



**LOOKING BACK,
WITHIN AND AHEAD**
Celebrating Indigenous Wisdom

OE2315

ETH-NO-MATHS ! DISCOVERING SYMMETRIC ROOTS OF A CULTURE



INSTRUCTOR

RAMA KRISHNA RAO P

Mr Rama Krishna Rao has been passionately involved in teaching geometry, structure and systems at Bachelor's and Master's Level design courses at NID, Ahmedabad.

[www.nid.edu/people/
detail/p-ramakrishna-rao](http://www.nid.edu/people/detail/p-ramakrishna-rao)



INSTRUCTOR

DR LIPIKA MAZUMDAR

Dr. Lipika has Taught various courses at Undergraduate/ Graduate/ Ph.D level for more than 15 years at renowned institutes in Bangalore and Gujarat and is interested in applying innovative ideas in teaching which reduces math anxiety and enriches student's mathematical learning and application

[nuv.ac.in/pdf/Engineering/
Faculty/Dr._Lipika_Mazumdar.pdf](http://nuv.ac.in/pdf/Engineering/Faculty/Dr._Lipika_Mazumdar.pdf)

OVERVIEW

This workshop intends to pursue playful exploration of mathematics as a human activity inspired from Alan Bishop's six universal mathematical activities (Playing, Designing, Counting, Measuring, Locating and Explaining) influenced by six mathematical values (Rationalism, Objectism, Control, Progress, Openness and Mystery) with potential implications for art and design. Students will be encouraged to study forms, symbols, patterns and other representational expressions of indigenous communities for discovering underlying mathematical and geometric principles and use these principles to manipulate and generate new designs

METHODOLOGY

This workshop with an intuitive approach assumes just school level understanding of geometry and mathematical concepts, hence students of all design disciplines are encouraged to be part of this workshop.

KEY WORDS

Playing Designing Counting
Measuring Locating Explaining

AVAILABILITY

17 Seats