

Online Training in AI/ML for Atmosphere-Ocean Applications for Beginners

15th -19th February 2021 | 10:00 AM – 04:00 PM | Venue: WebEx [Online Training]

	10:00 – 11:00AM	11:00 – 12:00 PM	12:00 – 12:15 PM	12:15– 1:15 PM	01:15 – 02:30 PM	02:30 – 04:00 PM
15 th Feb	Welcome, Inaugural Lecture <i>Speaker: Director, IITM</i>	Basics of Machine Learning <i>Speaker: Manmeet Singh</i>	Short Break	Basics of Deep Learning <i>Speaker: Sayanti Bardhan</i>	Lunch Break	Introduction to Python <i>Instructor: Prajeesh A G</i>
16 th Feb	Supervised Learning <i>Speaker: Manmeet Singh</i>	Introduction to Python [Contd.] <i>Instructor: Prajeesh A G</i>		Introduction to AI libraries in Python <i>Instructor: Sayanti Bardhan</i>		Hands-on session <i>Instructor: Dr. Deepesh Jain</i>
17 th Feb	Unsupervised Learning <i>Speaker: Manmeet Singh</i>	Application of AI-ML in forecasting diagnostics <i>Speaker: Dr. Rajib Chattopadhyay</i>		Application in Time Series Reconstruction <i>Speaker: Abir Metya</i>		Hands-on session <i>Instructor: Dr. Deepesh Jain</i>
18 th Feb	Encoder in Met forecasting & Stacked encoder <i>Speaker: Dr. Moumita Saha</i>	Empirical forecasting of data using AI-ML techniques <i>Speaker: Dr. Rajib Chattopadhyay</i>		SR CNN in downscaling and model post processing (Bipin Kumar) <i>Speaker: Dr. Bipin Kumar</i>		Show SRCNN Downscaling example <i>Instructor: Dr. Bipin Kumar & Dr. Rajib Chattopadhyay</i> + Discussion

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19 th Feb	Keynote lecture by Prof Uday Bhatia, IIT Gandhinagar	Keynote lecture by Prof Joy Monteiro, IISER Pune	Keynote lecture by Prof Arun K T, IIT Chennai