Course Schedule
(Mon Sep 02, 2019 09:45 AM - Thu Sep 26, 2019 12:30 PM)

	Day 1 (Mon)	Day 2 (Tue)	Day 3 (Wed)	Day 4 (Thur)	Day 5 (Fri)	Day 6 (Sat)
Wk 1	Lesson 1 **Introduction to Big Data & Hadoop**	Lesson 2 **HDFS & YARN**	Lesson 3 **MapReduce & Java MR API**	Lesson 4 **Combiner, Partitioner, In-mapper Combiner**	**Review & Lab Practice**	Lesson 5 **Apache Avro**
Wk 2	Lesson 6 **Pig and Pig Latin**	Lesson 7 **Advanced Pig**	Review for Mid-Term Exam	**Midterm Exam**	Lesson 8 **Hive and HQL**	Lesson 9 **Sqoop & Flume**
Wk 3	Lesson 10 **Apache HBase**	Lesson 11 **Apache Spark**	**Final Project**	**Final Project**	**Final Project**	**Final Project**
Wk 4	**Project Presentation**	**Project Presentation**	Review for Final Exam	**Final Exam**		

Course Schedule in Details
(Mon Sep 02, 2019 09:45 AM - Thu Sep 26, 2019 12:30 PM)

MAHARISHI UNIVERSITY OF MANAGEMENT

CS 523 - Big Data Technology

Unfolding Knowledge as Nature Unfolds the Universe

Course Theme : To gain theoretical and practical knowledge of different Big Data Technologies

Course Overview Chart

WEEK		MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
WEEK 1	AM	**Lesson 1** **Introduction to Big Data & Hadoop**	Asgmt 1 Due **Lesson 2** **HDFS & YARN**	Asgmt 2 Due **Lesson 3** **MapReduce & Java MR API**	Asgmt 3 due **Lesson 4** **Advanced MapReduce**	Asgmt 4 due **Quiz & Lab Practice**	Lab 3 Due **Lesson 5** **Apache Avro**
	PM	Install Cloudera Quickstart VM-Lab1	Explore Hue & HDFS commands	Hands-on Java WordCount-Lab2	Work on Asgmt 4	Work on Lab 3	HW – Lab 4
	Eve	HW – A1, L1	HW – A2 Lab 1 Due	HW – A3, L2	HW – A4, L3 Lab 2 Due		EC Lab Due
WEEK 2							
	AM	Lab 4 Due	Lab 5 – part I Due	Lab 5 – part II Due	**Mid-term Exam**	**Lesson 8**	**Lesson 9**

		Lesson 6 **Pig & Pig Latin**	**Lesson 7** **Advanced Pig Concepts**	**Mid-term Exam Review**		**Hive and HQL**	**Sqoop and Flume**
	PM	Continue lesson & practice lab	Continue Lab5	Mid-term Exam Preparation	Take Rest	Work on Lab 6	HW – Lab 7
	Eve	HW – Lab5	HW – Lab5			HW – L6	Lab 6 Due

WEEK 3	AM	Lab 7 due **Lesson 10** **NoSQL DB: Apache HBase**	Lab 8 due **Lesson 11** **Apache Spark Introduction**	Lab 9 due **Final Project Start**	**Final Project Teams Review**	**Work on Project**	**Work on Project**
	PM	Work on Lab 8	Work on Lab 9	Work on Project	Work on Project		
	Eve	HW – Lab 8	HW – Lab 9				
WEEK 4							
	AM	**Project Presentation**	**Project Presentation**	**Final Exam Review & Preparation**	**Final Exam**		
	PM		**Project Submission**		*End of Course F/B*		