



# National Centre for Mathematics

[www.ncmath.org](http://www.ncmath.org)

(A joint centre of TIFR and IIT Bombay)

## Advanced Training in Mathematics Schools

[www.atmschools.org](http://www.atmschools.org)

(Supported by National Board for Higher Mathematics)



### Online Teachers Enrichment Workshop (TEW) on “ANALYSIS AND ALGEBRA”

by **KONGU ENGINEERING COLLEGE, PERUNDURAI**

(5th to 28th February, 2021 [All Friday, Saturday & Sunday])

(INSA - NCM joint programme)



This Teachers' Enrichment Workshop (TEW) is aimed primarily at mathematics teachers at the undergraduate and postgraduate levels. While research scholars in mathematics may also apply, they will have lower preference in selection. The sessions will be geared towards improving the understanding of the 2 fundamental concepts and results in ANALYSIS and ALGEBRA. The workshop will be an intensive one and only those who are willing to actively participate and get their hands dirty by solving problems need apply.

#### ORGANIZERS:

B.Ramakrishnan  
Professor  
Dept of Statistics and Applied Maths  
Central University of Tamil Nadu  
Thiruvavur-610005, Tamil Nadu, India  
[ramki@cutn.ac.in](mailto:ramki@cutn.ac.in)

R.Vennila  
Assistant Professor (SI.G)  
Department of Mathematics  
Kongu Engineering College  
Perundurai-638060, Tamil Nadu, India  
[vennilamaths@gmail.com](mailto:vennilamaths@gmail.com)

#### Syllabus

Real Analysis: Continuous functions, discontinuous functions, uniformly continuous functions, meanvalue theorem and its applications

**Speaker: Prof B.Ramakrishnan**

Analytic functions: exponential and logarithmic functions, linear fractional transformations.

**Speaker: Prof R.Thangadurai**

Ring Theory: Ideals, homomorphisms, sum and direct sum of ideals, maximal and prime ideals, principal ideal domains and Euclidean domains.

**Speaker: Dr. V. P. Ramesh**

#### Contact Details:

The web page of this program will be: <https://www.atmschools.org/2020>,

Application form and other information about the programme are available on the above website.

The organizers may be contacted by mail: [ramki@cutn.ac.in](mailto:ramki@cutn.ac.in) or [vennilamaths@gmail.com](mailto:vennilamaths@gmail.com)