

One week workshop on
Research Trends in Machine Learning
(RTML-17)

(October 09th - 11th, 2017 & November 16th-18th, 2017)

Organized by

Department of Information Technology

JNTUK - University College of Engineering Vizianagaram (A)

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Workshop Description:

Machine Learning draws on concepts and results from many fields, including Statistics, Artificial Intelligence, Philosophy, Information Theory, Biology, Cognitive Science, Computational Complexity, and Control Theory.

The **Motivation** of conducting this workshop is that the best way to learn about Machine Learning is to view it from all of these perspectives and to understand the problem settings, algorithms, and assumptions that underlie each intended fields such as Computer Science, Engineering, Statistics, and the Social Sciences, and as a reference for Software Professionals and Practitioners.

Challenges:

Anomaly Detection, Natural Language Processing (NLP), Recommendation systems, Named entity recognition, Image recognition etc.

Pre-requisites:

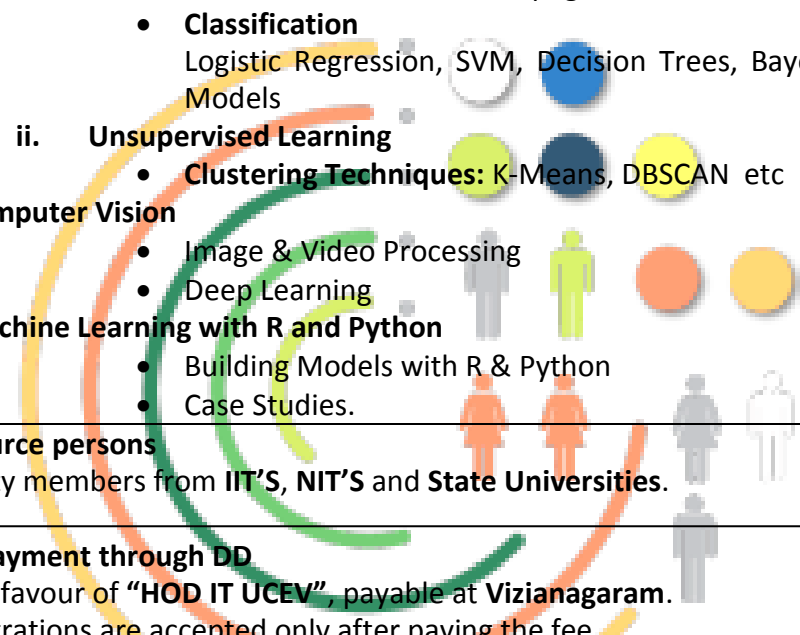
Basic experience in programming using R and Python is necessary for doing practical exercises. We assume no prior knowledge in Machine Learning (as it is an introductory course), however basic knowledge of Probability, Linear Algebra, Statistics and algorithms.

Pedagogy:

Will consist of theoretical sessions to enable participants to understand the conceptual base and contain programming exercises to reinforce the learning. **Participants are required to bring their own Laptops** (Wi-Fi connectivity will be available)

Target Audience:

Academicians, Research Scholars, PG students, Developers, Data Scientists/Data Analysts and Young Engineers who want to learn the concepts of Machine Learning and its Applications.

<p>Workshop Website For registration and latest updates visit the below https://sites.google.com/view/research-trends-ml-2017</p>	<p>Out Come: Machine Learning theory attempts to answer questions such as “How does Learning performance vary with the number of training examples presented?” and “Which Learning algorithms are most appropriate for various types of learning tasks?”. The practice of Machine Learning is covered by presenting the major algorithms in the field, along with illustrative traces of their operation.</p>
<p>Registration Fees Young Engineers : Rs.1000/- PG Students : Rs.1500/- Research Scholars : Rs. 2000/- Academician : Rs. 2500/- Industry & Others : Rs. 3000/- Interested candidates can apply through online by visiting the URL : https://goo.gl/forms/XbbwBvIU3Gti4NY83 Payment: For Cash Deposit/ Online Transfer A/C number: 405901011002788 Name : HOD IT UCEV Bank : Vijaya Bank Branch : Vizianagaram,AP IFSC code : VIJB0004059</p>	<p>Topics Covered in this Workshop: 1.Introduction to Machine Learning & Analytics Classification of Analytics i. Descriptive Data Analysis ii. Predictive Analytics iii. Prescriptive Analytics 2. Predictive Analytics i. Supervised Learning <ul style="list-style-type: none"> Regression Linear & Polynomial Regression, Bayes Theorem, Neural Networks, Back Propagation, SVR Classification Logistic Regression, SVM, Decision Trees, Bayesian Models ii. Unsupervised Learning <ul style="list-style-type: none"> Clustering Techniques: K-Means, DBSCAN etc 3. Computer Vision <ul style="list-style-type: none"> Image & Video Processing Deep Learning 4. Machine Learning with R and Python <ul style="list-style-type: none"> Building Models with R & Python Case Studies. </p> 
<p>RTML-Organizing Committee Mr. B. Tirimula Rao , Asst. Prof, Department of IT Mr. W. Anil , Asst. Prof, Department of IT Mrs. R. Roje Spandana , Asst. Prof(C), Department of IT Mrs. R.S.S. Jyothi , Asst. Prof(C), Department of IT Mr. P .Venkateswarlu , Asst. Prof(C), Department of IT Mr .K.Srikanth , Asst. Prof(C), Department of IT Mrs.B.Manasa , Asst. Prof(C), Department of IT Mrs. Madhumita Chanda , Asst. Prof(C), Department of IT Mr .M.Kamalakar , Asst. Prof(C), Department of IT Mrs.K.Madhavi , Asst. Prof(C), Department of IT</p>	<p>Resource persons Faculty members from IIT’S, NIT’S and State Universities.</p> <p>For Payment through DD DD in favour of “HOD IT UCEV”, payable at Vizianagaram. Registrations are accepted only after paying the fee.</p> <p># Registration Fee includes Workshop Kit, Lunch and Snacks for One Week.</p> <p># Accommodation is available for outreach participants on payment basis at UCEV Hostels on Prior Request. For further details contact the Coordinator.</p> <p>Participants are required to bring their own laptops (Wi-Fi Connectivity will be available) Handouts and Materials will be updated in our Workshop website https://sites.google.com/view/research-trends-ml-2017</p>

