



Islamic University of Science and Technology Awantipora, Kashmir

Department of Mathematical Sciences

IMPACT Program



Department of Mathematical Sciences at Islamic University of Science and Technology has been running a mathematics outreach program IMPACT (Igniting Mathematical Potential and Creative Thought) since 2012. The program is conceived as an instrument to

- Increase the interest of school-children in mathematics
- Alleviate the 'math phobia' that is common among students
- Enable the students to be active participants in doing mathematics rather than be passive recipients of mathematical information.
- Bring out the innate creativity and talent of the young minds and nurture out-of-box thinking
- Raise awareness about the great job prospects that are possible with a degree in mathematics

Activities:

- The Department has organized several Math Festivals and workshops under this program – including a math festival in far-off place like Kupwara. Students are introduced to profound mathematical ideas in a simple but enjoyable manner that captivates their attention. The topics can include fourth dimension, infinity etc. Some of the activities include
 - Engaging problem-solving sessions that allow for hands-on mathematical praxis
 - Short films on mathematics, mathematical careers or on the life of a mathematician
 - Puzzle-solving contests
 - Interactive sessions with the students and their teachers about career opportunities in mathematics
- Teacher training workshops for mathematics teachers that focus on mathematical pedagogy with a particular emphasis on training government school teachers



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