

**DEPARTMENT OF STATISTICS**

**NALBARI COLLEGE, NALBARI**



**PROGRAMME OUTCOMES**

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**PROGRAMME SPECIFIC OUTCOMES**

Nalbari College, Nalbari is affiliated to Gauhati University, Guwahati and follows the curriculum prescribed by the university. The college has, hereby, stated in details the Programme Specific Outcomes of all its programmes.

**Programme Outcome: Bachelor of Science (B.Sc.)**

- The undergraduate programme B.Sc. can be opted by students after completing their 10+2 studies.
- The course offers honours in various subjects with number of combinations among the subjects Physics, Chemistry, Mathematics, Zoology, Botany, Geography, Statistics and Geology.
- This programme will illuminate the students with both theoretical as well as practical knowledge.
- The programme will not only help the students to get the subject knowledge but also it will help them to improve their rational and reasoning ability, which can benefit them to attend various competitive examinations.
- This upliftment of the knowledge will help the students to get not only jobs in various fields but also pursue higher studies for achieving a better profile after completion of the B.Sc. Programme.
- The science graduates are strongly recommended and programme is designed in such a way that students are eligible for higher studies in their concerned subjects and even other interdisciplinary subjects based on their interest.

## **PROGRAMME SPECIFIC OUTCOMES: B.Sc. (Statistics)**

After successful completion of B.Sc. degree with Statistics, a student will be able to acquire the following:

- Students will learn how to effectively collect, organize and manage data. This includes skills in data cleaning, data transformation and data visualization.
- Students will develop strong analytical skills to interpret and draw conclusions from complex data. They will learn to apply statistical methods to solve real-world problems and make data-driven decisions.
- Students will gain expertise in various statistical techniques including descriptive statistics, inferential statistics, probability theory, hypothesis testing, regression analysis and more.
- Proficiency in using statistical software tools (such as SPSS, R, C/C++, Excel) will be developed, allowing students to perform complex data analyses and create statistical models.
- Students will learn to design research studies, analyze data and communicate findings clearly through reports and presentations.
- Students will learn how to apply statistical techniques to various domains such as business, healthcare, social sciences, economics etc.
- The programme provides a solid foundation for students who wish to pursue advanced degrees in statistics, data science or related fields and equips them with the necessary background for specialized studies or professional certifications.