## INTENDED AUDIENCE

This workshop is intended for Undergraduate and Postgraduate students from Universities, Private Colleges, Govt Colleges, Consultants, . To demonstrate the practical and Private companies.

## EXPERT

- Prof. Naveen B.P. NITTTR, Kolkata
- Prof. M.A.Jayaram RASTA, Bengaluru



#### COURSE FEE

Registration fee is Rs. 2000

## **REGISTRATION DETAILS**

https://payments.billdesk.com/bdcol lect/bd/nittkolkata/10074

#### **CONTACT US**

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### **OBJECTIVES**

- To provide participants with a understanding fundamental machine learning concepts and techniques.
- of machine applications learning techniques in various civil engineering domains.
- To equip participants with the skills to implement machine learning models using relevant tools and software.

## **TOPICS TO COVERED**

- Introduction covariance. their correlation, & significance in ML
- Maximum likelihood, and pvalue, its interpretation
- Bootstrapping, and wrapper methods
- Alternative hypothesis and confidence interval
- ANNOVA, and t-tests
- · Ridge, loss and elastic net regression and applications in
- Fisher's Bayee's theorem, exact test
- PCA & its application in Civil Eng
- SVM & its application in Civil Eng

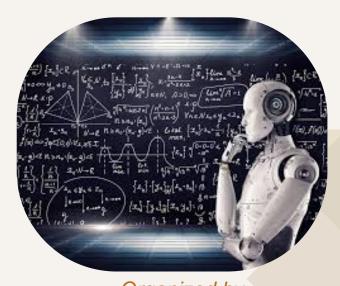
## **SHORT TERM TRAINING PROGRAMME**

# **MACHINE LEARNING** FOR CIVIL ENGINEERING

**Program Code: CU77B** 

ONLINE MODE

12th -23rd AUG 2024



Organized by **Department of Civil Engineering** 

