

**ST. TERESA'S COLLEGE (AUTONOMOUS)
ERNAKULAM**

(Affiliated to Mahatma Gandhi University, Kottayam)



CURRICULUM AND SYLLABI

FOR

Complementary Courses in Statistics

For Bachelor's Programmes

in

Mathematics, Physics and Sociology

UNDER CHOICE BASED CREDIT AND SEMESTER SYSTEM

2015 Admissions Onwards

ST. TERESA'S COLLEGE, ERNAKULAM (AUTONOMOUS)

Department of Statistics

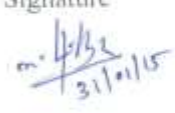



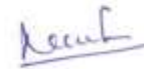
Board of Studies in Statistics

1. Dr . Hitha N, Associate Professor and Head, Department of Statistics,
Maharaja's College, Ernakulam (Chairperson).
2. Dr . Seemon Thomas, Associate Professor, Department of Statistics, St. Thomas
College, Pala (Subject Expert).
3. Dr. Angel Mathew, Assistant Professor, Department of Statistics, Maharaja's
College, Ernakulam (Subject Expert).
4. Dr. E.S. Jeevanand, Associate Professor and Head, Department of Mathematics
and Statistics, U.C. College, Aluva. (University Nominee)
5. Dr. Lakshmy B., Department of Mathematics, CUSAT. (Alumni-member)
6. Smt. Nishi B.P, Sub Divisional Engineer(NS), Office of Principal General
Manager Telecom, BSNL Bhavan, Ernakulam .(Expert from industry)

CERTIFICATE

The UG/PG syllabus of the Department of S.T.A.T.I.S.T.I.C.S.....
for the year 2015-16 admission onwards, has been ratified by the Board
of Studies of
which met on 31st January, 2015, at St Teresa's college, Ernakulam.

Members present

Name, Designation and Address	Signature
1. Dr. Hitha N (Chairman) Head, Dept of Statistics Maharaja's College, Ernakulam	 31/01/15
2. Dr. Angel Mathew (Subject Expert) Dept. of Statistics Maharaja's College, Ernakulam	 31/01/15
3. Dr. E.S. Jeevanand (University Nominee) Dept. of Mathematics & Statistics U.C. College, Aluva	 31/01/15
4. Dr. Lakshmy B (Alumni Member) Dept. of Mathematics, CUSAT	
5. Smt. Nishi B.P (Expert from Industry) Sub Divisional Engineer BSNL Bhavan, Ernakulam	

Faculty Members who have contributed to the restructuring of the Syllabus

1. Smt. Rosa K.J., Associate Professor
2. Smt. Betty Joseph, Associate Professor
3. Smt. Shanty B.P., Assistant Professor

ACKNOWLEDGEMENT

The guidance of Dr. Beena Job Associate Professor, Department of English and IQAC Co-ordinator and Dr. Latha Nair, Associate Professor, Department of English and member of the Governing Council helped give shape to the overall structure. I wish to express my sincere thanks to Dr. N. J. Rao, Visiting Professor, International Institute of Information Technology, Bangalore and Dr. Rajan Gurukul, Former Vice-Chancellor, M.G. University, currently Visiting Professor, Centre for Contemporary Studies, Indian Institute of Science, for their selfless and timely service and for giving us all the help and guidance we needed. I also acknowledge my thanks to Dr. Achuthshankar S. Nair, Professor & Head, Department of Computational Biology and Bio Informatics, University of Kerala, for his invaluable suggestions.

Rosa K.J

Head

Department of Statistics

Foreword

The Higher Education environment is changing rapidly in India and particularly so in the year 2014-15, when the Government of Kerala decided to give autonomy to 13 educational institutions in the state with the aim of improving quality. Quality in Higher education has been a matter of high concern and priority in India especially after the National Policy on Education 1986 has very categorically questioned the impact of education and suggested many measures for bringing innovative practices in education.

The autonomous status asks for more responsibility and increased accountability to frame a curriculum keeping in mind the ever changing academic environment and the plethora of demands placed by the diversity of students who have a high literacy level when it comes to choosing their course.

Keeping in mind that the purpose of Higher Education is the development of the people, society and environment, special care has been taken by the IQAC team at St. Teresa's College to give the necessary Orientation and to conduct Workshops related to curricula and scientific syllabus design as part of the Faculty Development Programme. Curriculum relates to the total experience of the student and it should contain knowledge that is essentially valid. The Graduate and Post Graduate Departments have worked diligently to frame curricula and develop programmes that foster analytical ability and critical thinking and enable the students to acquire the skills required by employers. The pedagogy adopted within the context of curriculum is to facilitate valid transmission of knowledge and proper evaluation of the same. The Courses designed at the Graduate and Post Graduate Levels have defined the competencies to enable effective teaching/learning of all the modules of the courses, both Core (compulsory) and Designate (elective). The blueprint of the final assessment of every course guarantees that all modules are taught and furthers integrity. The details of the course curriculum and structure are set in accordance with the course specifications of the affiliating university.

With sincere gratitude I acknowledge the efforts of Dr. N. J. Rao and Dr. Rajan Gurukkal who extended to us their academic expertise, astute guidance and unstinting support. I also thank Dr. Achuthshankar S. Nair for his timely guidance. I specially thank all the faculty members and the IQAC coordinator Dr. Beena Job for their diligence, commitment and exceptional contribution towards this endeavour.

Dr. Sr. Celine E

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