

S.P.Mandali's
Ramnarain Ruia Autonomous College,
Department of Green House Management (2017-2018)

MEETING OF BOARD OF STUDIES
OF
THE DEPARTMENT OF GREEN HOUSE MANAGEMENT

AGENDA

Date : 26th July 2017

1. Discussion on proposed syllabi (FY, SY and TY BVoc)
2. To suggest innovative teaching and evaluation techniques
3. To suggest panel of examiners to the examination committee
4. To suggest research and academic activities

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Ramnarain Ruia Autonomous College,
Department of Green House Management (2017-2018)

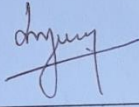
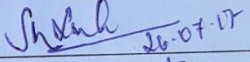
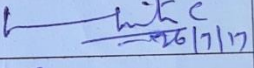
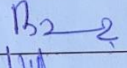
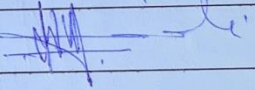
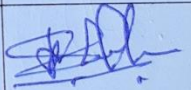
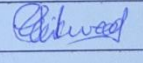
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Ramnarain Ruia Autonomous College,
Department of Green House Management (2017-2018)

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BoS Meeting – 26th July 2017

Greenhouse Management

ATTENDANCE SHEET

Name	Designation	Signature
Dr. Jessy Pius	Coordinator, Green house Management, Assoc. Prof. of Botany, Ramnarain Ruia College	
Dr. Ambika Puri Joshi	Head, Department of Botany Jai Hind College	
Dr. Shama Zaidi	Asst. Prof, Green house Management, Ramnarain Ruia College	 26-07-17
Dr. Sanchita Chaudhuri	Asst. Prof, Green house Management, Ramnarain Ruia College	 26/7/17
Dr. Nagesh Tekale	Retd. Associate Prof. of Botany, Bansodkar College, Thane	 B2-2
Dr. Rajendra Deshmukh	Proprietor, BLOOMS Horticulture Consultations and Solutions	
Dr. Revathi Jadhav	Consultant, Marvel Flora Solutions, Pune	
Lt.Cdr.C.V.Prakash (Retd.)IN	Farmer-in-chief, The Pet Bharo Project	
Mr. Ranjan Karulkar	Retd. Chief Horticulturist Hiranandani Group of Companies, Thane	
Ms. Gazala Mulla	Student, TYB.Voc	
Ms. Sneha Gaikwad	Student, TYB.Voc	

S.P.Mandali's
Ramnarain Ruia Autonomous College,
Department of Green House Management (2017-2018)

S.P. Mandali's
RAMNARAIN RUIA AUTONOMOUS COLLEGE
Department of Green House Management

MINUTES OF THE MEETING

The first Subject Board meeting (Dept. of Green House Management) under the Autonomous status was held on 26th July 2017 from 11.30 am to 2.30 pm. The meeting was chaired by Dr. Jessy Pius, Co-ordinator, Green House Management and the following members were present for the meeting

Name	Designation	Representation
Dr. Jessy Pius	Coordinator, Green house Management, Assoc. Prof. of Botany, Ramnarain Ruia College	Head of the Department
Dr. Ambika Puri Joshi	Head, Department of Botany Jai Hind College, Mumbai	Chairperson, BoS (Botany), University of Mumbai
Dr. Shama Zaidi	Asst. Prof, Green house Management, Ramnarain Ruia College	Senior Teacher, Green house Management
Dr. Sanchita Chaudhuri	Asst. Prof, Green house Management, Ramnarain Ruia College	Senior Teacher, Green house Management
Dr. Nagesh Tekale	Retd. Associate Prof. of Botany, Bandodkar College, Thane	Subject expert nominated by the Principal / Director
Dr. Rajendra Deshmukh	Proprietor, BLOOMS Horticulture Consultations and Solutions, Mumbai	Subject expert nominated by the Principal / Director
Mr. Ranjan Karulkar	Retd. Chief Horticulturist Hiranandani Group of Companies, Thane	Professional expert from the Industry
Ms. Gazala Mulla	Student, TYB.Voc, Ramnarain Ruia College	Student Nominee
Ms. Sneha Gaikwad	Student, TYB.Voc, Ramnarain Ruia College	Student Nominee

Leave of absence was granted to Dr. Revathi Jadhav and Lt.Cdr. C.V.Prakash as they were unable to attend due to personal reasons. However, they had communicated their suggestions via mail which were incorporated in the proposed syllabus.

Listed below were the main agenda items for the meeting.

Agenda 1: Discussion on proposed syllabus (FY, SY & TY B Voc)

The syllabi proposed for all the three years (Diploma, Advanced Diploma and Degree) was appreciated and unanimously passed by the board. However the Board members did suggest a few topics to be incorporated at the various levels.

As one unit in Paper V was based on Environmental Studies at the Diploma level it was proposed that the students should also be made aware of the concept of Environmental Impact Audit which was agreed by the Board. Also since Nursery Management is a part of the Diploma level, it was decided to include types of nurseries based on structure (Shade net, polyhouse, glasshouse, etc). It was unanimously decided that Landscaping be introduced at the Diploma level with gradual additions in the next two levels. Also since an entire paper is

S.P.Mandali's
Ramnarain Ruia Autonomous College,
Department of Green House Management (2017-2018)

S.P. Mandali's
RAMNARAIN RUIA AUTONOMOUS COLLEGE
Department of Green House Management

based on Soil Science, it was decided that Soil Analysis, interpretation of the Soil Analysis Report and the conclusions therein be included as well.

At the Advanced Diploma level, Organic Cultivation, Hydroponics, Plant Nutrition Management and Disease and Pest Management were the main focus areas in the proposed syllabus. It was suggested that Biofungicide, Biopesticide with emphasis on Pest Life cycle and susceptibility and vulnerability of crop to pest attack should be covered.

Alternate Farming Models with greater emphasis on Urban models like Vertical Farming, producing new substrates suited for urban farming, Protected Precision Farming, Personal Protection Equipments and an Integrated and Sustainable Model including Agro tourism be taught as well. It was also decided to introduce the concept of Budgeting and Branding at this level.

At the Degree level, the proposed syllabus concentrated on Pre-harvest, Harvest and Post Harvest Technologies. The members put forth that the students should also be made aware of Valuation of greenhouse produce, Food processing Industry, Crop Storage and Laws regarding availing Government grants.

Agenda 2: To suggest innovative teaching and evaluation techniques

This being a skill based program, it was agreed that carrying out practicals on the field/site would be more effective. It was suggested that the students be encouraged to do more hands on training and internships and they be evaluated on the field by the owner/ Industry. Students could also be evaluated by the Internal faculty in the form of tests /assignments/ presentations/ video based tests / projects, etc as appropriate to the paper. It was also suggested that students could collect samples of soil / diseased parts/ pests as appropriate and keep in the department. To acquaint the students with the concept of Mobile Van for soil testing, it was also proposed by the board to approach RCF, Chembur and collaborate with them.

Agenda 3: To suggest Panel of Examiners to Examination Committee

It was decided that there could be two examiners to examine the students – One external examiner and another internal examiner. External examiner may be invited from Agriculture University / Industry / Owner of Greenhouse.

Agenda 4: To suggest Industrial visits, trainings and Internships

The members suggested some places that could be visited or approached for internships and/or training. The prominent ones being Om Farms in Talegaon, Green Houses in Kolhapur (owned by Ganpatrao Patil), the SRA Project currently ongoing in Lonavala, Shahaydri, Kharghar, Agro-tourism, Baramati. It was also suggested to establish contact with Sikkim government and Bhutan government for training/ grants.

S.P.Mandali's
Ramnarain Ruia Autonomous College,
Department of Green House Management (2017-2018)

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Department of Green House Management

Agenda 5: To Suggest research and academic activities

Some worthwhile areas suggested for research are listed below

- Research in the area of food storage
- Growing of disease free mother stock plants for supplying to nurseries, greenhouses
- To start small research projects related to greenhouse

In addition to the above mentioned suggestions, it was also decided that the college should constitute a committee and prepare a official presentation to be made in front of the Consulate of Israel for affiliating with various agricultural/horticultural universities there for student & teacher exchange programmes and grants.

The same was also suggested for Business houses like Jain Irrigation, Mahindra & Mahindra (Agricultural Division) , Godrej and Reliance Industries for internships, collaborations, campus interviews and placements.

For popularising the course among the masses/students, it was suggested to conduct a one day seminar on "Careers in Horticulture" so that the existing in-house students as well as students from other colleges are aware of the career opportunities therein. It was also suggested to advertise the course on television and newspapers.

As a part of the autonomous initiative of the college, syllabi of three Certificate/Diploma/Short term courses on Organic Gardening, Soilless Culture and Landscaping was also proposed and passed by the members. In addition to these courses, the members suggested to also have short term// Diploma Courses on Nursery Management and Grandma's Garden.

S.P.Mandali's
Ramnarain Ruia Autonomous College,
Department of Green House Management (2017-2018)

MEETING OF BOARD OF STUDIES

OF

THE DEPARTMENT OF GREEN HOUSE MANAGEMENT

AGENDA

Date : 7th March 2018

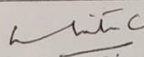

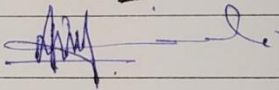

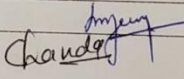

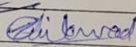
1. Revision of the syllabus of diploma, advanced diploma and B.Voc(FY, SY & TY B.Voc)
2. To audit Question paper
3. To suggest mode of examination
4. To suggest Industrial visits, trainings and Internships
5. Advertising for the course
6. Introduction of new courses

S.P.Mandali's
Ramnarain Ruia Autonomous College,
Department of Green House Management (2017-2018)

S.P. Mandali's
RAMNARAIN RUIA AUTONOMOUS COLLEGE
Department of Green House Management 2017-18

SUBJECT BOARD MEETING
7TH MARCH 2018
GREENHOUSE MANAGEMENT

ATTENDANCE SHEET

Representation	Name	Signature
Head of the Department	Dr. Sanchita Chaudhuri	
Chairperson, BoS (Botany), University of Mumbai	Dr. Ambika Puri Joshi	
Subject expert nominated by the Principal / Director	Dr. Nagesh Tekale	
Professional expert from the Industry	Dr. . Rajendra Deshmukh	
Professional expert from the Industry	Mr. Ranjan Karulkar	
Professional expert from the Industry	Dr. Revathi Jadhav	
Professional expert from the Industry	Lt.Cdr.C.V.Prakash (Retd.)IN	
Special Invitee	Mr. Rahul Mirchandani	
Dean, Academics & Hon. Director, DDU KAUSHAL Kendra	Dr. Anushree Lokur	
Special Invitee	Dr.Jessy Pius	
Teacher, Green house Management	Ms. Chanda Maurya	
Student Nominee	Ms. Gazala Mulla	
Student Nominee	Ms. Sneha Gaikwad	

S.P.Mandali's
Ramnarain Ruia Autonomous College,
Department of Green House Management (2017-2018)

S.P. Mandali's
RAMNARAIN RUIA AUTONOMOUS COLLEGE
Department of Green House Management

The Subject Board meeting (Dept. of Green House Management) was held on 7th March 2018 from 2 pm to 5 pm. The meeting was chaired by Dr.Sanchita Chaudhuri, Head of Department , Green House Management and the following members were present for the meeting

Representation	Name	Designation
Head of the Department	Dr.Sanchita Chaudhuri	Asst. Prof, Green house Management, Ramnarain Ruia Autonomous College
Subject expert nominated by the Principal / Director	Dr. Nagesh Tekale	Retd. Associate Prof. of Botany, Bhandodkar College, Thane
Professional expert from the Industry	Dr. Rajendra Deshmukh	Proprietor, BLOOMS Horticulture Consultations and Solutions, Mumbai
Professional expert from the Industry	Dr. Revathi Jadhav	Consultant, Marvel Flora Solutions, Pune
Dean, Academics & Hon. Director, DDU KAUSHAL Kendra	Dr.AnushreeLokur	Assoc. Prof. of Microbiology, Ramnarain Ruia Autonomous College
Special Invitee	Dr.Jessy Pius	Assoc. Prof. of Botany, Ramnarain Ruia Autonomous College
Teacher, Green house Management	Ms. Chanda Maurya	Asst. Prof, Green House Management, RamnarainRuiaAutonomous College
Student Nominee	Ms. Gazala Mulla	Student, TYB.Voc, RamnarainRuiaAutonomousCollege
Student Nominee	Ms. Sneha Gaikwad	Student, TYB.Voc, RamnarainRuiaAutonomousCollege

Leave of absence was granted to Dr. Ambika PuriJoshi,Mr. Ranjan Karulkar, Mr. Rahul Mirchandani and Lt.Cdr. C.V.Prakash as they were unable to attend due to personal reasons.

Listed below were the main agenda items for the meeting.

S.P.Mandali's
Ramnarain Ruia Autonomous College,
Department of Green House Management (2017-2018)

Agenda 1: Revision of the syllabus of diploma, advanced diploma and B.Voc(FY, SY & TY B.Voc)

The syllabi proposed for all the three years (Diploma, Advanced Diploma and Degree) according to the headlines given by the ASCI was appreciated and unanimously passed by the board. However, the Board members did suggest a few topics to be incorporated at the various levels.

The inclusion of the topic, cultivation of potted plants and nursery development was suggested unanimously, in first semester, Paper 4 - Protected cultivation. Likewise addition of topics like cultivation of fruits like strawberry, flowers like rose and vegetables like tomato, okra and oxygenic cultivation of fenugreek, coriander was to be added in paper 1 in the second semester. In paper 2, semester two, the addition of preharvest as well as postharvest handling of specific crops was agreed upon. Suggestions made at the advanced diploma level were, to include the role of sulphur and ortho salicylic acid in plant growth in paper 2 of semester 3. Introduction to hydroponics be included in paper 3, scouting and monitoring of insect and pest in paper 4 of the same semester.

Sterilization of soil by using silver nanoparticles should be in the degree level, semester 5 in paper 1 according to Dr. Deshmukh. While Dr. Revati Jadhav insisted upon including soil reclamation as an essential topic in the above paper. Addition of neem coated urea, muriate of potash in semester 5 paper 2 was suggested by Mr. Nagesh Tekale and cultivation of foliage and green filler be added in the said paper was suggested by Dr. Revati Jadhav. Topics like packaging of exotic flavouring and condiments should find place in paper 4 of semester 5 while topics like jam, jelly, amla candy, pickle should be excluded from the syllabus as proposed by Dr. Revati and Dr. Deshmukh.

The members put forth that the students should also be made aware of Valuation of greenhouse produce, Food processing Industry, Crop Storage and Laws regarding availing Government grants.

Agenda 2: To audit Question paper

All the question papers set for evaluation of the students after autonomy - internal, theory and practical for all the levels – Diploma, Advanced Diploma and Degree (FY, SY and TY) were presented before the board for scrutiny. The board approved the papers without any further query. The pattern and the nature of the questions asked were also passed by the board.

S.P.Mandali's
Ramnarain Ruia Autonomous College,
Department of Green House Management (2017-2018)

Agenda 3: To suggest mode of examination

The board was content with the present system of evaluation (as was recommended in the previous meeting) of the students both by the internal and the external examiners . The pattern of examination remained the same, no suggestions were made in this regard.

Agenda 4: To suggest Industrial visits, trainings and Internships

The members suggested some places that could be visited or approached for internships and/or training. The prominent ones being Greenhouses in Talegaon, Nasik and the ones in and around Panvel (wherever our Industry partner, Dr. Deshmukh would work as a consultant) and Krishi Vygyan Kendra , Agro-tourism, Baramati.

Agenda 5: Advertising for the course

As an initiative to promote the course, the members suggested that provision should be made to advertise in newspapers like Agrowon, Maharashtra Times, Sandhya Kal etc as well as in Television channels (One of our board member being a television personality) may brochure be forwarded to the agriculture colleges in addition to various junior colleges in the city.

Agenda 6: Introduction of new courses

The members appreciated the department on initiating a short term course in 'Organic Gardening' for the first time. They were made aware of introduction of another short term course on 'Landscaping' in the next semester. While they appreciated our venture, suggestions were made to initiate more short term courses/ workshop in various topics of home gardening. Suggestions were also made to start a post graduate diploma courses in specialised cultivation of specific crop like tomato, coloured capsicum and others for the B.Voc , Botany and students from allied field.

Mention was made about starting the M.Voc degree in Green House Management.

S.P.Mandali's
Ramnarain Ruia Autonomous College,
Department of Green House Management (2017-2018)
