A.G & S.G Siddhartha Degree College for Arts & Science

(Autonomous), Vuyyuru-521165

2020-2021

Name of the event: Faculty Development Program (FDP)
Topic: Recent Trends in Computer Science & Information Technology
Date Conducted: 23rd& 24thJanuary, 2021
Name and designation of the resource person: Mr.Kanna Babu Banna, Corporate Trainer & Technical Consultant, Satya Technologies, Hyderabad.

Report on the guest lecture:

1. **Objectives:**

   Modern technologies develop symbiotically and inevitably affect one another. For instance, mobile internet depends on cloud computing and facilitates IoT development. Therefore, a breakthrough in one area stimulates innovations in the other.Here is a list of the top information technology trends that will shape the digital world in the coming year.

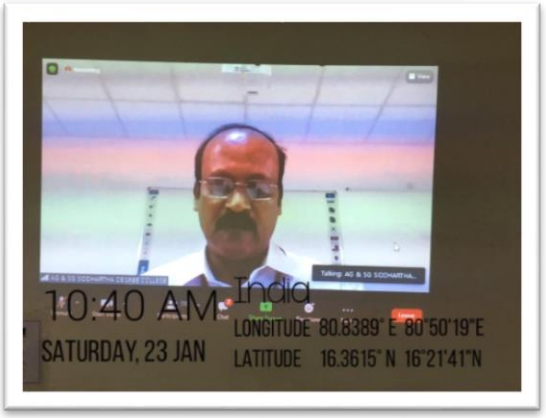
2. **Notes on lecture:**

   There's never been a brighter outlook for young computer science students than today. As these recent stats show, computer science graduates have some of the highest starting salaries out there and are in such high demand that they can afford to be picky about the type of job and industry they opt for.

   - Artificial intelligence and robotics
   - Big data analytics
   - Computer-assisted education
   - Bioinformatics
   - Cyber security

3. **Outcome:**

   An ability to apply the theoretical concepts and practical knowledge of Information Technology in analysis, design, development and management of information processing system and applications in the interdisciplinary domain.
   An ability to analyze a problem and identify and define the computing infrastructure and operations requirements appropriate to its solution.
   An understanding of professional, business and business processes, ethical, legal, security and social issues and responsibilities.
   Practice communication and decision making skills through the use of appropriate technology and be ready for professional responsibilities.



Signature of the HOD

(T. Naga Prasada Rao)

A.G & S.G Siddhartha Degree College for Arts & Science (Autonomous), Vuyyuru-521165

- **2020-2021**

Name of the event: Webinar 2020-21

Topic: Machine Learning With Python

Date Conducted: 6th February, 2021

Name and designation of the resource person: A.LakshmanaRao, Assistant professor, IT Department, Aditya Engineering College,Kakinada

Report on the guest lecture:

1. **Objectives:**

   The primary purpose of machine learning is to discover patterns in the user data and then make predictions based on these and intricate patterns for answering business questions and solving business problems.

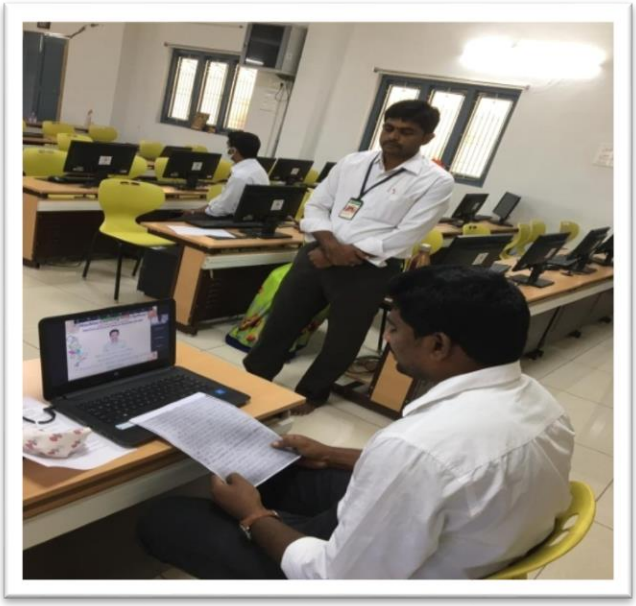
2. **Notes on lecture**:

   These notes focus on the python-specific coding concepts, how to solve certain data science–related tasks in python, and on basic functionality of the more popular libraries. More detailed functionality is not covered. This is a deliberate choice–many questions are easier to answer with just a quick web search than by reading textbooks like this. This applies very much to the usage of library function–most of those have a large number of arguments that are easy enough to look up in the corresponding documentation.

3. **Outcome:**

   Machine Learning is making the computer learn from studying data and statistics.

   - Machine Learning is a step into the direction of artificial intelligence (AI).
   - Machine Learning is a program that analyses data and learns to predict the outcome.



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(T. Naga Prasada Rao)