY minor changes were made to bring clarity to the syllabus.

Discussed:

- FY B Sc –Suggested by Dr. DG Naik- Test for alkaloids and tannins: Instead of spot test, TLC can be performed.
- FYBSc: Suggested by Dr. P S Nagar & Dr. Anuradha - Family Apocynaceae to be taught along with family Asclepiadaceae, Solanaceae to be taught along with Convolvulaceae and Family Mimosaceae, Caesalpiniaceae and Papilionaceae to be taught simultaneously.

- FYBSc: Suggested by Dr. P S Nagar-Gymnosperms classification: Along with Chamberlain's classification, Sporne's classification can be highlighted during lecture.
- SYBSc: Suggested by Dr. P S Nagar_Family Asteraceae and family Apiaceae can be taught simultaneously in the same year.
- TYBSc: Suggested by Dr. P S Nagar_Family Acanthaceae and Verbenaceae can be taught simultaneously in the same year.
- TYBSc : Suggested by Dr. Shinde-Integrated versions of Bentham and Hooker's classification to be referred.
- TYBSc, Instrumentation unit – LCMS (basics) can be taught along with GCMS
- TY AC : Suggested by Dr. Anushree Lokur to add transgenic plants in plant protection, Dr. Naik suggested that bee attractants and their role in agriculture to be add in apiculture topic.

Resolved that: All proposed changes have been approved by BoS external members and All suggestions given by the external members were incorporated in the syllabus as follows:

- Family Solanaceae is kept along with Convolvulaceae in FYBSc
- Combretaceae and Myrtaceae; Brassicaceae and Capparidaceae have been kept together in SYBSc also Rubiaceae has been brought to SYBSc as a representative of the Gamopetalae group.
- Magnoliaceae and Rutaceae have been introduced in TYBSc Sem 5, Asteraceae has been kept with Umbelliferae and Polygonaceae has been shifted from sem 6 to Sem 5.
- In TYBSc sem 6, Apocynaceae has been kept with Asclepiadaceae, Scrophulariaceae has been reintroduced and Acanthaceae has been kept with Verbenaceae.

Agenda Item No. 4: To propose the changes in the syllabi and approve the same for PG.

Discussed:

- MSc Semester I : Suggested by Dr. P S Nagar and supported by Dr. Shinde_-merged version of Smith, Bold and Zimmerman classification to be included.
- MSc Semester I RPSBOT104 Unit II: Suggested by Dr. DG Naik -In instrumentation- LCMS, NMR , 2D-NMR, ICP AES techniques to be added.

Resolved that: All proposed changes have been approved by BoS external members

and All suggestions given by the external members were incorporated in the syllabus

Agenda Item No. 5: To decide on the changes in the modalities of assessment

- proposed that in FY and SY semester end question paper first three questions will be of 16marks and 4th question will be of 12M (any 3questions out of 5)

Discussed: The change in the marking pattern in FY and SY BSc semester end examination

Resolved that: the proposed change in the FY and SY semester end question paper marking pattern have been approved.

Agenda Item No. 6: To approve 2-4 Certificate Courses offered by NPTEL Swayam /MOOC.

Discussed: The selected value added courses on NPTEL / Swayam for both UG and PG students were discussed

Resolved that: All selected, proposed online courses were approved by BoS

Agenda Item No. 7: To propose Certificate course/s

- Proposed a certificate in 'Techno-Commercial aspects of Urban farming'-45hrs, 3credits

Discussed: The proposed certificate course was presented in front of the members and discussed.

Resolved that: The proposed certificate course was approved by BoS

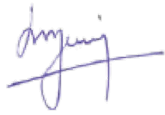
Agenda Item No. 8: To review the feedback of students on Curriculum

Discussed: Feed back on curriculum was taken online from both UG and PG students in the month of March 2020.Feedback analysis report was discussed.

Resolved: During the discussion of agenda no.3 and 4 external members were made aware that the Some of the changes made in the curriculum was based on the students feedback. The changes were approved by them.

Agenda Item No. 9: Any other matter with permission of the Chair.

No other matter was discussed. Dr. Jessy Pius thanked all the BoS members for attending the meeting on Zoom and the meeting was concluded.



Dr. Jessy Pius
Associate Professor & Head,
Department of Botany

Proof of attendance:

