



S.V.G.M. GOVERNMENT DEGREE COLLEGE



Affiliated to Sri Krishana Devaraya University, Andhra Pradesh
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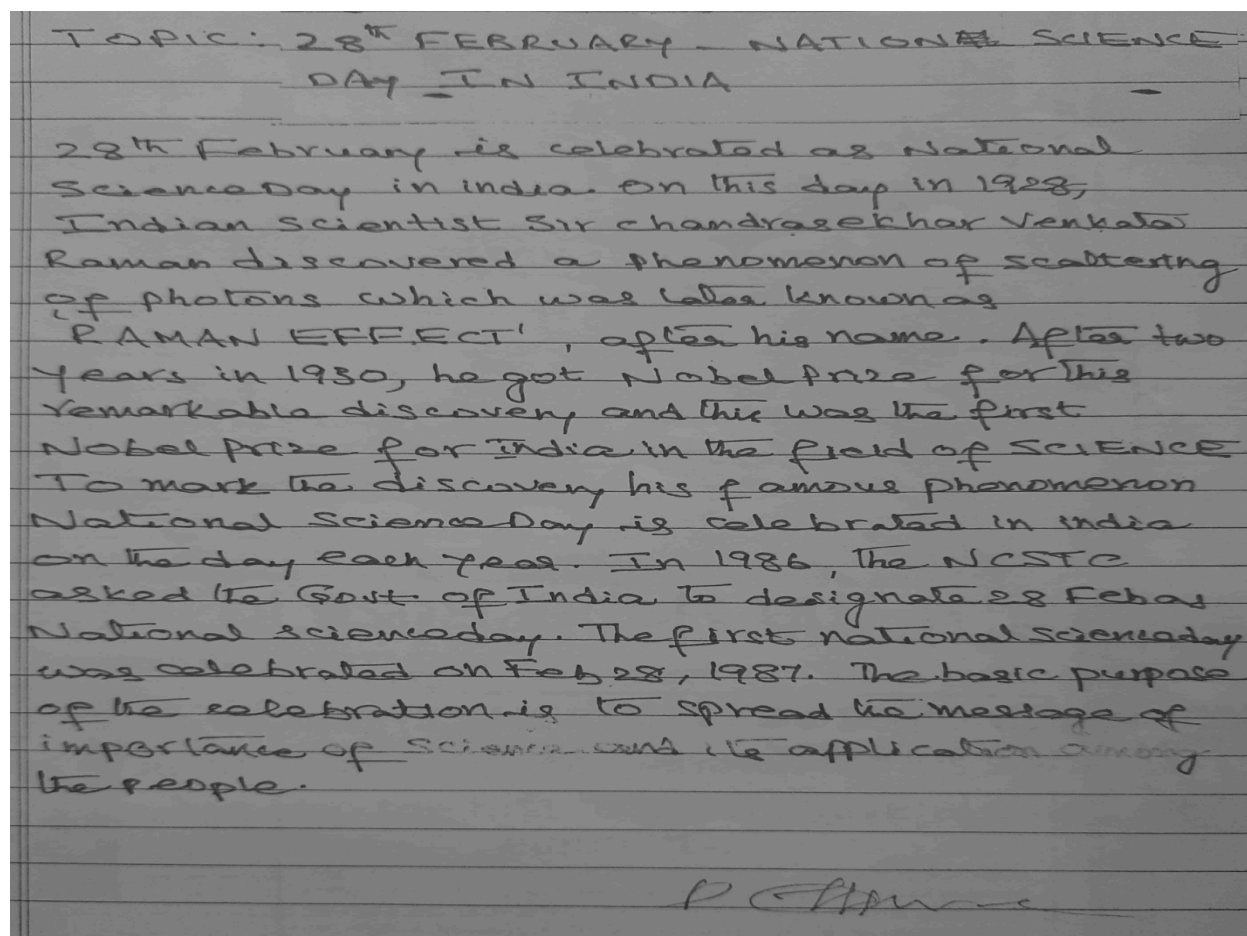


Department of Physics

Guest Lecture – 3

Event: National Science Day

Resource Person: Dr. D. Sailaja, Lecturer in Physics, S.S.B.N. Aided Degree College (Autonomous), Anantapur.





The Nobel Prize in Physics

1930

Professor Sir C.V. Raman

SIR CHANDRASEKHARA V. RAMAN

The molecular scattering of light

Nobel Lecture, December 11, 1930

The colour of the sea

In the history of science, we often find that the study of some natural phenomenon has been the starting point in the development of a new branch of knowledge. We have an instance of this in the colour of skylight, which has inspired numerous optical investigations, and the explanation of which, proposed by the late Lord Rayleigh, and subsequently verified by observation, forms the beginning of our knowledge of the subject of this lecture. Even more striking, though not so familiar to all, is the colour exhibited by oceanic waters. A voyage to Europe in the summer of 1921 gave me the first opportunity of observing the wonderful blue opalescence of the Mediterranean Sea. It seemed not unlikely that the phenomenon owed its origin to

http://nobelprize.org/nobel_prizes/physics/laureates/1930/raman-lecture.pdf



1888-1970

"for his work on the scattering of light and for the discovery of the effect named after him"