

HERAMBA CHANDRA COLLEGE

23/49 Gariahat Road, Kolkata-700029

Department of Mathematics & Statistics

Notice

Business Research Methodology Add-on Course for Semester-IV Students

Date:19.03.2024

This is to inform all Semester-IV students that an add-on course on “***Business Research Methodology***” will commence from 20th March 2024 under the supervision of the Department of Mathematics & Statistics. This course aims to develop a good understanding of Probability so that one can apply them in their disciplines. The deadline for registration is 20th March 2024. For further details and registration, please contact Dr. Arun Sarkar.

We encourage all interested students to take advantage of this valuable opportunity to deepen their understanding of probability.

*Certificate will be provided to students upon completion of this course.

*No course fees are required.

Registration: <https://forms.gle/N4Jvj3Me1cas1Rho7>

Sd/-

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Department of Mathematics & Statistics

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Department of Mathematics & Statistics

Add-on Course on

Business Research Methodology

Initiated by the Dept. of Mathematics & Statistics in the academic session 2023-24

In association with IQAC

<i>Course Title</i>	<i>Business Research Methodology</i>
Proposed Committee	Dr. Nabanita Chakrabarti, Principal; Dr. Raktim Sur, Academic Superintendent Dr. Ranjan Kumar Auddy, Asst. Prof. & Head, Dept. of English, and IQAC Coordinator; Mr. Subhrajit Roy, Assistant Professor, Dept of Mathematics, Dr. Arun Sarkar, Assistant Professor, Dept of Mathematics Mr. Arup Mallick, SACT, Dept of Mathematics, Mr. Dipankar Hazra, SACT, Dept of Mathematics Ms. Malabika Das, SACT, Dept. of Mathematics, & Mrs. Shinjini Ghosh, SACT, Dept. of Statistics
Course Coordinators	Dr. Arun Sarkar, Assistant Professor, Department of Mathematics & Mr. Arup Mallick, SACT, Dept. of Mathematics
Syllabus Design	Mr. Arup Mallick, SACT, Dept. of Mathematics, & Mrs. Shinjini Ghosh, SACT, Dept. of Statistics
Mentors	Mr. Subhrajit Roy, Assistant Professor, Dept of Mathematics, Dr. Arun Sarkar, Assistant Professor, Dept of Mathematics Mr. Arup Mallick, SACT, Dept of Mathematics, Mr. Dipankar Hazra, SACT, Dept of Mathematics Ms. Malabika Das, SACT
Advisory Board	Dr. Nabanita Chakrabarti, Principal; Dr. Raktim Sur, Academic Superintendent; Dr, Ranjan Kumar Auddy, IQAC Coordinator & Dr. Lopaudra Basu, Secretary, Teachers' Council
Help & Support	Heads of All Departments
Offered Semesters	Sem-IV

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Course Objectives:

- This course equips students with problem-solving skills. They should be capable of identifying & analysing root causes, and proposing effective solutions . A skill which is valuable in both personal life and professional careers.
- Depending on their chosen major, minor and interdisciplinary subjects within the B.Sc programme, whether it's Statistics, Geography, Economics, or another field, this specialized knowledge provides depth in their chosen discipline.

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Add-on Course on Theory of Probability

Course Structure

Module No.	Topic	No of classes
1	The Concept of Probability	2
2	Axiomatic approach to probability	2
3	Some Examples of probability on single event	2
4	Some theorems on probability	2
5	Some examples of probability on two or more events	3
6	Conditional probability and its examples	3
7	Baye's theorem and its application	3
8	Mutual and pairwise independence of more than two events	3
9	Probability Distribution	3
10	Mathematical Expectation	3

Total Contact Hours:

Lecture: 26	Tutorial: 4	Total Hours: 30
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Course Schedule (Online)

<i>Teacher's Name</i>	<i>Day</i>	<i>Time</i>	<i>Google meet link</i>
Arup Kumar Mallick	Wednesday	5:00-6:00 p.m.	https://meet.google.com/eot-tcpf-ekd
Arun Sarkar	Thursday	6:00-7:00 p.m.	https://meet.google.com/vor-jjke-sqi
Subhrajit Roy	Tuesday	7:00-8:00 p.m.	https://meet.google.com/uip-zbuk-npq
Dipankar Hazra	Saturday	5:00-6:00 p.m.	https://meet.google.com/uhr-ijvk-rye
Malabika Das	Friday	4:45-5:45 p.m.	https://meet.google.com/tse-bdxi-ctp
Shinjini Ghosh	Tuesday	5:30-6:30 p.m.	https://meet.google.com/vtq-yryb-ijt

Course Outcome:

On completing this course, the students will develop essential knowledge so that one can relate and apply the topics learned in this course in various disciplines. The students will be trained in skills to think critically and independently. Critical thinking skills will help them to make informed decisions and solve problems effectively and can place them in an ideal situation for such jobs. They will also understand the importance of Probability Theory through projects and assignments using real life data and will also understand the concept and application of modern technological softwares. They will also be able to appear for competitive examinations conducted for public sector jobs with the knowledge gained in this course.

Course-End Exam:

Sl. No.	Exam Type	Pattern	Full Marks	Date	Time	Room
1	Theory	10 MCQ	20			

*** Date, Time and Room will be informed at class.*