

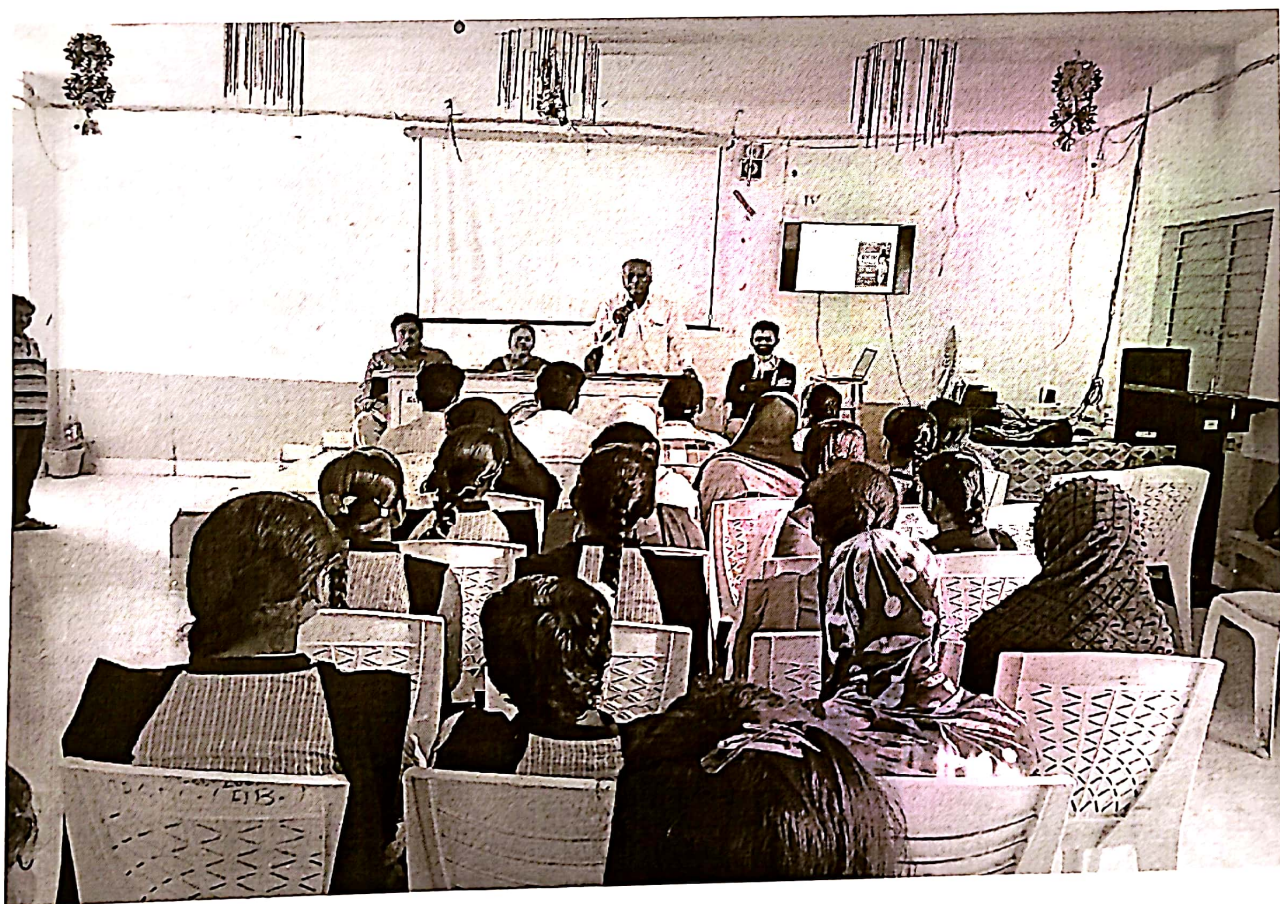
NTR Government Degree College, Vayalpad

Report on

Guest Lecture on “Differential Equations & Its Applications”

Conducted by Dept. of Mathematics

23-12-2022



GUEST LECTURE

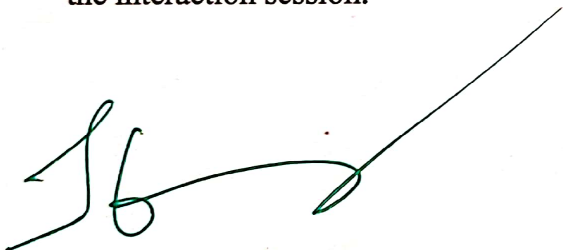
The Department of Mathematics has conducted a Guest Lecture on “Differential Equations & Its Applications” for II and III B.Sc students on 23<sup>rd</sup> December, 2022 delivered by Dr. K. Appala Naidu, Lecturer in Mathematics, Govt Degree College, Baruva.

### Objectives of the programme

1. To know about the importance of differential equations in engineering field.
2. Applications of the differential equations in various fields. In recent years, this has been a great advantage in Mathematical modeling in the field of Engineering. Differential Equations is one amongst in the field of mathematics which has vast applications in all areas. The purpose of the Guest Lecture is to improve the knowledge on differential equations to engineering students which helps them to understand practical problems mathematically.

The Guest Lecture focused on the role of differential equations in various models like population, biological and deflection beam models etc. The importance of differential equations was explained clearly by taking engineering problems such as vibrating string to estimate force and current flow in electrical circuits

At the end of the Lecture students interacted with the Resource Person and they felt happy for it's of great use to them. The resource person has clarified the doubts raised by some students in the interaction session.



**Principal**

**NTR Govt Degree College  
Valmikipuram, Chittoor (Dist)**