

Minutes of the Annual Upgradation of Syllabus meeting in Statistics held on 15-03-2022 at 10.30 A.M.

Members :

1. Dr. E. Helena, Head, Department of Statistics, Fatima College, Madurai.
2. Dr. A. Shopia Lawrence, Assistant Professor, Department of Mathematics, Madurai Kamaraj University, Madurai
3. Dr. A. Kachi Mohideen, Assistant Professor, PG and Research Department of Statistics, Thanthai Periyar Govt. Arts and Science College, Trichy.
4. Dr. V. Sangeetha, Assistant Professor, Department of Statistics, PSG Arts and Science College, Coimbatore.
5. Ms. S. Sindhuja, Senior Statistical officer, NSSO (FOD) TN(N), Chennai R.O. Ministry of Statistics & P.I Government of India, Chennai.
6. Ms. A. Poshni, Data Analyst, Neuralnet data Science, Horamavu, Bengaluru. Karnataka
7. Dr. K. Manu, Assistant Professor, Department of Statistics, Fatima College, Madurai.
8. Mrs. P. Dhanapriya, Assistant Professor, Department of Statistics, Fatima College, Madurai.
9. Dr. M. Manoprabha, Assistant Professor, Department of Statistics, Fatima College, Madurai.
10. Ms. A. Mable Jasmine Shoba, Dean of Academic Affairs

1. Action taken report for 2021 - 2022

S. NO.	Comments Suggestions offered in the Previous Board	Action taken for the Academic Year 2021-22
1.	Change of title for the Course: 19ST4CC7 - Statistical Inference - I	The title is changed as Estimation Theory.
2.	Self Learning Course to be introduced	Self Learning Course introduced for I UG. 1. Quantitative Aptitude and Data Interpretation

2. Updation of Open Educational Resources in the list of references of each Course.

S. NO.	Course Code	Course Title	Details of updation
1.	19ST3CC5	Continuous Probability Distributions	https://stats.libretexts.org
2.	19ST3CC6	Sampling Theory	https://www.pdfdrive.com/Survey-Sampling-theory-and-methods.pdf e19713020.html
3.	19ST4CC7	Estimation theory	https://ocw.mit.edu/Courses/mathematics.443-Statistics-for-applications-fall-2003/lecture-notes
4.	19ST4CC8	Applied Statistics	https://Pradeepchandrasekar.weebly.com
5.	19ST5CC9	Testing of Hypotheses	http://www.ru.ac.bd/stat/wp-content/uploads/sites/25/2013/501-04-lehmann-testing-Statistical-hypotheses/2008-P

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3. Revision of Courses

S. No.	Course Code	Course Title	No. of units revised	%. of revision	Relevance to				Scope for		
					L	R	N	G	EM	EN	SD
1	19ST1CC2	Probability Theory	1	5%				✓			✓
2	22G1ACST1	Calculus	2	25%				✓			✓
3	19ST2CC3	Descriptive Statistics	1	15%			✓				✓
4	22ST3CC5	Continuous Probability Distributions	2	40%			✓				✓
5	22ST4CC8	Applied Statistics	3	50%				✓	✓		✓
6	19ST5CC12	Real Analysis	1	15%				✓			✓
7	19ST6CC14	Stochastic Processes	1	15%				✓			✓
8	19ST3SB1	Practical Statistics - I		15%				✓	✓		✓

4. New Courses introduced

S. No.	Course Code	Course Title	Relevance to				Scope for			Need for
			L	R	N	G	EM	EN	SD	
1	22ST4SB2	Sampling Distributions				✓	Employability			To introduce more problems on t, F, χ^2
2	22ST5ME3	Object Oriented Programming with C++				✓	Employability & Entrepreneurship			To facilitate advanced learners
3	22ST5ME4	C++ Practicals								
4	22ST6ME10	Econometrics			✓		Employability			For increased job opportunities
5	22UGIVAST1	Statistics using MS Excel				✓	Employability & Skill Development			To facilitate advanced learners
6	22ST4SL2	Differential Equations			✓		Skill Development			

The board reviewed the syllabi for IUG (I & II Semester), IUG (III & IV Semester) and IUG (V & VI Semester).

The following revisions were carried out:

19ST1CC2 - Probability Theory : The Concept Correlation is included

22G1ACST1 - Calculus : Fourier Transform is removed and basics of differentiation and integration are included

19ST2CC3 - Descriptive Statistics : Curve fitting is included.

22ST3CC5 - Continuous Probability Distributions : More Problems on Normal, Beta, gamma distributions are included, Sampling distribution is removed

22ST4CC8 - Applied Statistics : More Content on time Series, National Income Estimate is included. Curve fitting, Interpolation & Extrapolation and vital statistics are removed and included in Descriptive Statistics, Numerical methods and Demography.

19ST5CC12 - Real Analysis : The Content Connectedness, Completeness and Compactness are removed.

19ST6CC14 - Stochastic Processes : Few Concept in Markov chain is included.

19ST3SB1 - Practical Statistics - I : More Problems on Binomial, Poisson and Sampling theory are included.

I Semester

19ST1CC1 - Basic Statistics

19ST1CC2 - Probability Theory.

22G1ACST1 - Calculus

21ST1NHE - Fundamentals of Statistics.

II Semester

- 19ST2CC3 - Descriptive Statistics
- 19ST2CC4 - Discrete Probability Distributions
- 19G2ACST2 - Algebra
- 21ST2NME - Fundamentals of Statistics

III Semester

- 22ST3CC5 - Continuous Probability Distributions
- 19ST3CC6 - Sampling Theory
- 19G3ACST3 - Linear Programming
- 19ST3SB1 - Practical Statistics - I

IV Semester

- 19ST4CC7 - Estimation Theory
- 22ST4CC8 - Applied Statistics
- 19G4ACST4 - Linear Algebra
- 22ST4SB2 - Sampling Distributions

V Semester

- 19ST5CC9 - Testing of Hypotheses
- 19ST5CC10 - Design of Experiments
- 19ST5CC11 - Demography
- 19ST5CC12 - Real Analysis
- 19ST5ME1 & - Computer Programming in C
- 19ST5ME2 - C - Practicals
- 22ST5ME3 & - Object Oriented Programming with C++
- 22ST5ME4 - C++ Practicals
- 19ST5SB3 - Practical Statistics - II
- 19ST5SB4 - Statistical Software: SPSS

VI Semester

- 19ST6CC13 - Statistical Quality Control

- 19ST6CC14 - Stochastic Processes.
 19ST6CC15 - Actuarial Statistics.
 19ST6ME51 - Numerical methods /
 19ST6ME61 - Multivariate Analysis /
 19ST6ME7 - Regression Analysis
 19ST6ME81 - Operations Research /
 19ST6ME91 - Industrial Statistics /
 22ST6ME10 - Econometrics.

The board also reviewed the Allied Core Syllabus for I B.Com: 19A1AC1 - Statistical Methods & for I B.Com with Computer Applications; 22K2AC2 - Business Statistics and Maths.

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| 1. Dr. E. HELENA | Helena |
| 2. Dr. A. SHOPHIA LAWRENCE | John |
| 3. Dr. A. KACHI MOHIDEEN | John |
| 4. Dr. V. SANGEETHA | V. Sangeetha
15/03/2022 |
| 5. MS. S. SINDHUJA | ABSENT |
| 6. MS. A. ROSHNI | ABSENT |
| 7. Dr. K. MANO | K. Mano |
| 8. MS. P. DHANAPRIYA | Dhanapriya |
| 9. Dr. M. MANO PRABHA | M.P. |
| 10. MS. A. MABLE JASMINE SHOBA | Mable Jasmine Shoba |

15/3/2022