

DEPARTMENT OF ECONOMICS
REPORT ON THE CONDUCT OF CERTIFICATE COURSE

“Certificate Course on Basic Mathematics, Statistics and Reasoning for Economics”

During the first semester of the academic year 2019-20, the Department of Economics conducted one certificate course titled- **“Certificate Course on Basic Mathematics, Statistics and Reasoning for Economics”**. The course contents were also useful for competitive examinations.

A total of 34 students enrolled for the course. Classroom teaching of the course was conducted from 03/10/19 to 11/10/19 in S-31 classroom. All the students were from Post Graduate Departments. Out of these 34 students 30 students appeared for the exam. Of which, 28 Students were from MA Economics Part I and 2 students were from MA History Part 1. There were 4 students who have filled the forms but whose name did not appear in the excel sheet provided for preparation of students. The names of the students are:

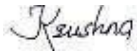
1. GhodakeSarikaRavikiran- Absent
2. GuravSomnath Suresh - Absent
3. ShindeAnkietBalasaheb- Absent
4. MadaneSnehalAnkush - Completed.

The list of students who have successfully completed the course are :

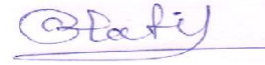
Roll No.	Seat No.	PRN	Name	Status
12021	8946	11193212021	GORE RAMESWARI KHANDERAO	COMPLETED
12026	8948	11193212026	SURYAWANSHI KIRAN SANJAY	COMPLETED
12027	8949	11193212027	SONAWANE AJAY BALU	COMPLETED
12029	8950	11193212029	BODARE MANISHA TUKARAM	COMPLETED
12030	8951	11193212030	CHAVAN PRIYANKA BALKRISHNA	COMPLETED
12031	8952	11193212031	SONAWANE AISHWARYA SIDDHARTH	COMPLETED
12032	8953	11193212032	KAMBLE AKASH HANUMANT	COMPLETED
12033	8954	11193212033	YADAV VINOD GITENDRA	COMPLETED
12036	8955	11193212036	SAPKAL NAMRATA PRUTHVIRAJ	COMPLETED
12038	8957	11193212038	MORE NITIN CHANDRAKANT	COMPLETED
12040	8958	11193212040	KAMBALE RAVINDRA VINESH	COMPLETED
12041	8959	11193212041	MAHALE POOJA KRISHNA	COMPLETED
12043	8960	11193212043	RATHOD ANAND YUVRAJ	COMPLETED
12044	8961	11193212044	KACHARE TUKARAM TANAJI	COMPLETED

12045	8962	11193212045	PAWAR VISHAL SURESH	COMPLETED
12046	8963	11193212046	KHATAL POOJA PANDHARINATH	COMPLETED
12048	8964	11193212048	SHAIKH ASLAM MAHAMMAD	COMPLETED
12049	8965	11193212049	SHIRKE NIKITA DILIP	COMPLETED
12051	8966	11193212051	GOLE ROHINI DILIP	COMPLETED
12053	8967	11193212053	LANDGE DAYANAND SADASHIV	COMPLETED
12055	8968	11193212055	RASKAR SARIKA HANUMANT	COMPLETED
12056	8969	11193212056	SUMANT ANANT RAJARAM	COMPLETED
12057	8970	11193212057	KATE ASMITA JALINDAR	COMPLETED
12058	8971	11193212058	DURGUDE VISHAL SATISH	COMPLETED
12059	8972	11193212059	SHAIKH HEENA ABDULRAHEMAN	COMPLETED
12062	8974	11193212062	KOLLIMATH UMESH SOMASHEKHARAYYA	COMPLETED
12063	8975	11193212063	RAUT DIPAK DNYANDEO	COMPLETED
Name not found in the list			MadaneSnehalAnkush	COMPLETED
			Students from History Department	
12175	7859	11193212175	KEKAN RUPALI PUNYESHWAR	COMPLETED
12176	7860	11193212176	KALE AKSHAY RAJENDRA	COMPLETED

This the report of Certificate Course conducted by the Economics Department.



Prof. KrushnaKulkarni
Course Co-ordinator



SamadhanPatil
HOD

To,
The Principal,
Tuljaram Chaturchand College.
Baramati

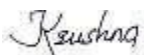
Subject: - Completion report of Certificate Course in "Certificate Course on Basic Mathematics, Statistics and Reasoning for Economics".

Respected Sir,

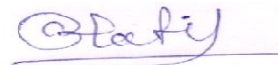
As mention above the subject, I have successfully conducted certificate course in "Certificate Course on Basic Mathematics, Statistics and Reasoning for Economics". A total of 233 students were enrolled for this course. This course was completed during the 03/10/19 to 11/10/19. Google meet and Telegram were used for conducting online classes as well as for assignment and submission of work. Theory and Practical sessions were conducted to complete the certificate course. Online MCQ exam was conducted on 26/10/2019 to evaluate the students. I hereby attach result of the students along with this report.

I also request you to sanction remuneration for this course as a course coordinator.

Thank you.



Prof. Krushna Kulkarni
Course Co-ordinator



Samadhan Patil
HOD

**Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science
and commerce, Baramati
Autonomous**

Department of Economics

Date.25/11/2019

N O T I C E

**Certificate Course on Basic Mathematics, Statistics and
Reasoning for Economics**

महाविद्यालयातील ज्या विद्यार्थ्यांनी "Certificate Course on Basic Mathematics, Statistics and Reasoning for Economics" सर्टिफिकेट कोर्सला प्रवेश घेतला आहे अशा सर्व विद्यार्थ्यांना सूचित करण्यात येते कि ह्या कोर्सचे तास सुरु होणार आहेत. या संबंधीच्या सूचनांसाठी व्हाट्सअप ग्रुप फळाढण्यात आलेला आहे. या ग्रुपची लिंक संबंधित विद्यार्थ्यांच्या मोबाइल नंबरवर पाठविण्यात आलेली आहे त्यावर क्लिक करून ग्रुपला जॉईन व्हावे. सदरील ग्रुपचे वेळापत्रक ग्रुपवर तसेच इथं सुद्धा टाकण्यात आले आहे प्रवेश घेतलेल्या विद्यार्थ्यांनी तासांना उपस्थित राहणे अनिवार्य आहे. जर ७५% उपस्थिती पूर्ण नसेल तर विद्यार्थ्यांना परीक्षेस बसू दिले जाणार नाही. वर्गास उपस्थित नसल्यास आणि परीक्षेन दिल्यास होणाऱ्या नुकसानीस विद्यार्थी स्वतः जबाबदार राहतील याची सर्व विद्यार्थ्यांनी गंभीर नोंद घ्यावी.

अधिकसंपर्कासाठी- प्रा. कृष्णाकुलकर्णी, अर्थशास्त्रविभाग

Krushna

Krushna *Krushna*

प्रा. कृष्णाकुलकर्णी डॉ. समाधानपाटील डॉ. समाधानपाटील

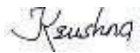
सर्टिफिकेट कोर्स समन्वयक कलाशाखा समन्वयक अर्थशास्त्रविभाग प्रमुख

**Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science and commerce, Baramati
Autonomous**

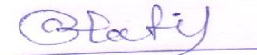
Department of Economics

Certificate course Name: - **Certificate Course on Basic Mathematics, Statistics and Reasoning for Economics**
Time-Table 03/10/19 to 11/10/19

Time	Monday 03/10/19	Tuesday 04/10/19	Wednesday 05/10/19	Thursday 06/10/19	Friday 07/10/19	Saturday 08/10/19	Monday 10/10/19	Tuesday 11/10/19
9.30 to 10.30	Theory	Theory	Theory	Theory	Theory	Theory	Theory	Theory
11.30 to 12.30	Theory	Theory	Theory	Theory	Theory	Theory	Theory	Theory
1.30 to 3.00	Practical	Practical	Practical	Practical	Practical	Practical	Practical	Practical



Prof. Krushna Kulkarni
Course Co-ordinator



Samadhan Patil
HOD

Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science and commerce,
Baramati
Autonomous
Department of Economics

Date.25/11/2019

SYLLABUS

Course Title: Certificate Course on Basic Mathematics, Statistics, and Reasoning for Economics

Unit 1 : Introduction to Mathematics for Economics

- Overview of basic mathematical concepts
- Arithmetic operations, exponents, and radicals
- Solving linear equations and inequalities
- Functions and their properties

Unit 2 : Calculus for Economics

- Limits and continuity
- Derivatives and applications in economics
- Integrals and their applications

Unit 3 : Descriptive Statistics

- Measures of central tendency (mean, median, mode)
- Measures of dispersion (range, variance, standard deviation)
- Frequency distributions and graphical representation

Unit 4 : Probability Theory

- Basic concepts of probability
- Probability distributions (discrete and continuous)
- Expected value and variance

Unit 5 : Statistical Inference

- Sampling techniques and sampling distributions
- Confidence intervals and hypothesis testing
- Type I and Type II errors

Unit 6 : Reasoning and Logical Thinking

- Introduction to logical reasoning
- Deductive and inductive reasoning
- Critical thinking skills in the context of economic problems

Assessment Methods:

- Weekly quizzes and assignments
- Mid-term examination covering mathematical concepts
- Final project involving statistical analysis and reasoning in an economic context

Textbook:

- "Mathematics for Economics and Business" by Ian Jacques
- "Statistics for Business and Economics" by Paul Newbold, William L. Carlson, and Betty Thorne

Prerequisites:

- Basic understanding of algebra and high school-level mathematics.

Teaching Methodology:

- Lectures, problem-solving sessions, and group discussions.
- Practical applications of mathematical and statistical tools in economics.

Grading:

- Weekly quizzes and assignments: 40%
- Mid-term examination: 30%
- Final project: 30%