Mahavir Education Trust's

Shah & Anchor Kutchhi Engineering College,

Chembur, Mumbai 400 088

UG Program in Information Technology

Academic Year 2018-19

SEM-VIII

Unique Course Number: ITC.3.4	**Course: Big Data Analytics**
ITC.3.4.1	Identify Key issues in big data and its associated application.
ITC.3.4.2	Describe fundamental enabling techniques and scalable framework, Algorithm and database like Hadoop, MapReduce and NoSQL respectively.
ITC.3.4.3	Apply business models and scientific computing paradigms using software tools.
ITC.3.4.4	Apply knowledge of Big Data Analytics in various applications like recommender systems and social media application.
Unique Course Number: ITC.5.4	**Course: Storage Networks Management & Retrieval**
ITC.5.4.1	Identify need for storage network.
ITC.5.4.2	Describe storage architectures such as SAN, NAS.
ITC.5.4.3	Identify different storage virtualization techniques.
ITC.5.4.4	Describe backup recovery, business continuity & text processing techniques.
Unique Course Number: ITC.9.4	**Course: Computer Simulation and Modelling**
ITC.9.4.1	Explain the meaning of simulation and identify its application.
ITC.9.4.2	Apply various language and package to perform system simulation of various discrete event systems.
ITC.9.4.3	Analyze different data distribution for system modeling and performance
ITC.9.4.4	Generate and test pseudo random numbers, random variants and testing subsequent randomness
Unique Course Number: ITC.9.8	**Course: Software Testing & Quality Assurance**
ITC.9.8.1	Discuss Testing Methodology & Techniques.
ITC.9.8.2	Describe Various Test Processes for quality management.
ITC.9.8.3	Identify & select automation tools based on guidelines of testing.
ITC.9.8.4	Analyze testing for specialized environment.
Unique Course Number: ITC.7.5	**Course: Soft Computing**
ITC.7.5.1	Design and analyze various Learning Algorithms for Neural Networks.
ITC.7.5.2	Design and analyze fuzzy logic for various real world applications.
ITC.7.5.3	Design and analyze Genetic Algorithms.
ITC.7.5.4	Analyze and Design Adaptive Neuro-Fuzzy hybrid systems.
Unique Course Number: ITC.9.10	**Course: Project-II**
ITC.9.10.1	Design and develop a system
ITC.9.10.2	Verify whether system requirements have been accomplished
ITC.9.10.3	Practice teamwork and peer communication
ITC.9.10.4	Prepare the documentation and effectively present it