

REGISTRATION FORM

(Submit scanned copy of DD/ Bank trans. receipt along with this filled-up form to ensure your participation)

Name: _____

Designation: _____

Category: _____

Qualification: _____

Department: _____

Organization: _____

Mobile: _____

Email-id: _____

Amount: _____ [Online / DD] Date: _____

DD/ Transaction No: _____

Sender's Account No. : _____

(For online transaction)

Bank Name & Branch: _____

Signature of the Candidate

SPONSORSHIP CERTIFICATE

Ms./Mr. _____

Designation _____ has been authorized to attend all sessions of the FDP during the period from 1st September 2017 to 6th September 2017 at SCSIT, DAVV, Indore.

OFFICE SEAL

SIGNATURE
Head of Institution

PATRONS

Dr. Narendra Kumar Dhakad
Vice Chancellor, DAVV, Indore
Prof. P. K. Jain
Director, IIITDM Jabalpur

CO-ORDINATORS

Dr. Maya Ingle
School of Computer Science & IT,
DAVV, Indore
(Mob. No. 09893278823)
Prof. Aparajita Ojha
Professor CSE and
Chief Coordinator, E&ICT Academy
IIITDM Jabalpur

ORGANIZING COMMITTEE

Dr. Sanjay Tanwani
(09826623640)
Dr. Preeti Saxena
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School of Computer Science & IT,
Devi Ahilya Vishwavidyalaya,
Takshashila Campus, Khandwa Road,
Indore (M.P.)



Faculty Development Programme on Machine Learning Basics and Emerging Trends

1st Sept 2017 to 6th Sept 2017



Organized by

School of Computer Science & IT

Under

E&ICT Academy,
PDDM IIITDM Jabalpur

An initiative of
Ministry of Electronics and Information
Technology

Government of India

-:Venue:-

School of Computer Science & IT,
D.A.V.V., Indore (M.P.)

ABOUT THE UNIVERSITY:

Devi Ahilya Vishwavidyalaya, Indore (DAVV) established in 1964 and has emerged as a premier institution of higher learning in Central India by creating, advancing and disseminating knowledge. It is the first state University in Madhya Pradesh accredited with "A" grade by NAAC. It owns 27 University Teaching Departments offering around 184 academic programmes and more than 270 colleges are affiliated to it.

ABOUT THE SCHOOL:

SCSIT was established in 1986 and since then has endeavored into promoting technical education & research in contemporary areas of CS & IT. The School is one of the pioneers in central region to impart computer education in the country. It is supported by UGC-SAP and DST-FIST schemes and collaborated with some organizations of National importance. It offers M.Tech programmes with specialization in CS, Network Management & Information Security and Information Architecture & Software Engineering, MCA, M.Sc.(CS), M.Sc.(IT), MBA(CM) and PGDCA and undergraduate programme BCA.

ABOUT ELECTRONICS & ICT ACADEMY, IIITDMJ

Ministry of Electronics and Information Technology, Government of India has instituted seven Electronics and ICT Academies with one academy at PDPM IIITDM Jabalpur with the primary objective preparing manpower for two important missions - 'Digital India' and 'Make in India'. The Academy aims at the design and implementation of scalable training programs in niche areas of electronics and ICT for the development of required knowledge base, skills and tools to unleash the talent of Indian population. The Academy at PDPM IIITDMJ runs high quality specialized courses for faculty, students and unemployed graduates. In addition, the Academy conducts customized training programs and research promotion workshops for corporate sector and educational institutions. The Academy is envisioned to become a central hub of activities on training, consultancy work and entrepreneurship programs.

OBJECTIVES :

- To provide an exposure of ML and recent research trends in it as an up-coming domain.
- To make use of ML domain for transformational research.

EXPECTED OUTCOME:

Enhancement of knowledge in ML, awareness of tools for implementation in problem solving so as to improve teaching-learning process and research orientation.

IMPORTANT DATES:

- Last Date of Online Registration: August 25, 2017.
- Spot Registration also available, if seats are available.
- **Course Dates: September 1-6, 2017.**

COURSE CONTENTS:

1. Machine Learning Basics- Machine Learning Problems and their analysis, Deciding problem space, Understanding and dependencies, Representing dependencies.
2. ML Models and Basic Learning Methods- Supervised and Unsupervised Learning, their applications, Representing learning mathematically, Building model, Feature Vector, Learning policy selection, Scenario Analysis.
3. Use of Data Effectively for Learning- Clustering Applications, Hands on and Graphical representation.
4. Understanding classification problem- Multi label and multiclass classification, Clustering and classification, Extracting information from test data, Vectors and matrices for features, Basic probabilistic classification methods. Statistical approach to learning, Conditional probability and Bayesian significance, SVM, Kernel function, Hands on with R and Weka.
5. Data and Feature Engineering- Feature selection, Weights and feature representation, Feature vectors and matrices, Reinforcement Machine Learning, Q Learning, Reward maximization, TD learning, Hands on for feature selection.
6. Deep Learning and Deep Reinforcement ML- Neural networks, Deep Learning Basics, Deep Architecture, Tensorflow, Concepts of deep reinforcement Machine Learning, Advanced Topics in ML, Hands-on.

RESOURCE PERSONS:

Experts from well-known Premier Institutes:
Prof. K. K. Shukla, Prof. & Head, CSE, IIT BHU.
Prof. P. K. Chande, Former Director, MANIT, Bhopal
Dr. Atul Gupta, PDPM IIITDM, Jabalpur.
Dr. Arun Khosla, Department of CSE, NIT, Jalandhar.
Dr. Parag Kulkarni, iknowlation Research Labs, Pune.
Mr. Shantanu Pathak, iknowlation Research Labs.

WHO SHOULD ATTEND:

This program is open to faculty and research scholars from all the colleges and universities. Industry personnel working in the concerned/allied discipline may also apply.

HOW TO APPLY:

Interested candidates can fill the registration form available online at ict.iiitdmj.ac.in or download and send the completed application form along with the scanned copy of the DD/ transaction receipt as registration fee through mail on or before 25th August 2017 on tarjani_85@yahoo.co.in OR himanshuk.verma1990@gmail.com with a copy to academyjbp@gmail.com. The DD should be in favour of "Registrar, DAVV, Indore" payable at Indore.

REGISTRATION FEES:

1. Faculty and Research Scholars (Local):
GEN/OBC – Rs. 1000/-, SC/ST Rs. 500/-
2. Industry Person: Rs. 5000/-
3. Accommodation Charges for out-stationed participants: Rs.2500/-

You can also make online payment as per the following information:

- a) Name of Bank: Canara Bank
- b) Branch Name: Siyaganj Branch, Indore
- c) Account No. : 0359101022035
- d) IFSC Code: CNRB0000359
- e) MICR Code: 452015004

BOARDING AND LODGING:

Facilities will be made available upon prior request with minimal charges as mentioned above. Participant must inform for the same before 25th August 2017.

Contact person: himanshuk.verma1990@gmail.com

(09977662931)