

Date: 23/10/2018

## Report on Visit of Prof. Sandeep Bhairat Lecture on Introduction to fractional Differential equations

Prof. Sandeep Bhairat Department of Mathematics, ICT Jalna was in the institute during Oct 15-16, 2018.

On day 1 in morning session, Prof. Bhairat visited various departments, Central library, Centre of Excellence in Signal and Image Processing. He also visited to TIIC lab, boy's hostel, hostel mess. After lunch he visited to the Department of Mathematics.

On day 2 in morning session, Prof. Bhairat visited department of Mathematics, Dr. A. R. Patil felicitated and introduced him to the students.



He delivered a lecture on Fractional Calculus. He gave a brief historical background of the subject how Riemann, Caputo, Hadmard, Hilfer and K. Nishimoto invented this research area. He made students of Bhaskaracharya Maths club curious about this subject. Students had interaction with Prof. Bhairat he interacted very nicely.



Then Prof. Bhairat talked about different aspects of application of Engineering Mathematics. He was giving some current problems that the society and industries facing, and how we can mathematically give the solution to such problems. He was also talking about how we can exchange the ideas so that the Institute of Chemical Technology and SGGS institute can work together. He narrated the curriculum of ICT and SGGS.



Then Prof. Bhairat described many mathematical Software's so that we can have result of large data samples. He explained Applications like C, C++, Python, Java, R, MATLAB, MAPPLE, LATEX, R-Studio etc. Then he had question and answer session with students.