

BEST PRACTICES – DEPARTMENT OF MATHEMATICS

- **Bridge Course:** The Department conducts bridge course for all the newly admitted UG/PG students. The objective of the Bridge course is to make a smooth transition for students to have an adequate foundation in the core of the subject.
- **Department Library:** In addition to the central Library, a departmental library is functioning in the department catering to the needs of faculty and students with more than 700 books.
- **Student Seminars/Group discussions/Competitions/Projects:** Seminars by students are organized as part of the curriculum which helps them in improving their presentation skills and confidence levels. Also encouraging the students to participate in intercollegiate competitions.
- **Celebrating the days of Mathematical importance** like National Mathematics Day, π day, e day, Science day etc.,
- **Student Internships:** The college has MOU's with reputed organizations and encouraging the students to complete their internships in the Industry.
- **Advanced Learners and Slow Learners:** The advanced learners are encouraged to complete online courses to enhance their knowledge and also guiding them to participate in the competitive examinations such as UGC - CSIR NET, APSET, GATE, APRCET and JAM etc. Remedial coaching is given to the slow learners.
- **Curriculum:** The courses have been designed in such a way that the student can opt for a career in software industry/teaching/research. The department has a dedicated computer laboratory with necessary softwares such as MATLAB, R Programming, PYTHON, C etc related to mathematics.
- **NPTEL Courses:** It is mandatory for M.Sc. Mathematics students to complete an NPTEL MOOCS course with four credits or two NPTEL courses of two credits.
- **Video Lectures:** More than 600 video lectures of the faculty of the department are available in You Tube covering the Mathematics syllabus of UG Programs.

DISTINCTIVENESS

- **Research** : Department of Mathematics is recognized as a research centre in 2005. The research environment in the department encourages the students to associate with the research scholars/faculty and present research papers in the conferences. In the last five years, 2 Patents in collaboration with others and 40 Research Papers were published in the Scopus/web of science/ peer reviewed indexed journals & 5 Ph.D's/M.Phils were awarded under the guidance of faculty.
- **Prathibha Awards** : The department is securing excellent results in examinations since its inception. Further, in most of the convocations of Acharya Nagarjuna University, the **first rank** among all faculty of physical sciences has been bagged by the department. Since the inception of **Prathibha Awards** by Govt. of Andhra Pradesh, students of the department are continuously receiving these awards for their excellent performance in PG(M.Sc. Mathematics) and UG Examinations.