



ST. XAVIER'S COLLEGE
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DEPARTMENT OF BOTANY

Action Taken Report – Student Feedback

Board of the Studies- 7th March 2020

STUDENTS FEEDBACK

1. Ms. Simrin (TYBSc) gave a overall view of the subject taught in FY, SY & TYBSc.
2. She pointed out that there should be more practical and field work in ecology paper.
3. Also workshop and classes on Herbarium technique would be useful.
4. There should be more time given to perform and complete project report.
5. Alumni interactions should be organized every year so the we can get the updated & current information about the subject and career.

ACTION TAKEN

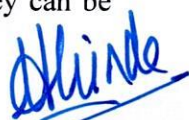
1. Dr. Vijaya Lobo elaborated on project work for TYBSc.
2. Due to space, chemical and time management project can only be done in a single semester.
3. It was decided that from next time onwards TYBSc project proposal and requirements needs to be submitted at the end of SYBSc before going for vacation. If possible, Summer & Diwali vacations could be utilized for doing project work.
4. Dr. Rajendra Shinde also added on some of the ecological projects which could be taken, like flowering pattern of any species across different areas and correlating it with change in Light/ or temp etc.
5. Dr. Harinder Singh suggested that Scientist from BARC can come on Saturday & take guest lectures.
6. Alumni interaction for career guidance is arranged for MSc since last 2 years and even the TYBSc students attend it.

FEEDBACK RELATED TO SYLLABUS

1. Dr. Vijaya lobo raised a query regarding Paper SBOT0601, In the Unit-1 of the course, in which topics like phosphate & cation assimilation which were making the unit too heavy, could be removed.
2. Also, Paper SBOT0804 & Unit 1 is lighter, needed addition of topics to it.
3. Dr. Harinder Singh suggested that removal of topics like phosphate & cation assimilation from of SBOT0601 unit-1 could be done.
4. Dr. Rajdeo Singh suggested that SBOT1002 and SBOT1004 has plant families out of which many families don't occur (Hard to get material for practical's) after Diwali vacation. So, if possible, transfer those families in odd semester so that they can be studied with proper material.



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5. Dr. Rajendra Shinde suggested to sort families according to season and shift SBOT1004 families to SBOT0904 unit 4 along with the practical's and vice versa.
6. He also suggested that college website need to be updated as it is still showing old data with respect to MSc specialization.
7. He also suggested that instead of learning objectives at the start of every paper needs to be replaced by program objective & its outcomes.
8. Mr. Alok Gude pointed that we should avoid major changes to be done every year to maintain stability, while major changes are possible after every 3 years only.

ACTION TAKEN

1. Paper SBOT0601, In the Unit-1 of the course, in which topics like phosphate & cation assimilation are were removed, by passing the resolution during the BOS meeting.
2. Paper SBOT0804 in which Unit-1 was lighter, so topics on meristem development were added to it, by passing the resolution during the BOS meeting.
3. The plant families in courses SBOT1002 and SBOT1004 which have flowering season during rainy season were shifted to SBOT0904 course which is held during rainy season; and the plant families whose flowering season is during winter season were transferred from SBOT0904 to SBOT1004 so as the students could study the plant material in flowering stage. These corresponding changes were also done for the respective practicals of the concerned papers. These changes were passed during the BOS meeting.
4. There was very little change done in the SBOT0601 syllabus with removal of few topics; and also small addition in SBOT0804, and only reshuffling of plant families from SBOT0904 to SBOT1004 thereby avoiding too many changes.
5. As per Dr. Rajendra Shinde's suggestion, the syllabus was updated on the college website during May 2020.
6. Also learning objectives at the start of every paper were replaced by course outcomes.
7. Also a foundation was laid to start a new certificate course in Garden & Landscape in collaboration with L.S. Raheja School of Architecture, Bandra, Mumbai.

Action Taken Report – Dept. of Botany

Period of Teaching : July 2020 to December 2020

Dr. Vijaya Lobo (0101)			
COURSE CODE	COURSE TITLE	STUDENT FEEDBACK	ACTION TAKEN
SBOT0101	Thallophyta	1) Clarity of course content and ability to apply theory studied to Practical situations was moderate	1) Each unit was subdivided into subtopics and outline of each topics was discussed. Real day to day life examples were discussed in the class to



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		2) Difficulty in making notes	connect the theory to practical situation 2) One book with simple description of the topic was suggested and also provided through google classroom.
Mr. Saif Khan			
COURSE CODE	COURSE TITLE	STUDENT FEEDBACK	ACTION TAKEN
SBOT0102	Angiosperms	1) Students were finding it difficult to remember the plant characteristics such as leaf shape, flower type etc. through diagrams in the presentation through online lectures. 2) Being FY students and new to Xavier's a majority of them were finding hard the learn and remember the scientific names of plants in my course.	1) I collected some plant specimens from my vicinity and taught them with those specimens. 2) Guided students after my regular lectures and shown them some mnemonics to remember those names.
Mr. Saif Khan			
COURSE CODE	COURSE TITLE	STUDENT FEEDBACK	ACTION TAKEN
SBOT0301	Algae and Fungi	1) Visually challenged student Yagnit Vadhel approached me regarding fungi topic, he was finding difficult to understand the diagrams in the course. 2) Some students were finding difficult to draw the anatomical diagrams related to subject.	1) I approached XRCVC and with their help made some easy trace diagrams, with which he understood concepts clearly. 2) I purchased a white board, recorded a video of myself drawing those diagrams in easier way and released those videos among students. 3) I gave Rene, remedial when she



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		3) A student named Rene Zachariah lost her mother during the CIA examinations.	resumed and gave her retest.
Mr. Alok Gude			
COURSE CODE	COURSE TITLE	STUDENT FEEDBACK	ACTION TAKEN
SBOT0302	Photosynthesis and Respiration	<p>1) The students were finding it difficult to keep the structures of chemical compounds in the metabolic pathway.</p> <p>2) The students were finding it difficult to understand the details and the lengthy details of various cycles in photosynthesis and respiration.</p> <p>3) Keeping presentations were becoming boring and monotonous for them.</p> <p>4) The students were finding it difficult to interact in a big class</p>	<p>2) I stopped giving them all the structural details of the compounds, instead focused on the mechanism and enzymes that catalyzed the reactions.</p> <p>2) I made it simple, shorter and omitted the detailed parts, and focused on the important aspects of these metabolic cycles.</p> <p>3) I started using some available models which were in the department, to explain them the concepts and to make it interesting. I also brought live material of fruits, leaves, stem and other plant material to explain them.</p> <p>4) I kept quizzes and polls to see increase their interaction and to know how much they understood.</p>
Mr. Kevin D'cruz			
COURSE CODE	COURSE TITLE	STUDENT FEEDBACK	ACTION TAKEN





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SBOT0303	Anatomy and Embryology	<p>1) The students faced few problems with google forms for exams.</p> <p>2) The students were hesitant to ask questions.</p>	<p>1) Using of Canvas LMS made students comfortable with all type of exams and learning.</p> <p>2) I asked them questions to know how much they understood and also encouraged them to ask questions. The two way communication benefitted them to understand even the difficult points and cleared the doubts of many other students who had similar kind of questions.</p>
Dr. Vijaya Lobo			
COURSE CODE	COURSE TITLE	STUDENT FEEDBACK	ACTION TAKEN
SBOT0501	Cytology and Biotechnology	<p>1) Clarity of the concepts was moderate</p> <p>2) Level of interest was moderate</p> <p>3) Difficulty in studying the complete course for End semester exam</p>	<p>1) A model making CIA was assigned for increasing the clarity of concepts.</p> <p>2) A scientoon making CIA was assigned to depict theoretical knowledge in a scientific but humorous way.</p> <p>3) CIAs were divided into smaller CIAs conducted after completion of each unit.</p>
Dr. Rajdeo Singh			



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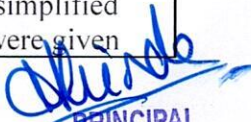
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SBOT0502	Plant systematics	1) For clear understanding of morphological characteristics of plant families & other topics in the syllabus.	1) Plants materials were collected, dissected and images were taken for explaining the morphological characters. 2) Also offline videos & recorded videos during the lectures were uploaded on the Google classroom platform for their reference along with the lecture presentation.
Dr. Vijaya Lobo			
COURSE CODE	COURSE TITLE	STUDENT FEEDBACK	ACTION TAKEN
SBOT0704	Molecular Biology	Difficulty in making written assignment	Reference Books were sent in pdf, format required for the assignment was explained and emphasis on flowcharts and diagrams.
Mr. Kevin D'cruz			
COURSE CODE	COURSE TITLE	STUDENT FEEDBACK	ACTION TAKEN
SBOT0901	Biostatistics	1) The students were finding that some topics were taken slowly	1) The easy topics were taken slowly so that the students understood the basic concepts first before going on to the difficult ones, so that the difficult and lengthy. 2) Similar simplified problems were given



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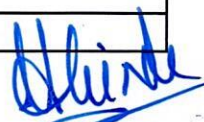
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	<p>2) The reference problems to solve given from the book were difficult</p> <p>3) The theory portion covered for biostatistics seemed difficult and students felt that it is lengthy and tedious.</p> <p>4) The students had doubt about the practical application of theoretical part covered.</p> <p>5) The students were finding it difficult to calculate the area of leaf and similar calculations.</p> <p>6) Some students stay in villages and they don't have laptops for data analysis of statistical problems and software, also they face electricity and mobile network problems</p>	<p>with simple language and explained</p> <p>3) When practical problems, numerical were given to solve then the students understood the importance of covering theory part i.e. they understood the practical application of the same.</p> <p>4) The students were given practical problems of finding correlation, effect, probability, and other tests regarding the statistics of covid pandemic cases which helped them to understand the probability and other tests in biostatistics.</p> <p>5) They were taught to make use of mobile phone applications which are used to do calculations like finding area of leaf, finding length, breadth, etc.</p> <p>6) The students were asked to take help of some neighbours, friends, relatives who stayed in the vicinity and who could help with the same, or visit cyber cafe or visit some nearby college and use infrastructure there.</p>
Mr. Saif Khan		



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SBOT0902	Fungi and Plant Pathology	1) A student named Pavan and Janet were not able to attend my lectures due to health issue and family problems etc, even after accessing recordings they were finding difficult to pick up the subject. 2) A student named Shirin was suffering from depression and was finding it difficult to attend my lectures, later when she joined – she went through my lecture recordings but was still finding difficult to pick up.	1) In both the cases, when the students resumed classes, I gave them remedial, also I interacted with them through phone calls and tried to listen to their problems pertaining to subjects and showed them easier way to memorize the topics for exam.
Mr. Alok Gude			
COURSE CODE	COURSE TITLE	STUDENT FEEDBACK	ACTION TAKEN
SBOT0903	Applied Botany	1) The students felt the portion was difficult as the topics like nanotechnology, bioinformatics, phytoremediation were new and were not taken in details. 2) Students missed the practicals sessions in the lab and could not get hands on experience. 3) The students complained of taking more time for specific portion or some easy topics.	1) I tried to explain and start from the basic, instead of starting directly. 2) I tried to explain them the practicals and explained and made them do the calculation part of the same. Also I made them do some practicals at home. 3) I modified my way and tried to give justified time for a topic i.e not too much or too less time to cover the topic.



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Dr. Rajdeo Singh			
COURSE CODE	COURSE TITLE	STUDENT FEEDBACK	ACTION TAKEN
SBOT0904	Angiosperms –I (Phylogeny and Nomenclature)	1) Changes suggested in unit 4	1) Plant families were kept in this odd semester. So that the plant material is available during this season for doing practical. 2) Plants materials are collected, dissected and images were taken for explaining the morphological characters.

Mr Alok-Gude

Head of Department



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