



Career Analytics

A WORKSHOP ON

S DATA SCIENCE

IMPLEMENTATION



python

24TH & 25TH OCTOBER, 2017

DEPARTMENT OF COMPUTER SCIENCE

BABA INSTITUTE OF TECHNOLOGY & SCIENCES

P. M PALEM, VISAKHAPATNAM



Baba Institute of technology & Sciences(BITS) is located in a sprawling campus area of 15 acres of land, in P.M. Palem, Madhurwada, about 3km. away from NH-5. It is uniquely and ideally situated at the foot of a long and thickly greenish, imposing hillock on western and southern sides overseeing the building complex. The cool breeze perennially blowing from the picturesque mountains marvelously motivates and inspire the young minds to learn to acquire the knowledge and skills to get a place of distinction and recognition for themselves in the technological, scientific and management fields. The college is bestowed with picturesque nature beauty combining with calm and serene environment and a mini reservoir in the vicinity makes the campus a Shanti Niketan in the city of destiny.



THE DEPARTMENT – COMPUTER SCIENCE AND ENGINEERING



The Department of Computer Science and Engineering started the academic year 2008-2009. The Department has excellent Infrastructure facilities and Laboratories.

The department attracts students from different disciplines to work with it for a true global exposure in accordance to computer science and information technology. One of the strengths of the department is its strong entrepreneurial culture where many students have successfully involved themselves in creating their entrepreneurial ventures.

The Department aims at imparting quality education in Computer Science & Engineering through various programs too and has been successful till date.



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CAREER ANALYTICS

ABOUT THE WORKSHOP



Python is a programming language that lets you work more quickly and integrate your systems more effectively.

PREFACE

Data Science is an inter-disciplinary field about processes and systems to extract knowledge or insights from data in various forms, either structured or unstructured which is a continuation of some of the data analysis fields such as statistics, machine learning, data mining and predictive analytics.

The **Primary Objective** of this workshop is to familiarize the participants towards the implementation side of data science using **PYTHON PROGRAMMING**

Python is one of those rare languages which can claim to be both simple and powerful. One will be definitely surprised to see how easy it is to concentrate on the solution to the problem rather than the syntax and structure of the language you are programming in.





THE COURSE – THE TRACK



SESSION -1 (30 Minutes)

Python Course Introduction

- Demo Programs
- Python Installation
- Executing a Python Program

SESSION-2 (60 Minutes)

- Numbers, Coding, Data Types
- Conditionals

SESSION-3 (30 Minutes)

- Loops & User Input

SESSION-4 (60 Minutes)

- File Handling
- Coding Exercise

SESSION -1 (30 Minutes)

Introduction to Data , Datasets & Datasets
splitting & Data Preprocessing

SESSION-2 (60 Minutes)

Modules, Libraries and Packages

SESSION-3 (30 Minutes)

- Introduction to Machine Learning & Practical
Business Scenarios

SESSION-4 (60 Minutes)

- Libraries used in Python
- Machine Learning Implementation
 - Regression

“QUERIES”



RESOURCE PERSON – MR. RAJU RAYASAM & TEAM



Raju Rayasam holds a B.S. in Mechanical Engineering and Post Graduate in Business Administration from XLRI - Jamshedpur. He is in the alumni of top business schools like IIM-Bangalore , ISB -Hyderabad, XLRI Jamshedpur and London School Of Business. Raju Rayasam has got more than 20 years of varied experience in executing global programs in North America, EMEA region and Europe. He was responsible for heading multi million dollar business units with P & L responsibility . He was instrumental in setting up an IT startup and take it up to 25 million dollar company . He has been an active investor in few ventures and facilitated funding activities in technology space (IT and Manufacturing) .

Raju Rayasam is a certified project management professional from PMI-USA and six sigma master black belt. He has taken up various roles in the industry right from software programmer to top executive for various global corporations.

Currently he is working as on board director and Chief Strategy Officer for Career Analytics(Brand Owned by Pro Professionals- MNC founded in USA) . This company specializes in project implementation, learning and professional development of in technology areas like Big Data , Internet Of Things(IOT) ,Cloud Computing and Advanced learning in the field of electronics.

His interests are coaching and mentoring budding entrepreneurs knowledge sharing in business intelligence analytics and extending voluntary contributions towards societal development in the aspects of ecology, sustainable rural development . He is an avid reader, Traveler and a hobby photographer.....he enjoys capturing abstract themes emerging out of common objects life using his array of lenses.



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