National Institute of Technology Rourkela

Registration Seminar

Seminar Title	: A class of singular Schr¨odinger-Poisson system with $(p, q)-$ Laplace operator
Speaker	: Vikas Jaiswal (Rollno : 522ma1002)
Supervisor	: Prof. Shesadev Pradhan
Venue	: Department Seminar Hall
Date and Time	: 18 Jul 2024 (11 AM)
Abstract	: The Schr¨odinger-Poisson system has a strong physical background, for instance, it has been widely applied in the field like quantum mechanics models and the semiconductor theory. This seminar focuses on discussing the existence and multiple positive solutions for a class of Schr¨odinger-Poisson type system with (p, q)&minus Laplacian and singular nonlinearity terms. The existence of multiple positive solutions of this kind of system is established on positive cone by using the variational method and the critical point theory of non-smooth functional.

Keywords: Schr¨odinger-Poisson system, Variational method, Critical point theory of non-smooth functional, (p, q)&minus Laplace operator