

# Data Science and Its Engineering Applications using Python (19 -24 June 2019)

**College Name: G Pullaiah Engineering College & Technology(Autonomous). Kurnool**

## Tentative Schedule

Day& Date	09.00 – 11.00		Tea Break	11.15-13.15	Lunch Break	14.00-16.00	Tea Break	16.15-17.15	
<b>19.06.2019 Wednesday</b>	Registration & inauguration From 8.30 am	Statistical Analysis using Python VRN		Statistical Analysis using Python VRN		Statistical Analysis using Python VRN		Statistical Analysis using Python VRN	Statistical Analysis using Python VRN
<b>20.06.2019 Thursday</b>	Object Oriented Programming with PYTHON: Creating Classes and Objects SS		Object Oriented Programming with PYTHON: Multithreading, Errors & Exception Handling SS	Database Connectivity with PYTHON: Establishing Database Connectivity MySQL, Oracle SS	Database Connectivity with PYTHON: Establishing Database Connectivity MySQL, Oracle SS	Database Connectivity with PYTHON: Performing Database Transactions ( Inserting, Deleting, and Updating the Database) SS	Database Connectivity with PYTHON: Performing Database Transactions ( Inserting, Deleting, and Updating the Database) SS		
<b>21.06.2019 Friday</b>	Advanced Features of Python SS		Comprehension and Generators SS	Modules, Packages, Standard Python Modules SS	Modules, Packages, Standard Python Modules SS	Modules, Packages, Standard Python Modules SS	Modules, Packages, Standard Python Modules SS		
<b>22.06.2019 Saturday</b>	Introduction to Machine Learning; Supervised Vs Unsupervised Learning ; Examples RBS		Overview of Classification & Clustering RBS	Link Prediction RBS	Link Prediction RBS	SVM and PCA RBS	SVM and PCA RBS		
<b>23.06.2019 Sunday</b>	Data Science Life Cycle DVS		Overview of Machine Learning packages in Python NB	Python APIs for Machine learning Implementation NB	Python APIs for Machine learning Implementation NB	Python APIs for Machine learning Implementation NB	Python APIs for Machine learning Implementation NB		
<b>24.06.2019 Monday</b>	Re-sampling Methods DVS		Hands-on using scipy NB	Hands-on using matplotlib NB	Hands-on using matplotlib NB	Case Studies using Python NB	Closing Function		

**SS: Sri Saya Srineevasulu, Industry Expert, Bangalore**  
**RBS: Prof R B V Subramanyam, Head of CSE, NIT, Warangal**  
**DVS: Prof DVLN Somayajulu, Chair, E&ICT Academy, NIT, Warangal**

**NB: Dr S Nagesh Bhatt, NIT AP, Tadepalligudem**  
**VRS: Prof. V Ravindranath, JNTU Kakinda**