Bhaskaracharya Pratishthana, Pune is organising 'Professor Shreeram S. Abhyankar Birthday Symposium' on the occasion of birthday of Prof. Shreeram S. Abhyankar (1930-2012).

Day and Date: **Monday, 22nd July 2024 at Bhaskaracharya Pratishthana, Pune.**

The details of the programme are as follows:

Time	Details of Speakers, Title and Abstract
4:00 PM to **5:00** PM	**Prof. Soumen Maity** is currently a professor of Mathematics at IISER Pune. He obtained his PhD from Indian Statistical Institute, Kolkata and held postdoctoral positions at Lund University and the University of Ottawa. He was a faculty at IIT Kharagpur before joining IISER Pune. His main areas of interest are parameterized algorithms and discrete mathematics. **Title: Parameterized Algorithms** **Abstract:** Many optimization problems in theoretical computer science that we want to solve are often NP-hard or worse, but somehow, they need to get solved. Over the years, multiple paradigms for coping with NP-hardness have been introduced: for instance, approximation algorithms and randomized algorithms were all borne out of a desire to solve hard problems by relaxing the problem. Within the last 20 years, a new paradigm called parameterized complexity has been introduced, where one measures the time complexity of an algorithm not just in terms of the input length but also a small side parameter. In this talk we give an overview of parameterized algorithms.
5:10 PM to **6:10** PM	**Prof. Pradipkumar H. Keskar** (Mathematics Department, BITS Pilani, Pilani Campus) **Title: Polynomial Criterion for Some Combinatorial Objects** **Abstract:** Besides proving strong theorems in Mathematics, Professor Abhyankar distinguished himself from others through his strong views on the kind of mathematics he preferred. These views are propounded in his poem titled 'Polynomials and Power Series', the article 'Historical ramblings in Algebraic Geometry and related Algebra', as well as several other presentations. In this tribute to him, we present our small attempt to bring certain combinatorial objects, called difference sets, in this realm by giving a polynomial criterion for them.

Venue: Audio Visual Hall, Bhaskaracharya Pratishthana, Pune.
Online mode: Join Zoom Meeting
https://us06web.zoom.us/j/86951416994?pwd=PsMBoD2z598XkR1braX5qtfLUmiAxu.1
Meeting ID: 869 5141 6994
Passcode: 649652
All are cordially invited to attend.

Prof. S. A. Katre
    Custodian
Bhaskaracharya Pratishthana, Pune.