

## DEPARTMENT OF MATHEMATICS

### PROGRAMME OUTCOME

- Demonstrate analytical skills and extensive experience with the tactics of problem solving and logical thinking and it helps for career and graduate work.
- Ability to ask pertinent questions and perform suitable quantitative analysis.
- Get a relational understanding of mathematical concepts and concerned structures, and are able to follow the patterns involved.
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- Enhancing students' overall development and to equip them with mathematical modeling abilities, problem solving skills, creative talent and power of communication necessary for various kinds of employment.

### SPECIFIC OUTCOME

- Demonstrate a solid understanding of rigorous mathematical proof. Students will be able to write clear well-organized and logical mathematical arguments..
- An ability to identify, formulate, abstract, and solve mathematical problems that use tools from a variety of mathematical areas, including
- algebra, analysis, probability, numerical analysis and differential equations.
- A deep understanding of at least one more area of specialization within mathematics or its applications.
- Think in a critical manner. Know when there is a need for information, to be able to identify, locate, evaluate, and effectively use that information for the issue or problem at hand. Formulate and develop mathematical arguments in a logical manner.
- Acquire good knowledge and understanding in advanced areas of mathematics and statistics, chosen by the student from the given courses.
- Understand, formulate and use quantitative models arising in social science, business and other contexts.