One Week Online Faculty Development Programme on

Machine Learning & Its Applications

16th March to 20th March 2021

Sponsored by

TEQIP,
Dr. Babasaheb Ambedkar Technological University, Lonere.

Organized by
Electronics & Telecommunication Engineering Department

Shri. Shamrao Patil (Yadravkar) Educational and Charitable Trust's

SHARAD INSTITUTE OF TECHNOLOGY COLLEGE OF ENGINEERING, YADRAV-ICHALKARANJI

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It is matter of great pride and privilege to introduce our Institute. Shri Shamrao Patil (Yadravkar) Educational & Charitable Trust's, Sharad Institute of Technology, College of Engineering, Yadrav (Ichalkarnji) (SITCOE), An Autonomous Institution in the State of Maharashtra. SITCOE has been established in the year 2009 with a view to "Build a Bright Future" for the young people of the Rural part of our Country. The College is approved by AICTE, New Delhi, recognized by Govt. of Maharashtra i.e. DTE, Mumbai and affiliated to DBATU, Lonere.

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About the Department :
The Department of Electronics and Tele-Communication was started with an intake of 60 Students and further enhanced in to 120 students of intake at UG level. Department of ETC having eminent faculty members with 3 Doctorates. Department is having with State of Art infrastructure in addition of Innovation Centers like PCB Design, Texas Instruments and we are proud to say that we have established a VLSI and Embedded System Centre of excellence under ESSI, which is second lab in India.

About Workshop:
Machine Learning (ML) plays a significant role in the modern engineering and information processing systems. It is a rapidly growing field. The Machine Learning is an essential part of pattern recognition, object detection and classification, clustering, data mining and speech recognition etc.

Machine learning (ML) is the scientific study of algorithms and statistical models that computer systems use to perform a specific task without using explicit instructions, relying on patterns and inference instead. The purpose of machine learning is to discover patterns in the data and then make predictions based on often complex patterns to answer business questions, detect and analyze trends and help solve problems. Machine learning is effectively a method of data analysis that works by automating the process of building data models.

The one-week FDP on machine learning aims to introduce the fundamentals of machine learning techniques. However, FDP Training will be based on their real-time applications. Overall, this FDP ML is serving to be a great platform for faculty and researchers.

One-week FDP Machine Learning training provides a close summary of Machine Learning topics such as: exploitation period of time information, making algorithms exploitation totally different cubic centimeter techniques, Regression, Classification, and statistic Modelling. This Machine Learning training covers the foremost fashionable and widely used Deep Learning technologies and their applications, further as language process, thus, paving the means for a solid foundation of Machine Learning.

Session Schedule

Day/Date	Time	Session Contents	Resource Person
Day-I 16th March 2021 Tuesday	10.00am-10.30am	Inauguration Function	Hon. Shri. Anil Bagane, (Executive Director, SSPYE&C, Trust), Hon. Dr. S. B. Deosarkar, (Institute Project Director, TEQIP-III) Dr. Dipak Shikarpur Dr. Sanjay Sutar, Associate Professor & Head (Coordinator), DBATU, Lonere Dr. S. A. Khot, (Principal, SITCOE, Yadrav)
	11.00am-1.00pm	Machine Learning & Social goods	Dr. Parag Kulkarni (CEO, Kvinna Ltd.)
	1.30pm-3.30pm	Deep Learning for Computer Vision	Dr. Badri Narayan Subudhi (IIT, Jammu)
	3.45pm-4.45pm	Introduction to Machine learning	Dr. Abhyankar (Dean Faculty of Technology, SP Pune University)
Day-II 17th March 2021 Wednesday	10.00am-12.00pm	Linear & Non Linear Regression	Dr. P.J. Kulkarni (SITCOE,Yadrav)
	12.30pm-2.30pm	AI,ML & DL myths & Realities	Dr. Parikshit Mahalle (KNCE, Pune)
	2.45pm-4.30pm	Machine learning Basics	Dr. Ganesh Bhokare (VP,Smartron, Hydrabad)
Day-III 18th March 2021 Thursday	10.00am-11.00pm	AI-Machine Learning Regression	Dr. Ganesh Bhokare (VP,Smartron,Hydrabad)
	11.30am-1.30pm	Challenges & opportunities in ML	Dr. Maneesh Kokare (SGGS, Nanded)
	2.30pm-4.30pm	Applications of ML in Biomedical field.	
Day-IV 19th March 2021 Friday	10.00am-12.00pm	ML Performance Analysis	Dr. P.J. Kulkarni (SITCOE,Yadrav)
	12.30pm-2.30pm	Python Programming	Ms. Suprabha Jadhav (IIT, Bombay)
	2.45pm-4.30pm	Machine learning	Dr. Ganesh Bhokare (VP, Smartron, Hydrabad)
Day-V 20th March 2021 Saturday	10.00am-12.00pm	Python Programming for ML	Arun Patokar
	12.30pm-1.30pm		
	2.00pm-4.00pm	Algorithms in machine learning	Dr. Ganesh Bhokare (VP, Smartron, Hydrabad)
	4.00pm-4.30pm	Vote of Thanks	

Objectives:

- To provide a concise introduction to the fundamental concepts in machine learning including mathematical foundations, programming tools and packages and popular machine learning algorithms.

- To present recent trends and applications of machine learning.

- Get acquainted with knowledge in Machine Learning principles through a lot of practical applications covering industrial case walk-throughs and real-time applications.

Content of Workshop:
- Challenges and opportunities in machine learning
- Applications of machine learning in biomedical field.
- Machine learning and social goods.
- Deep Learning for Computer Vision.
- AI,ML &DL myths & Realities
- Python Programming features for ML.

Resource Person:
1. Dr. Maneesh Kokare, SGGS, Nanded
2. Dr. P.J. Kulkarni , SITCOE, Yadrav
3. Dr. Badri Narayan Subudhi, IIT, Jammu
4. Dr. Parag Kulkarni, CEO, Kvinna Ltd.
5. Dr. Parikshit N. Mahale, SKNCoE, Vadgaon (Bk), Pune
6. Dr. Abhyankar , Dean, Faculty of Technology, S. P. Pune University, Pune
7. Dr. Ganesh Bhokare, V.P., Smartron, Hyderabad
8. Experts from Industry & Academia

Registration Fee : Nil
Registration Link : https://forms.gle/b46xfrnbwJud1So58