

## **Department of Mathematics**

### **UG PROGRAMME -B.Sc. Mathematics**

- Enables the students to develop a respectable intellectual level seeking to expose the various concepts in Mathematics.
- Develop students' ability in problem solving and in applying the mathematical knowledge acquired so that they will be able to function effectively and responsibly in their daily lives.
- Provide a systematic understanding of the concepts and theories of mathematics and their application in the real world – to an advanced level, and enhance career prospects in a huge array of fields.
- Ability to become successful professionals by demonstrating logical and analytical thinking.

### **PG PROGRAMME- M.Sc. Mathematics**

- Centres on the study and development of techniques to tackle pure and applied mathematical questions.
- The ability to assess and interpret complex situations, choose among several potentially appropriate mathematical methods of solution, persist in the face of difficulty, and present full and cogent solutions that include appropriate justification for their reasoning.
- Engaging in life-long learning and professional development through self-study, continuing education or professional studies.
- Enable the students to be well prepared for the CSIR–JRF examinations.

### **PRE DOCTORIAL - M.Phil. Mathematics**

- Enables the students to obtain advanced knowledge in a specialized field.
- Engaging in life-long learning through self-study, continuing education or doctoral level studies.
- Be able to work as a mathematical professional, or are qualified for a training as scientific researcher.