

RAMNARAIN RUIA AUTONOMOUS COLLEGE, MUMBAI-19

Minutes of the 4th meeting of the Board of Studies in Statistics on 21-8-2019

Attendance as below

RAMNARAIN RUIA AUTONOMOUS COLLEGE, MUMBAI-19

Minutes of the meeting of the Board of Studies in Statistics

Date: 21st August 2019

Time: 11.00 am

Venue: D D Kaushal Kendra

Members Present:

Sr. No.	Name	Signature
1	Dr. Sunil Shirvaikar	Absent
2	Dr. Kirtee Kamalja	<i>(Blomaj)</i> 21.08.2019
3	Mr. Prasad Patki	<i>Prasad Patki</i>
4	Ms. Anagha Bhatkhande	<i>Anagha Bhatkhande</i>
5	Mr. Vinayak Deshpande	<i>V B Deshpande</i>
6	Dr. Sucheta Ketkar	<i>SK</i>
7	Dr. Sujata Suvarnapathki	<i>Sujata</i>
8	Dr. Ashwini Deshpande	<i>Ashwini Deshpande</i>
9	Ms. Savitri Govindan	<i>Savitri G.</i>
10	Ms. Asha Kamat	<i>Asha</i>
11	Ms. Aruna Ganu	<i>Aruna</i>
12	Ms. Sumaiya Shaikh	<i>Sumaiya</i>



Discussion as below

- **Agenda Item No. 1** To revise, if needed, and pass the syllabus for FY/SY/TY BA/BSc classes.

DISCUSSED THAT: no changes

RESOLVED THAT: No change in the Syllabi of FY, SY, TY BA/BSc and OR

- **Agenda Item No. 2:** To decide on the changes in the modalities of assessment, if any, including the question paper pattern, for internal and external examination.

DISCUSSED THAT:

- Discussed the modalities of assessment for internal practical examination as the part of internals, case studies can be given to the students and asked to interpret.
- Also project report can be written by students using case studies.
- Students doing Certificate courses can be given marks (not credits) which can be called as marks of internals. Also packages can be used to do interpretation for secondary data provided to students.
- For that we have introduce R and Python in syllabus at SY level. Python should be included up to data management level and R package should be introduced for statistical inference and modelling (ie for making code.)
- Small functions in R can be introduced in theory and more empathises should be given for looping in R .

RESOLVED THAT :-

- **Practical internal can be project using secondary data .**
- **One project for all 4 papers of TY total for 80 marks.**
 - To identify the topics from syllabi which can be replaced by R/Python
- Annuity and security market should be in same semester for TY for better understanding of annuities.
- Open book test or case studies can be given as internal practical.
- Or 5 marks questions such as interpretation of any statement on any topic can be put as internals

- **Agenda Item No. 3:** To approve the Certificate Courses with syllabi, duration, costing and evaluation, if any.

DISCUSSED THAT

- Discussed the criteria of making these courses
- Courses can be application courses such as financial analytics etc
- **RESOLVED THAT** Vinayak Deshpande and Anagha Bhatkhande will be suggesting few courses on MOOC which can be taken as certificate courses.

- **Agenda Item No. 4:** Feedback of students on the Curricula

DISCUSSED THAT Feedback has been collected from the students on curriculum through questionnaire.



RESOLVED THAT It was analysed that the syllabus is career oriented and the students suggested that the syllabus should additionally incorporate practical applications and knowledge of various statistical software.

- **Agenda Item No. 5:** To review Questions Papers of previous exams and comparison with the University Question Papers.

DISCUSSED THAT As university papers are not available to our college we can't compare our papers for external examination with them.

RESOLVED THAT:- External examination papers for university are of 100 marks and our exam is of 75 marks

Agenda Item No. 6: Any other matter with the permission of the Chair

DISCUSSED THAT NIL

RESOLVED THAT NA

s/d



Signature: Sucheta Ketkar

Head, Department of Statistics



RAMNARAIN RUIA AUTONOMOUS COLLEGE, MUMBAI-19

Minutes of the meeting of Board of Studies in **Statistics**

Date: 3rd April 2020

Time: 11.00am

Venue: Online meeting using ZOOM app

Members Present:

Sr. No.	Name	Designation	Signature
1	Mr. Prasad Patki	VC Nominee Associate Professor & Head, Dept of Statistics, Bhavan's College, Andheri	PRESNT
2	Dr. Kirtee Kamalja	Subject Expert Professor, Dept of Statistics, Kavayitri Bahinabai Chaudhari North Maharashtra University Jalgaon	PRESNT
3	Dr. Sunil Shirvaiker	Subject Expert Program Director (Statistics), Area Chairperson (Placements) & Consultant at NMIMS, Sunandan Divatia School of Science	PRESNT
4	Mr. Vinayak Deshpande	CMD, Sankhya Analytical Research Pvt. Ltd. Industry Expert	PRESNT
5	Dr. Sucheta Ketkar	Head, Dept of Statistics	PRESNT
6	Dr. Sujata Suvarnapathki	Assistant Professor, Dept of Statistics	PRESNT
7	Dr. Ashwini Deshpande	Assistant Professor, Dept of Statistics	PRESNT
8	Mrs. Savitri Govindan	Associate Professor, Dept of Statistics	PRESNT
9	Mr. Saleem Panwale	Assistant Professor, Dept of Statistics	PRESNT
10	Mrs. Asha Kamat	Assistant Professor, Dept of Statistics	PRESNT
11	Mrs. Aruna Ganu	Assistant Professor, Dept of Statistics	PRESNT
12	Mrs. Sumaiya Shaikh	Assistant Professor, Dept of Statistics	PRESNT

Mrs. Anagha Bhatkhande, Alumna of Dept of Statistics, Director Statistics Programming, IQVIA Clinical Research was granted leave of absence.



Agenda Item No. 1: To revise and approve the syllabi for FYBA/BSc for Odd semester classes, wherever applicable.

DISCUSSED THAT: The Syllabi of FY BA/BSc may include the fundamentals of R software. Dr Kirti Kamalja proposed that Fundamentals of R to be included as a complete unit in Semester II of Descriptive Statistics Paper (RUSSTA201 / RUASTA201).

Mr. Vinayak Deshpande also had the same opinion.

Dr Sunil Shirvaiker suggested that Index numbers may not be deleted and to be a part of the Time Series unit, at minimal level. Mr. Prasad Patki seconded the proposed change.

RESOLVED THAT: Fundamentals of R software will be added as Unit 3 in Semester II in the paper titled Descriptive Statistics (RUSSTA201 / RUASTA201) and Index numbers to be included, in Unit 2 with the Time Series, at minimal level.

Agenda Item No. 2: To decide on the changes in the modalities of assessment which includes the question paper pattern, for internal and external examination.

DISCUSSED THAT: conduct of Internal practical examination be changed with assignments in odd semesters using a software and projects be done in even semesters. Students should get exposure to various software and should be solving problems in different manner than the external practical examination.

RESOLVED THAT: 1) Internal Practical examination for FY/SY BA/BSc and TYBA should have assignment (manual/ on google classroom) using EXCEL or R software in the odd semester and projects based on the syllabus in the even semester.

2) Internal practical examination for TYBSc should be based on Visual Analytics Software like Tableau.

Agenda Item No. 3: To identify and approve 2-4 Certificate Courses offered by NPTEL Swayam /MOOC. (Students are to be encouraged to take up these courses)

DISCUSSED THAT The details of the certificate courses by SWAYAM/ NPTEL and courses in collaboration with ZELL Education with syllabus, duration, cost and evaluation were discussed. The platform of COURSERA and MOOC was also suggested.

Mr. Patki suggested that it is necessary to ensure that a course on thee online platform are of 45 hours to yield 3 credits to students.



RESOLVED THAT: The syllabi of certificate courses by SWAYAM/ NPTEL and the courses in collaboration with ZELL Education were approved.

Agenda Item No. 4: To review the feedback of students on the Curricula.

DISCUSSED THAT: Feedback has been collected from the students on curriculum through questionnaire. The feedback was analysed. The students suggested that the syllabus should additionally incorporate practical applications and knowledge of various statistical software.

RESOLVED THAT: The syllabi are updated by including learning of various software in theory as well as practical. Also the inclusion of small projects will give students insights to work on real life data.

Agenda Item No. 5: To review Questions Papers of previous exams and comparison with the University Question Papers.

DISCUSSED THAT: The question papers will be sent to the external members of the Board for their review once the college starts working.

Agenda Item No. 6: Any other matter with the permission of the Chair.

There was no other matter to discuss.

The meeting concluded with Dr. Sucheta Ketkar thanking all the members for sparing their valuable time and their suggestions. She also thanked all the members for giving consent to join online for the meeting.

Signature:



Dr. Sucheta Ketkar

Head, Department of Statistics

