

REMARKABLE FEATURES OF NONLINEAR ORDINARY DIFFERENTIAL EQUATIONS

SHYAMPUR SIDDHESWARI MAHAVIDYALAYA
AJODHYA, HOWRAH, INDIA

SEMINAR ON
REMARKABLE FEATURES OF NONLINEAR ORDINARY DIFFERENTIAL EQUATIONS

Organized by
Department of Mathematics
in association with IQAC, SSM

THE SPEAKER
PROF. SWARUP PORIA
Department of Applied Mathematics,
Calcutta University

13-APRIL-2022
HALL, SSM 11 AM - 2:00 PM SEMINAR

ORGANIZING COMMITTEE

PATRON
Mr. Gobinda Prasad Barman, TIC, SSM

CONVENORS
Dr. Arun Kumar Mallik, Associate Prof.
Dr. Deepaksho, Assistant Prof.

ADVISORS
Mr. Rajarshi Mukherjee, IQAC Coordinator
All the IQAC Members

MEMBERS
Mr. Sushendu Mondal, SACT
Ms. Rini Mallik, SACT

SCHEDULE

11:00-11:15 AM
Inauguration

11:15-11:30 AM
Welcome note & inaugural speech

11:30-11:45 AM
Publication of Wall Magazine of the Department
of Mathematics

11:45 AM-1:15 PM
Talk by Prof. Swarup Poria

1:15 PM-1:45 PM
Interactive Session

1:45 PM-2:00 PM
Vote of thanks

Registration Link : <https://forms.gle/A2BzDKeZzFoXWtXA>

Organized by **Department of Mathematics**
In association with **IQAC, S. S. Mahavidyalaya**
Date: **13th April 2022**
Venue: **Seminar Hall, S. S. Mahavidyalaya**
Speaker: **Prof. Swarup Poria**
Department Of Applied Mathematics
University Of Calcutta



Department of Mathematics in association with IQAC, Shyampur Siddheswari Mahavidyalaya organized a seminar entitled "Remarkable Features of Nonlinear Ordinary Differential Equations" on 13th April 2022. The seminar was organized to explore the features and importance of nonlinear differential equations. The speaker of the seminar was Prof. Swarup Poria, Department of Applied Mathematics, University of Calcutta. In real life problems, we generally encounter with non linear

differential equations. However, it is very difficult to solve these equations. Prof. Poria throw the light on various problems where we encounter with non linear differential equations. In his PPT, he highlighted the difference between linear and non linear ODEs. Prof. Poria geometrically demonstrated the behaviour of non linear ODEs. Further, he showed some methods which are extremely useful in solving these differential equations. Undergraduate students of Mathematics Department, S. S. Mahavidyalaya and M.Sc. students from the University of Calcutta actively participated in the seminar. Faculty members from various departments also participated in the seminar.



More than 50 students participated in the seminar. Most of the participants said that the seminar was very informative and well presented. It makes them understand the importance of non linear ODEs. Also, they learn some techniques to handle these differential equations. The seminar was a success.