



Advanced Training in Mathematics Schools  
**Teacher's Enrichment Workshop (TEW)**  
Real Analysis, Linear Algebra and Number Theory (2018)

16<sup>th</sup> - 21<sup>st</sup> July, 2018

*Sponsored by*  
**National Centre for Mathematics**  
A joint centre of IIT Bombay and TIFR, Mumbai

*Organized by*  
Department of Mathematics  
Manipur University

*How to apply*

Visit the webpage <http://www.atmschools.org> and create account.  
Fill the form to register for the workshop (TEW).

*Who are eligible*


Mathematics teachers of Arts and science colleges affiliated to Manipur University and colleges around Manipur.

**Last date for submission of form: 15<sup>th</sup> June, 2018**

**Contact details of organizers :**

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Hard copies of the application should be sent to the local organizer (  )

Speakers/ Syllabuses to be covered:

1. **Dr Shanta Laishram**, ISI, Delhi :  
*Quadratic Residues and Quadratic Reciprocity Motivation, Proofs and Applications.*  
Ref. Ch.3, Elem. N. T., Jones & Jones and Ch.4, Elem. Methods in NT
2. **Dr J.Swain**, IIT, Guwahati:  
*Differentiation.* Ref. Ch.5, Principles of Mathematical Analysis, W. Rudin
3. **Prof. S.Pati**, IIT, Guwahati:  
*Inner Product Spaces.* Ref. Ch.8, Linear Algebra, Hoffman and Kunze