

Affine monoids and their Hilbert bases - III.  
Jyoti Dasgupta, IITM

In this series of talks we will discuss Affine monoids and their Hilbert bases, from the book *Polytopes, Rings and K-theory* by Bruns and Gubeladze. Affine monoids are the basic structure with the help of which we form monoid algebras - the main tool in the study of interactions between discrete geometry, commutative ring theory and algebraic K-theory. In this talk we will discuss some basic definitions and properties of monoid algebras.

**Pre-requisites :**  
Familiarity with concepts discussed in the previous talks and basic ring theory.