

DEPARTMENT OF INFORMATION TECHNOLOGY PVPSIT - VIJAYAWADA.		
A THREE DAY NATIONAL WORKSHOP – 2017-18		
WORKSHOP: DAY-1 (26.10.2017)		
S.No	Topic	Time
Session-I [10:00 AM to 1:00PM]		
1	Big Image Data; Big Image Data Processing	10:00AM
Tee Break[11:30AM to 11:45 AM]		
2	Hadoop Installation in Standalone mode and Execution of word-count program on Hadoop (Lab)	12:00PM
Lunch Break[1:00PM to 2:00PM]		
Session II [2:00PM to 5:30 PM]		
3	Hadoop Installation in Pseudo Distributed mode (Lab)	2:00PM
Tee Break [3:30PM to 3:45PM]		
4	Execution of word-count program on Pseudo Distributed Hadoop (Lab)	3:45PM
WORKSHOP: DAY-2 (27.10.2017)		
Session-I [9:00 AM to 1:00PM]		
5	<ul style="list-style-type: none"> • Writing a program using JAVA Map-Reduce paradigm (word count example) • Matrix Multiplication with Hadoop Map-Reduce.(different methods) 	9:00AM
6	Fundamentals of Image Processing	11:00AM
Tee Break[11:30AM to 11:45 AM]		
7	'Large Image' Processing in Distributed Environment.	11:45AM
8	Hadoop Installation in Fully Distributed mode (Lab) and Execution of word-count program on Hadoop (≈1TB)(Lab)	12:30PM
Lunch Break[1:00PM to 2:00PM]		
Session II [2:00PM to 5:30 PM]		
9	Image Smoothing/Sharpening/Edge Detection with Map-Reduce (Satellite image size > 3000×3000 each)	2:00PM
Tee Break [3:30PM to 3:45PM]		
10	MATLAB and Hadoop Integration with fully Distributed mode (Lab) and Execution of word-count program on Hadoop with MATLAB (≈1TB:Lab)	3:45PM
11	Execution of Image Processing Program MATLAB and Hadoop Cluster for (≈10,000 Images: Lab)	4:15PM
WORKSHOP: DAY-3 (28.10.2017)		
Session-I [9:00 AM to 1:00PM]		
12	Algorithms for Big Data	9:00AM
Tee Break[11:30AM to 11:45 AM]		
13	Working with HIVE (Theory and Lab)	11:45AM
Lunch Break[1:00PM to 2:00PM]		
Session II [2:00PM to 5:30 PM]		
14	Spark Clustering in Fully Distributed Mode and a sample program execution on spark cluster. (Lab)Practice	2:00PM
Tee Break [3:30PM to 3:45PM]		
15	Video Processing on Matlab-Hadoop (Theory and Lab)	3:45PM