



Anekant Education Society's  
**Tuljaram Chaturchand College  
of Arts, Science, Commerce, Baramati  
(Autonomous)**

**DEPARTMENT OF STATISTICS**

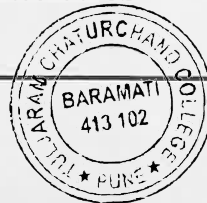
(Faculty of Science and Technology)

**Minutes of Board of Studies Meeting No. 11**

**Date of Meeting: 21/10/2023**

**Venue: Department of Statistics**

October, 2023



**Anekant Education Society's**  
**Tuljaram Chaturchand College of Arts, Science and Commerce, Baramati**  
**(Autonomous)**  
**Department of Statistics**

**NOTICE**

**Date: 14/10/2023**

**Board of Studies Meeting**

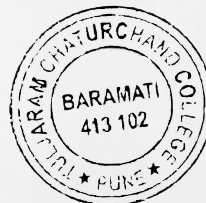
All members of the Board of Studies are hereby informed that, our BoS meeting is organised online through Google Meet on 21<sup>th</sup> October, 2023 at 01.00 PM. As esteemed members of the board, your presence and suggestions during the meeting would be greatly appreciated.

**The agenda of the meeting included the following subjects:**

1. To confirm the minutes of the previous meeting held on 09/06/2023.
2. To design and approve curriculum of S. Y. B. Sc., S. Y. B. Com. (Semester IV) (2022 pattern) to be implemented from the academic year 2023-2024.
3. To design and approve curriculum of M. Sc. Statistics Part- II (Semester- IV) (2022 pattern) to be implemented from the academic year 2023-2024.
4. To design and approve curriculum of F.Y. B.Sc., F. Y. B. Com., F. Y. B. Sc. (Computer Science) (Semester II) (2023 pattern) as per NEP-2020 to be implemented from the academic year 2023-2024.
5. To design and approve curriculum of M.Sc. Statistics (Part-I) (Semester II) (2023 pattern) as per NEP-2020 to be implemented from the academic year 2023-2024.
6. To discuss and incorporate the relevant feedbacks of the stakeholders (students, teachers, parents, alumni and employers) in the curriculum.
7. Any other issue with the permission of the chair.

Therefore, I kindly request you all to attend the aforementioned meeting and invite you to provide your valuable inputs for the designing the curriculum in accordance with 2019 pattern.

  
Chairman, BoS in Statistics



  
Principal

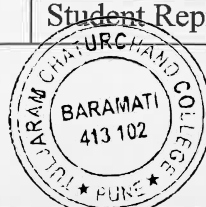
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**Department of Statistics**

**List of Members Presented for the BOS Meeting**

The following internal and external BoS members were attended the Board of Studies (Statistics) meeting held on 21<sup>th</sup> October, 2023.

Sr. No.	Name	Designation
1.	Prof. Dr. Vikas C. Kakade	Chairman
2.	Prin. Dr. Avinash S. Jagtap	Member
3.	Dr. Neeta K. Dhane	Member
4.	Dr. Vaishali V. Patil	Member
5.	Mrs. Sarita D. Wadkar	Member (Ad hoc)
6.	Mr. Chandrashekhar P. Swami	Member
7.	Ms. Priti S. Malusare	Member (Ad hoc)
8.	Miss. Kalyani C. Kale	Member (Ad hoc)
9.	Ms. Pooja S. Gaikwad	Member (Ad hoc)
10.	Dr. Akanksha S. Kashikar	Vice-Chancellor Nominee
11.	Prin. Dr. Rajendra G. Gurao	Expert from other University
12.	Mr. Rohan Koshti	Expert from other University
13.	Mr. Saurabh Kadam	Industry Expert
14.	Dr. Jaya L. Limbore	Meritorious Alumni
15.	Miss. Priya N. Rakate	Invitee Member
16.	Ms. Ankita G. Deshmukh	Invitee Member
17.	Ms. Shital B. Choudhar	Invitee Member
18.	Ms. Tejashri D. Kawade	Invitee Member
19.	Mr. Shree Sunil Girange (M.Sc. II)	Student Representative
20.	Miss. Sakshi Rajendra Borole (M.Sc. II)	Student Representative
21.	Mr. Siddhi Rajendra Pathak (TYBSc)	Student Representative
22.	Miss. Nikam Shweta Yuvraj (TYBSc)	Student Representative



## MINUTES OF THE MEETING

The Meeting of Board of Studies in Statistics was held online and offline through Google Meet on 21<sup>th</sup> October, 2023 at 01.00 pm in Department of Statistics, T. C. College, Baramati. The Meeting of Board of Studies in Statistics was conducted to prepare and approve curriculum of F.Y. B.Sc., F.Y.B.Com., F. Y. B. Sc. (Computer Science) (Semester II) (2023 pattern) to be implemented from the academic year 2023-2024, to prepare and approve curriculum of M.Sc. Statistics (Part-I) (Semester II) (2023 pattern) to be implemented from the academic year 2023-2024. In this connection, we have submitting herewith the revise the syllabus of F.Y.B.Sc., F.Y.B.Com., F. Y. B.Sc. (Comp. Sci.), M.Sc. Part-I Statistics (Semester II) (2023 pattern) for approving in the Academic Council of our college.

During the meeting, fruitful discussions were held on the items mentioned in the circulated agenda. We are pleased to inform you that the following resolutions were made during the BOS meeting.

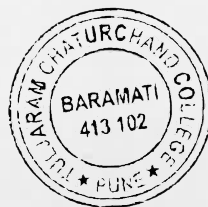
**1. To confirm the minutes of the previous meeting held on 09/06/2023.**

Dr. Vikas C. Kakade read the minutes of the BoS meeting held on 21<sup>th</sup> October, 2023 and put forward to the BoS members for the approval.

**Resolution No. 1:** The minutes of the previous Board of Studies meeting were approved and confirmed.

**2. To design and approve curriculum of S. Y. B. Sc., S. Y. B. Com. (Semester IV) (2022 pattern) to be implemented from the academic year 2023-2024.**

The Board of Studies (BoS) members meticulously designed and crafted the curriculum for Semester IV of the S.Y.B.Sc., S.Y.B.Com., (2022 Pattern) program well in advance of the BoS meeting. This preliminary draft was then shared with all BoS members for their input and suggestions to enhance its quality. During the meeting, Dr. Viaks Kakde presented the curriculum of S.Y.B.Sc., S.Y.B.Com., (2022 Pattern) course-by-course basis, and the recommendations and valuable insights provided by the BoS members were thoughtfully incorporated into the curriculum. Dr. Akanksh Kashikar, Dr. Rohan Koshti, Dr. Rajendra Guroo and Mr. Saurabh Kadam specifically recommended maintaining consistency in the sub-points of all chapters.



In light of the constructive suggestions offered by the BoS members, the curriculum structure underwent necessary corrections. After thorough deliberation and careful consideration, the curriculum of following courses was presented for approval during the BoS meeting.

### Course Structure for S. Y. B. Sc. STATISTICS (2022 Pattern)

Sem.	Paper Code	Title of Paper	Theory/ Practical	No. of Credits	Name of the Teachers
IV	USST241	Statistical Techniques- II	Theory	3	Dr. Neeta Dhane
	USST242	Continuous Probability Distributions-II	Theory	3	Dr. Vaishali Patil
	USST243	Practical Paper-IV	Practical	2	Dr. Neeta Dhane & Dr. Vaishali Patil

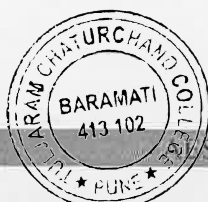
### Course Structure for S.Y. B.Com. BUSINESS STATISTICS (2022 Pattern)

Sem.	Paper Code	Title of Paper	Theory/ Practical	No. of Credits	Name of the Teachers
IV	UCBS241(D)	Business Statistics-IV	Theory	3	Prof. Dr. Vikas Kakade

**Resolution No. 2:** The curriculum for S.Y.B.Sc., S.Y.B.Com., Semester-IV (2022 Pattern) has been unanimously approved by all members of the BoS.

### 3. To design and approve curriculum of M. Sc. Statistics Part- II (Semester- IV) (2022 pattern) to be implemented from the academic year 2023-2024.

The Board of Studies (BoS) members meticulously designed and crafted the curriculum for M.Sc.-II Statistics Semester-IV (2022 pattern) program well in advance of the BoS meeting. This preliminary draft was then shared with all BoS members for their input and suggestions to enhance its quality. During the meeting, Mr. Chandrashekhar Swami presented the curriculum on a course-by-course basis, and the recommendations and valuable insights provided by the BoS members were thoughtfully incorporated into the curriculum. During the discussion, some minor changes were suggested by the board members. The board thoroughly discussed and finalized the syllabus for the courses of M.Sc.-I Statistics Semester-IV.



In light of the constructive suggestions offered by the BoS members, the curriculum structure underwent necessary revisions. After thorough deliberation and careful consideration, the curriculum of following courses was presented for approval during the BoS meeting.

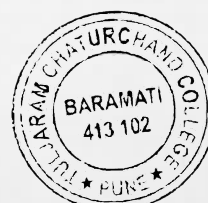
### Course Structure for M.Sc. Part II Semester IV Statistics (2022 Pattern)

Paper Code	Title of Paper	Theory/ Practical	No. of Credits	Name of the Teachers
PSST241	Stochastic Processes	Theory	4	Ms. Sarita Wadkar
PSST242	Statistical Process Control	Theory	4	Ms. Ankita Deshmukh
PSST243	Survival Analysis	Theory	4	Miss. Kalyani Kale
PSST244 (A)	Actuarial Statistics	Theory	4	Miss. Priya Rakate
PSST244 (B)	Optimization Techniques			Ms. Tejshri Kawade
PSST245	Practical Paper-VII	Practical	4	Ms. Shital Chodhar
PSST246	Project	Project	4	Ms. Chandrashekhar Swami

**Resolution No. 3:** The curriculum for M.Sc.-II Statistics Semester-IV. (2022 pattern) has been unanimously approved by all members of the BoS.

#### 4. To prepare and approve curriculum of F.Y.B.Sc., F.Y.B.Com., F.Y.B.Sc. (CS) Semester-II (2023 pattern) to be implemented from the academic year 2023-2024.

The Board of Studies (BoS) members meticulously designed and crafted the curriculum for Semester II of the F.Y.B.Sc., F.Y.B.Com., F.Y.B.Sc.(CS) program well in advance of the BoS meeting. This preliminary draft was then shared with all BoS members for their input and suggestions to enhance its quality. During the meeting, Dr. Viaks Kakde presented the curriculum of F.Y.B.Sc., F.Y.B.Com., F.Y.B.Sc.(CS) course-by-course basis, and the recommendations and valuable insights provided by the BoS members were thoughtfully incorporated into the curriculum. Dr. Akanksh Kashikar, Dr. Rohan Koshti, Dr. Rajendra Gurao and Mr. Saurabh Kadam specifically recommended maintaining consistency in the sub-points of all chapters.

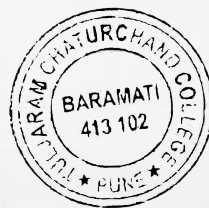




In light of the constructive suggestions offered by the BoS members, the curriculum structure underwent necessary corrections. After thorough deliberation and careful consideration, the curriculum of following courses was presented for approval during the BoS meeting.

### Course Structure for F. Y. B. Sc. STATISTICS (2023 Pattern)

Sem.	Course Type	Course Code	Course Title	Theory/ Practical	No. of Credits	Name of the Teachers
II	Major Mandatory	STA-151- MJM	Descriptive Statistics – II	Theory	02	Dr. Neeta Dhane & Mr. C. P. Swami
	Major Mandatory	STA-152- MJM	Discrete Probability and Probability Distributions – II	Theory	02	
	Major Mandatory	STA-153- MJM	Statistics Practical – II	Practical	02	
	Minor	STA-161- MN	Fundamental of Statistics	Theory	02	
	Open Elective (OE)	STA-166- OE	Business Statistics	Theory	02	Prof. Mrs. S. D. Wadkar
	Open Elective (OE)	STA-167- OE	Statistics Learning with Software	Practical	02	Prof. Mrs. P.S. Mohite & Prof. Miss. R.N. Rakate
	Vocational Skill Course (VSC)	STA-171- VSC	Data Analysis with R Software	Practical	02	Prof. Mrs. P.S. Gaikwad & Prof. Mrs. S. B. Chaudhar
	Skill Enhancement Course (SEC)	STA-176- SEC	Application of Statistics Using Advanced Excel	Practical	02	Prof. Miss. R.N. Rakate



**Course for F.Y.B.Com. Statistics (2023 Pattern)**

Sem.	Course Type	Course Code	Course Title	Theory/ Practical	No. of Credits	Name of the Teachers
II	Minor Theory	COM-161-MN(D)	Business Statistics	Theory	02	Ms. Sarita Wadkar

**Course for F.Y.B.Sc. (Comp. Sci.) Statistics (2023 Pattern)**

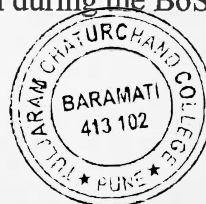
Sem.	Course Type	Course Code	Course Title	Theory/ Practical	No. of Credits	Name of the Teachers
II	Minor Theory	COS-161-MN(A)	Exploratory Data Analysis	Theory	02	Ms. Pooja Gaikwad

**Resolution No. 4:** The curriculum for F.Y.B.Sc., F.Y.B.Com., F.Y.B.Sc. (CS) Semester- II (NEP 2023 pattern) has been unanimously approved by all members of the BoS.

**5. To design and approve curriculum of M.Sc. Statistics (Part-I) (Semester II) (2023 pattern) as per NEP-2020 to be implemented from the academic year 2023-2024.**

The Board of Studies (BoS) members meticulously designed and crafted the curriculum for M.Sc.-I Statistics Semester-II (2023 pattern) program well in advance of the BoS meeting. This preliminary draft was then shared with all BoS members for their input and suggestions to enhance its quality. During the meeting, Mr. Chandrashekhar Swami presented the curriculum on a course-by-course basis, and the recommendations and valuable insights provided by the BoS members were thoughtfully incorporated into the curriculum. During the discussion, some minor changes were suggested by the board members. The board thoroughly discussed and finalized the syllabus for the courses of M.Sc.-I Statistics Semester-II.

In light of the constructive suggestions offered by the BoS members, the curriculum structure underwent necessary revisions. After thorough deliberation and careful consideration, the curriculum of following courses was presented for approval during the BoS meeting.





**Course for M.Sc. Part I Semester II Statistics (2023 Pattern)**

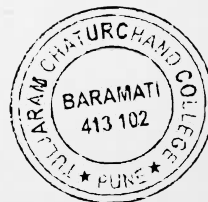
Sem	Course Type	Course Code	Course Title	Theory/ Practical	No. of Credits	Name of the Teachers
II	Major (Mandatory)	STA-551-MJM	Multivariate Analysis	Theory	04	Ms. Pooja Gaikwad
	Major (Mandatory)	STA-552-MJM	Regression Analysis	Theory	04	Ms. Priti Malusare
	Major (Mandatory)	STA-553-MJM	Statistics Practical – III	Practical	02	Ms. Shital Choudhar
	Major (Mandatory)	STA-554-MJM	Statistics Practical – IV	Practical	02	Ms. Ankita Deshmukh
	Major (Elective)	STA-561-MJE(A)	Probability Theory	Theory	04	Mr. Chandrashekhar Swami
		STA-561-MJE (B)	Stochastic Processes	Theory		Ms. Sarita Wadkar
	On Job Training (OJT)/Field Project (FP)	STA-581-OJT/FP	On Job Training Field Project	Training/ Project	04	--

**Resolution No. 5:** The curriculum for M.Sc.-I Statistics Semester-II. (2022 pattern) has been unanimously approved by all members of the BoS.

**6. To discuss and incorporate the relevant feedbacks of the stakeholders (students, teachers, parents, alumni and employers) in the curriculum.**

The Chairman initiated the discussion by highlighting the importance of incorporating feedback from both Alumni and current students in the syllabus design process. The department created a curriculum feedback form and distributed it to students, teachers, parents, alumni, and employers. Subsequently, the stakeholders filled out the feedback forms. It was noted that their insights and suggestions would greatly contribute to creating a curriculum that aligns with the needs and expectations of the students. Therefore, the BOS members reviewed the feedback and suggestions given by the alumni and students and incorporated the relevant suggestions into the curriculum of F.Y.B.Sc., F.Y.B.Sc.(CS), F.Y.B.Com. M.Sc. Statistics.

**Resolution No. 6:** Considered and Approved.



**7. Any other matter with the consent of Chairman.**

During discussion of the syllabus of above motioned courses, the BoS members Dr. Akanksha S. Kashikar, Dr. Rajendra G. Gurao and Mr. Saurabh Kadam have given suggestions regarding some new techniques to be introduced in the syllabus as per the NET / SET and Competitive Exams in Statistics. Also some reference books are suggested in the UG / PG syllabi. We have made changes to the syllabi accordingly of all the mentioned courses.

**Resolution No. 7:** Considered and Approved

Our BoS members have sent their suggestions regarding UG / PG syllabus through e-mail to BoS Chairman. Dr. Vikas C. Kakade read those suggestions and accordingly relevant changes were made in the syllabi.

Meeting was ended with the vote of thanks proposed by Dr. Neeta Dhane.

  
Chairman  
Board of Studies

  
IQAC  
Coordinator  


  
Principal

