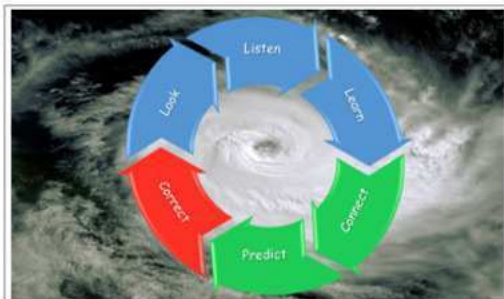


DECEMBER 05, 2012

Statement of Accomplishment

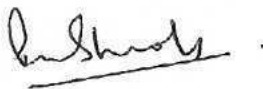
VLAD HAYRAPETYAN

HAS COMPLETED



Web Intelligence and Big Data

This course is about building 'web-intelligence' applications exploiting big data sources arising social media, mobile devices and sensors, using new big-data platforms based on the 'map-reduce' parallel programming paradigm.



DR. GAUTAM SHROFF
VICE PRESIDENT & CHIEF SCIENTIST
TCS INNOVATION LABS
TATA CONSULTANCY SERVICES

PLEASE NOTE: THE ONLINE OFFERING OF THIS CLASS DOES NOT CONFER A GRADE, AND DOES NOT VERIFY THE IDENTITY OF THE STUDENT.

Web Intelligence and Big Data

(Fall 2012 Course Schedule)

Units	Dates	# Hours
0. Introduction and Overview of Instruction Platform	Aug 27 – Aug 31	1 + 1**
1. Look: Big Data and Search Indexing, PageRank and Memory	Sep 3 - 7	2
2. Listen: Information, Language and Classifiers Analyzing Sentiment and Intent	Sep 10 - 14	2
3. Load: Databases and their evolution Big data technology, Map reduce <i>Programming HW</i>	Sep 17 – 21 Sep 24 - 28	3
BREAK (IIIT mid-term week) – take a break to get feedback/ iron out any issues etc.	Oct 1 – 5	
4. Learn: Learning: Clustering, Mining, Machine Learning and its Limits Information Extraction	Oct 8 – 12	2
5. Connect: Reasoning: Logic and its Limits Dealing with Uncertainty	Oct 15 – 19	2
6. Predict: Putting it all together: Hierarchical Reasoning Predictive Analytics in Business; Predictive Intelligence in Humans <i>Programming HW</i>	Oct 29 – Nov 2 Nov 5 - 9	3
7. Applications in Medical Diagnostics <i>Programming HW*</i>	Oct 22 – 26 or anytime before Nov 9 (IIIT)	2*
Final Examination	Nov 9	

** only for IIIT Delhi; ** introduction to platform will be in-person and repeated at IIT and IIIT*