

Seminar Report

One Day Seminar On

Topic: **“Optimization in Engineering: Statistical Versus Machine Learning Approaches”**

Organized by

Department of Electrical Engineering

(UG Program Accredited by NBA)

Dream Institute of Technology, Kolkata West Bengal, India

On

April 17th, 2025

(17.04.2025)

One-Day Seminar on

“Optimization in Engineering: Statistical Versus Machine Learning Approaches”



Resource Person:

Dr. Sambit Sarkar

Assistant Professor (Senior Grade),

Saveetha Institute of Medical and Technical Sciences, Chennai



Date: 17th April 2025



Time: 12:30 PM – 2:00 PM



Venue: Seminar Hall, Dream Institute of Technology

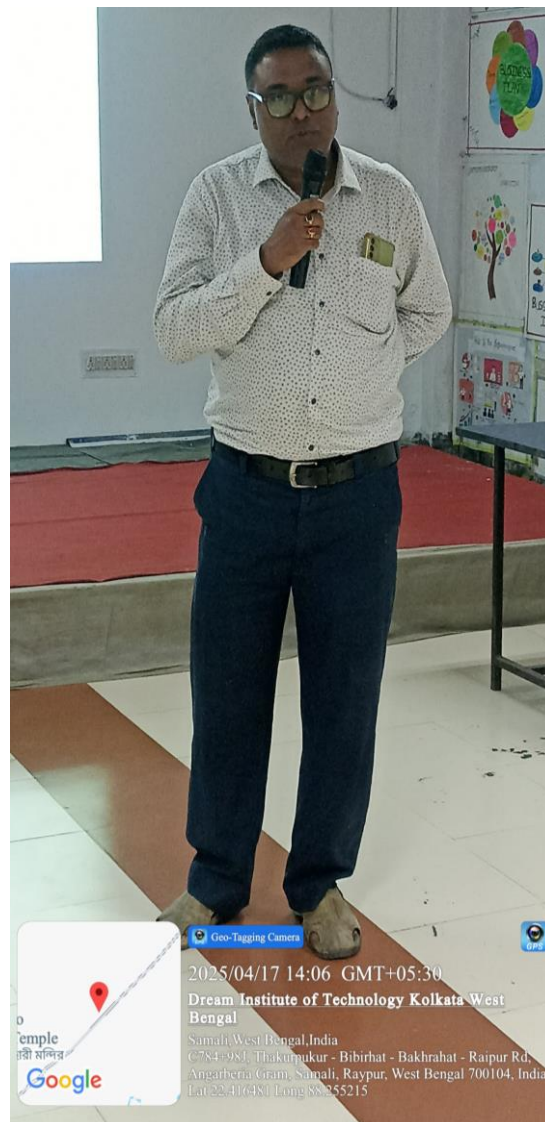
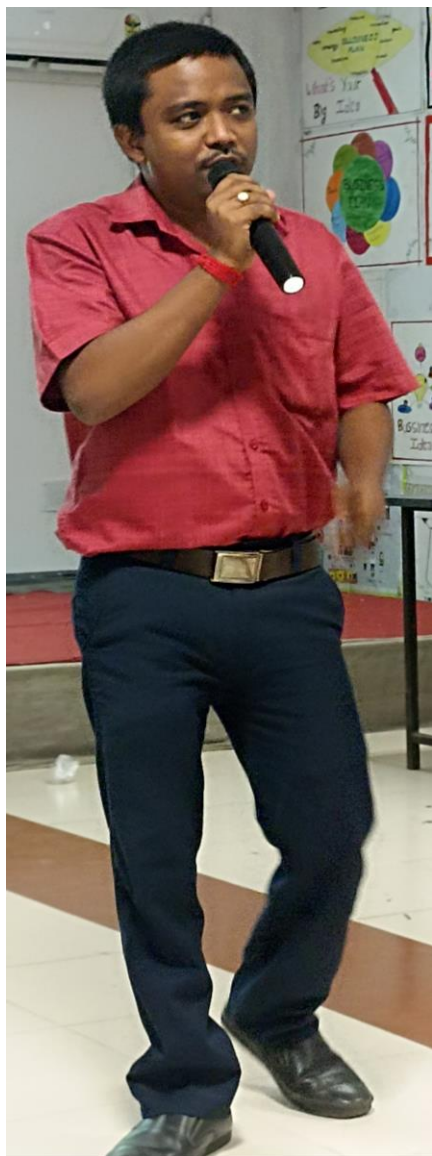


Organized by: Department of Electrical Engineering

Dream Institute of Technology, Thakurpukur, Kolkata – 700104

Detailed Seminar Outcome

The event was organized by Dept. of Electrical Engineering, Dream Institute of Technology, Kolkata, West Bengal at DIT Seminar Hall. The Program was moderated by **Mr. Aritra Dey**, Asst. Prof. Dept. of EE and welcome speech by **Dr. Bivas Roy**, Asso. Prof. & HOD, Dept. of EE.



After the introductory speech of the guest speaker, **Dr. Sambit Sarkar**, Dept. of Biotechnology, **Saveetha Institute of Medial and Technical Sciences**, Chennai starts his talking about the different optimization techniques used in the engineering field. **Dr. Sarkar** delivers his topic on recent trends in the fields of biotechnology and specializes into the field of Bioprocessing. After the deliberation of the fields, like Physical Parameters, Chemical, biological and Scale up parameters are used into the fields of biotechnology.



After the bioprocessing of the selected parameters, sir present the case study of different algorithm like *Genetic Algorithms*, *Artificial Neural Network* and all the parameters are involved into the traditional methods of one factor.



After the deliberation of the optimization of the selected parameters, the students and faculties are very much enthusiastic of the recent topic. **Dr. Bivas Roy** facilitates the guest person with certificate of Appreciation and one essential items.



Lastly, some group photos are taken for easily accessible of the resource persons and in touch with others.

