

Course Details						
Stream		Technology				
Department		Emerging Technologies				
Subject		Artificial Intelligence				
SL No.	Module	Lesson	Session	Description/Highlights	Skill Acquired	Duration
0	Welcome and Introduction					5:00:00
		Introduction				
			Orientation			
			Icebreaking Session			
			Talent of the Future			
1	Python for AI					41:30:00
		Inspiration Before Deep Diving				
			RWC: Future of AI/ML, Application, and Industry			1:30:00
		The A-Z of Python for AI				
			Introduction to Python Interpreter & Compiler			
		Variables and Data Types				
2	Natural Language Processing and Neural Networks					32:00:00
		Deep Diving to NLP and Neural Networks				
3	Exploring Deep Learning					32:00:00
		Deep Learning				
		Keras				
		Deep Neural Networks				
4	Machine Learning					32:00:00
		Introduction to AI and Machine Learning				
		Supervised Learning				
		Supervised Learning Classification				
		Non-Supervised Learning				
		Ensemble Learning				
		Recommender Systems				
		Reinforcement Learning				
5	Data Science					32:00:00
		Data Science Introduction				
			Real World Connect			
			What is Data Science?			
			Where is Data Science Needed?			
			How Does a Data Scientist Work?			
		Understanding Data				

			Unstructured and Structured Data			
			How to Structure Data?			
		Data Science & Python				
			Numpy			
			Pandas			
			Matplotlib			
			Scipy			
		Numpy(Numerical Python)				
		Pandas				
		Matplotlib				
		SciPy				
		Data Science Functions				
		Data Preparation				
		Data Science Math				
		Data Science Statistics				
			Correlation Matrix			
		Data Science with SQL				
			Getting Started and Selecting & Retrieving Data with SQL			
			Filtering, Sorting, and Calculating Data with SQL			
			Modifying and Analyzing Data with SQL			
6	OpenCV in AI					32:00:00
7	AI Algorithms in Self Driving Cars					16:00:00
			AI Self-driving car - Lane detection			
			AI Self-driving car - Traffic signal detection			
			E-cam - Face Detection & Face recognition AI Projects			
8	ESP 32 - Kit based Neural Networks / Machine Learning projects					20:00:00
9	RaspberryPi Robotics - OpenCV in AI / Self Driving Cars					80:00:00
		OpenCV in AI / Self Driving Cars				
10	Skills for the New Age					27:00:00
		Essential Skills				

			GitHub	<p>What is GitHub? How does one use GitHub? What are issues and pull requests? How do you create a branch and a commit? How do you use GitHub Pages?</p> <p>And when you're done you'll be able to: Communicate in issues Manage notifications Create branches Make commits Introduce changes with pull requests Deploy a web page to GitHub pages</p>		
			Storytelling skills			
			Basic Sales Skills			
			Customer Relationship & Service			
			Business Communication			
			Communication Skills	Manifesting Thoughts and Ideas, Art of Asking Questions		
			Team Building			
			Etiquettes			
			Developing Empathy			
			Mindful Matters			
		Exploring The Tech World				
			Robotics and Its Opportunities			
			Computer Vision and the World of Images			
			AI in the Industry	Astronomy, Business, Healthcare, Finance, Law, Automobile, Marketing		
			Exploring IoT			
			Introduction to Cloud Computing			
			Introduction to AWS			
			Cyber Security and Surveillance			
11	Internship					373:00:00
11	Inspiration Before Deep Diving					
			Unit-034 Introduction to AI/ML			
			Unit-035 Machine Learning			
			Unit-036 NLP & Neural Networks			
			Unit-037 Data Science			
			Unit-038 Data Science Statistics & Math			
			Unit-039 OpenCV in AI			

			Unit 040 Autonomous Cars			
			Unit 041 AI in Robotics			