

# Department of Statistics

## Tripura University

(A Central University)

Suryamaninagar - 799022, Tripura, India



Dr. Prasenjit Sinha  
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The BPGS meeting held on 13<sup>th</sup> July, 2015 at 10.30 AM in the Department of Statistics. The following members are present:

1. Professor Sangram Sinha, The Dean, Faculty of Science, TU.
2. Professor Dilip C. Nath, Gauhati University, Assam.
3. Professor Sudhansu S. Maiti, Visva-Bharati, Santiniketan.
4. Dr. Prasenjit Sinha, Asstt. Professor, Deptt. of Statistics, TU.
5. Sri Samrat Hore, Asstt. Professor, Deptt. of Statistics, TU.

The members discussed the agenda and following resolutions are taken.

1. The Chairman, BPGS in Statistics placed the PG CBCS syllabus for the year 2015-16 and onwards, the members have been approved the same.
2. The Chairman, BPGS in Statistics placed the list of question setters, examiners, moderators etc. of PG examinations, 2015 (May and December). The members approved the list as proposed.
3. The Chairman, BPGS placed the proposal, submitted by the Supervisors of five Ph.D. scholars namely **Priyanka Talukdar, Ratul Chakraborty, Soma Rani Sutradhar, Khokan Shil and Sharmistha Bhowmik** before the Board for the approval of RAC of individual scholars. After going through the lists of RAC members proposed by respective supervisors, the board approves the individual lists as proposed.

### Signature of the Members Present:-

Prof. Sangram Sinha,

Prof. Dilip C. Nath.

Prof. Sudhansu S. Maiti.

Dr. Prasenjit Sinha.

Sri Samrat Hore.

Chairman  
B.P.G.S.  
Deptt. of Statistics  
Tripura University

**Tripura University (A Central University)**  
**Department of Statistics**  
**Choice Based Credit System MSc Statistics Syllabus**

Semester	Code and Name of the Core Courses (Credits)	Code and Elective Courses (Credits)
I	<p>STAT 701C: Measure Theory and Probability (02)</p> <p>STAT 702C: Linear Models (02)</p> <p>STAT 703C: Theory of Distribution (02)</p> <p>STAT 704C: Sample Survey (02)</p> <p>STAT 705C: Practical I and R Programming (04)</p>	<p>STAT 706E: Basic Statistics (04)</p> <p>STAT 707E: Mathematical Analysis (02)</p>
II	<p>STAT 801C: Statistical Inference (04)</p> <p>STAT 802C: Economic Statistics (02)</p> <p>STAT 803C: Industrial Statistics (02)</p> <p>STAT 804C: Practical II (04)</p>	<p>STAT 805E: Demography (02)</p> <p>STAT 806E: Research Methodology (02)</p> <p>STAT 807E: Official Statistics (02)</p>
III	<p>STAT 901C: Multivariate Analysis (04)</p> <p>STAT 902C: Design of Experiments I (02)</p> <p>STAT 903C: Practical III (02)</p> <p>STAT 904C: Project I (04)</p>	<p>STAT 905E: Advanced Sample Survey (02)</p> <p>STAT 906E: Operations Research (02)</p>
IV	<p>STAT 1001C: Stochastic Processes (02)</p> <p>STAT 1002C: Design of Experiments II (02)</p> <p>STAT 1003C: Reliability Theory and Survival Analysis (02)</p> <p>STAT 1004C: Practical IV (02)</p> <p>STAT 1005C: Project II (04)</p>	<p>STAT 1006E: Statistical Decision Theory and Bayesian Inference (02)</p> <p>STAT 1007E: Advanced Time Series and Econometrics (02)</p>

Compulsory Foundation: Computer Skills (Offered by IT and CSE Department) (04)  
 Elective Foundation: Yoga/ Song/ Play/Sculpture/NSS/Communicative English (02)

**Total Credits Required for Post-Graduation in Statistics: 68 (Sixty Eight)**

- One (01) Credit is assigned for each 25 marks and one (01) contact hour/week of teaching for theory or two (02) contact hours/week of teaching for practical/project.
- For each course, 20 % marks are to be allotted for internal assessment.
- All practicals in core courses are to be done using MS Excel, R, SPSS etc.
- Practical classes for electives papers will be conducted in the theory classes. The questions for both practicals and theory will be set in the same question papers.
- Midterm evaluation in every project by seminar.

*13/7/15*  
 Chairman  
 B.P.G.S.  
 Deptt. of Statistics  
 Tripura University

*13/7/2015*  
 Member  
 B.P.G.S.  
 Deptt. of Statistics  
 Tripura University

Approved  
 Member  
 B.P.G.S.  
 Deptt. of Statistics  
 Tripura University

*13/7/15*  
 Member  
 B.P.G.S.  
 Deptt. of Statistics  
 Tripura University

The 1<sup>st</sup> meeting of 2<sup>nd</sup> BPGS in Statistics was held on 23.02.2017 in the camber of HOD / Coordinator, Department of Statistics, Tripura University at 10.30 am. Members present:

1. Prof. M.K.Singh, Dean, Faculty of Sciences, T.U – Member / Chairman
2. Prof. A. Mukherjee, Department of Mathematics, T.U– Member
3. Dr. Prasenjit Sinha, Assistant Professor, Department of Statistics, T.U – Member
4. Mr. Samrat Hore, Assistant Professor, Department of Statistics, T.U – Member

The chairman welcomed the members. The coordinator of the department informed the members that he had sent invitations to external experts but they were not in a position to attend the meeting. Prof. D. Bhattacharyay, Department of Mathematics, Assam University had expressed his inability to attend the meeting through email. Prof. S.S.Maiti, Department of Mathematics, Visva Bharati Santiniketan had also informed coordinator over telephone. Dr. Saswata Sahoo, Chief Engineer, Advance Tech lab, Samsung R & D Institute, India has informed the coordinator that he may not act as member of BPGS due to some technical problem from his institute.

After this agenda wise discussion were initiated.

**Agendum 1: Restructuring of RAC for research scholar, Soma Rani Sutradhar under supervision of Dr. Prasenjit Sinha.**

The convener of RAC informed the members that the quorum for RAC meeting could not be materialized as two external members were not available for meeting and one of internal member, Dr. Priyaranjan Dash had left the university to join his new assignment at Utkal University. Under such situation, the convener of RAC felt difficult to do any progress in case of Smt. Soma rani Sutradhar. That is why this agenda has been brought for discussion and fruitful decision.

The matter was discussed and finally Committee resolved to restructure the RAC of Smt Soma Rani Sutradhar as given below.

OLD RAC	NEW RAC
1. Dr. Prasenjit Sinha Assistant Professor, Department of Statistics, T.U – Convener & Supervisor	1. Dr. Prasenjit Sinha Assistant Professor, Department of Statistics, T.U – Convener & Supervisor
2. Prof. Kishore K. Das. Deptt of Statistics, Guawahati University- External Member	2. Dr. Jahar Debbarma, Associate Professor, Deptt. Of Economics, T.U – Member
3. Dr. Jaha Debbarma, Associate Professor, Deptt. Of Economics, T.U – Member	3. Dr. Shyamal Debnath, Assistant Professor, Deptt. Of Mathematics, T.U –Member
4. Prof. R .N Das, Deptt. Of Statistics , University of Burdwan,- External Member	4. Dr. Souvik Bhattacharyay, Assistant Professor, Deptt. Of Mathematics, T.U –Member

*Samrat Hore*

5. Dr. Priyaranjan Dash., Deptt. Of Statistics ,  
Assistant Professor, T.U - Member

5. Prof. R.N Das, Deptt. Of Statistics ,  
University of Burdwan.- External  
Member

**Agendum2: The application of Mr. Khokan Shil, Research Scholar, Deptt of Statistics, T.U**

The coordinator, placed the letter of Mr. Khokan Shil. He has stated in his application that he started his Ph.D work with Dr. Priyaranjan Dash but could not registered under him as he left the department to join his new assignment at Utkal University. He has requested to allot a supervisor to him.

The matter was discussed and looking the geniuses of the matter, the committee resolved that Dr. Prasenjit Sinha would be the supervisor of Mr. Khokan Shil as there was no any alternative in the department.

**Agendum3: CBCS PG. syllabus related issue (Modification in 3<sup>rd</sup> semester elective paper and introduction of new elective paper in 3<sup>rd</sup> semester).**

a) The coordinator placed the matter for discussion. Department wanted to propose modification in elective paper, STAT 906E: Operation Research. Earlier this paper was allotted 2-credits but department want to increase the credit-2 to credit-4 for this elective paper (STAT 906E). The matter was discussed and approved. This Matter would be communicated to higher body for necessary action.

b) The department also wants to introduce a new elective paper for 3<sup>rd</sup> semester course other than two available for students. The matter was discussed and the committee approved the proposal of department to introduce a third elective paper, STAT 907E: Numerical Analysis (02 credits) from the new academic session 2017-2018.

**4. Miscellaneous:**

a) Approval of RAC for Mr. Khokan Shil: Dr. Prasenjit Sinha (the allotted supervisor) submitted a proposal for formation of RAC for Mr. Khokan Shil and requested to take up the matter as the research scholar passed the pre Ph.D course work in 2014.

The matter was discussed and protecting the interest of student, the proposed RAC was approved by committee. The composition of RAC is given below.

RAC for Khonkan Shil.

1. Dr. Prasenjit Sinha (Deptt of Statistics, TU)- Convener & Supervisor
2. Dr. Salim Sah (Deptt of Economics, TU) - Member
3. Dr. Shyamal Debnath (Deptt of Mathematics, TU) - Member
4. Dr. Souvik Bhattacharya (Deptt of Mathematics, TU) - Member
5. Prof. R.N Das (Deptt of Statistics, Burdwan University, WB) - External Member.

*Samsat Hore*

b) List of paper setters, examiners and moderators for 2<sup>nd</sup> semester (May 2016), 1<sup>st</sup> semester (December 2016), 3<sup>rd</sup> semester (December 2016), 2<sup>nd</sup> semester (May 2017) and 4<sup>th</sup> semester (May 2017).

1. List of paper setters, examiners and moderators. for 2<sup>nd</sup> semester (May 2016) & 1<sup>st</sup> semester (December 2016) were reported and approval port facto.
2. List of paper setters, examiner and moderators for 2<sup>nd</sup> & 4<sup>th</sup> semester (May 2017) was placed in the meeting. After discussion, the list was approved by the committee with minor modification. The coordinator was requested to send the list to Controller of Examination for necessary action.


The meeting ended with a vote of thanks to the chair.

1.



**Chairman**  
**B.P.G.S.**  
**Deptt. of Statistics**  
**Tripura University**

2.



**Member**  
**B.P.G.S.**  
**Deptt. of Statistics**  
**Tripura University**

3.



**Member**  
**B.P.G.S.**  
**Deptt. of Statistics**  
**Tripura University**

4.



**Member**  
**B.P.G.S.**  
**Deptt. of Statistics**  
**Tripura University**

# SYLLABUS FOR CBCS MSc COURSE IN STATISTICS



**TRIPURA UNIVERSITY**  
**(A Central University)**  
**Suryamaninagar, Tripura – 799022.**

**2017**

*BPGS approved syllabus  
on 23.02.2017  
(1st meeting of 2<sup>nd</sup> BPGS)  
Samant Hore  
28/2/17  
Co-ordinator,  
Department of Statistics,  
Tripura University,  
Suryamaninagar-799022*

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5. Midterm evaluation in every project by seminar.

*Samant Stone*