

Teaching and Learning in Maths Courses

Department of mathematics offers

- M.Sc.

Maths and Applied Statistics and
informatics

- B-Tech

Compulsory , minors and Honors

- PhD

Techniques and Use of technology

□ The teaching techniques are updated in the sense, for most of the courses an assessment on regular basis is carried out with help of conducting quizzes in short intervals (weekly or biweekly)

- This is possible due to the comparatively smaller class sizes in M.Sc. Classrooms.
- Generally this kind of assessment structure could not be followed in case of large class sizes

❑ Courses contains a large number of **assignments** and **tutorials** are used as a supplement to give a student wide **exposure** to the course and lead one towards **independent thinking** in the subject.

This takes care of **understanding** the subject thoroughly.

Technology Use in Recent Years

□ CDEEP

Offers number of recorded lectures in Mathematics as well to outside student, working professionals and is beneficial to students of IIT as well

NPTEL

Lot of course material is a uploaded on the NPTEL portal which gives easy access to every student of various lecture series going on in IITs.

COURSE STRUCTURE

- M.Sc Maths

The program offers wide range of courses which makes a student well equipped to start research work .

- M.Sc. ASI

Along with giving a wide range of exposure in courses of statistics which are suitable for research these courses are as well suited from job perspective.

As a result these courses are taken as electives by students of other departments as well.

Wish List: For 2 year M.Sc. Maths Program

- A course project (credit course) should be introduced in the curriculum. Which could be made optional.

- Currently in the first year(i.e. two semesters) all the courses are compulsory
- This structure should be modified
 - Student should be allowed to take electives second semester onwards.
 - The list of electives should be extended with the courses of ASI already running in the department so that a student inclined towards applied mathematics or statistics could pursue his choice