

TWO-DAY WORKSHOP  
ON

# UTILISATION OF PATTERN RECOGNITION TECHNIQUES AND POWER ELECTRONIC CONVERTERS IN THE DEVELOPMENT OF MAGNETOSTRICTIVE SENSORS

Date: 18<sup>th</sup> & 19<sup>th</sup> October, 2022

Venue: Seminar Hall  
Department of Electrical Engineering,  
IEST, Shibpur



[REGISTRATION LINK](#)

Organised by  
Department of Electrical Engineering  
Indian Institute of Engineering Science and Technology, Shibpur

## CONTACTS

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सत्यमेव जयते

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INDIAN INSTITUTE OF ENGINEERING SCIENCE AND TECHNOLOGY, SHIBPUR  
भारतीय अभियांत्रिकी विज्ञान एवं प्रौद्योगिकी संस्थान, शिबपुर



# PROGRAMME SCHEDULE

Date	18 <sup>th</sup> October, 2022	19 <sup>th</sup> October, 2022
10.00 am - 11.00 am	Inauguration	
11.00 am - 1.00 pm	'Dictionary Learning Based Signal Processing for Pattern Recognition Problems' by Prof. Amitava Chatterjee	'Design and Prototypes Development in Automation Industry' by Shri Satyabrata Das
1.00 pm - 2.00 pm	Lunch	Lunch
2.00 pm - 4.00 pm	'Characteristics and Applications of Static Power Converters' by Prof. Sujit Biswas	Laboratory Visit
4.00 pm - 5.00 pm	'Applications of Magnetostriction in Energy Harvesting and Development of Smart Sensors' by Prof. Debabrata Roy	Distribution of Certificates & Valedictory Session
5.00 pm - 6.00 pm	'Application of Magnetism in Energy Harvesting, Energy Storage and Protection of Power System' by Dr. Tapan Santra	

## SPEAKERS



**Prof. Amitava Chatterjee**  
Professor, Department of  
Electrical Engineering,  
Jadavpur University



**Prof. Sujit K Biswas**  
➤ Dean (Academic) & Professor,  
Dept. of Electrical Engg.,  
St. Thomas' College of Engineering and Technology  
➤ Ex- Professor & Head, Dept. of EE,  
Jadavpur University



**Prof. Debabrata Roy**  
Professor, Department of  
Electrical Engineering,  
IEST, Shibpur



**Shri Satyabrata Das**  
Proprietor,  
Core Technologies



**Dr. Tapan Santra**  
Assistant Professor,  
Department of Electrical Engineering,  
Kalyani Govt. Engineering College