# Report On FACULTY DEVELOPMENT PROGRAM:

## National Level FDP on Machine Learning in Real Time Engineering Applications

**Organized by**
**Department of Electrical Engineering, RCC Institute of Information Technology**

**9th January 2023—13th January 2023**
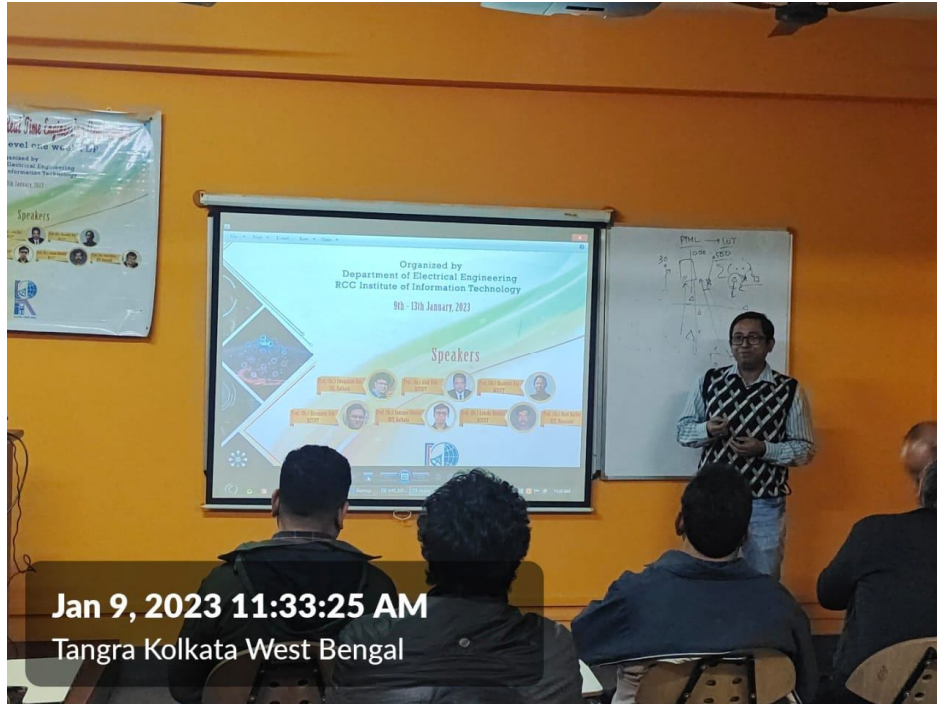**Conveners- Dr. Shilpi Bhattacharya and B. Biswas**

**INAUGURAL SESSION (11 A.M. - 11:30 A.M.): The Program was inaugurated by the Prof. Swagatam Das, ISI, Kolkata and the dignitaries as below:**

- ❖ **Dr. Anirban Mukherjee** *(Principal, RCCIIT)*
- ❖ **Dr. Abhisek Basu** *(FIC, Academics,RCCIIT)*
- ❖ **Dr. Shilpi Bhattacharya** *(Associate Prof., HOD, EE dept, RCCIIT)*

A National level Faculty Development Program was organized on 09/01/2023 to 13/01/2023 on "Machine Learning in Real Time Engineering applications". Understanding the role of Machine Learning being versatile in various disciplines of Engineering, this course was the need of the hour and beneficial for all faculties across Departments.



*Inauguration Program*

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*Inauguration Program*

**Day 1**: The inaugural address was given by **Dr Swagatam Das**, ISI, Kolkata who enlightened the participants on the fundamentals of Machine Learning. Dr Hiranmoy Roy from IT Dept RCCIIT gave his speech on "Machine Learning for Face Recognition".

The Vote of Thanks was given by Prof. Debasish Mondal.



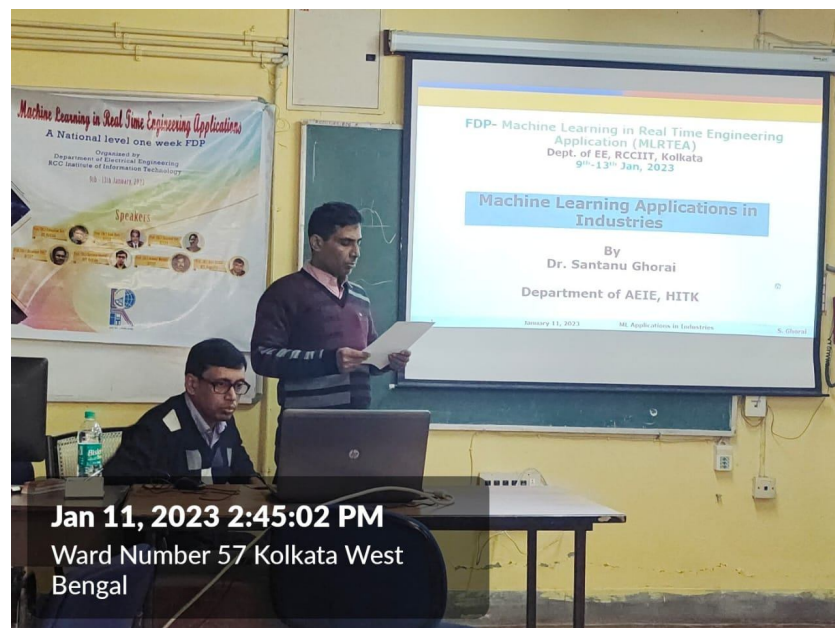*Vote of Thanks by Prof. Mondal to Prof Swagatam Das*



*Appreciation Certificate presented to speaker Prof H. Roy*

<u>Day 2:</u>  The First half was rendered by **Dr. Shaswati Roy**, IT Dept on "Fundamentals of Some Partition Based Clusterimg". **Prof Ashoke Mondal** enlightened the participants on "Machine learning as a tool in Engineering Solutions".

<u>Day3:</u> "Application of Machine Learning in Medical Imaging" was the topic of discussion of **Prof. Alok Kole** during the first half of the day. "Machine learning Applications in Industries" **Prof. (Dr.) Santanu Ghorai, HIT, Kolkata**



*Appreciation Certificate presented to speaker Prof Alok Kole*



*Introducing Prof. Santanu Gorai  by Dr. Mondal*

Day4: **Prof. Dipu Sarkar** from NIT, Nagaland delivered his vast lecture on "Graph Theory and AI Application in Distribution Reconfiguration". He started his speech from the Basic level and enlightened the participants with his body of work in this field.

Day 5: **Prof. Dipu Sarkar** continued his detailed presentation of his vast research experience on "A combined Graph and Machine learning model for Distribution automation". Prof. Sarkar also presented a detailed demonstration of his work in Google Colab.



*Participants of FDP with Dr. Dipu Sarkar*

The FDP ended successfully with a vote of thanks to all Speakers, participants and support staff.

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