

Report on
International Webinar on
“Cyber Security Applications Using Python“
Organized by
Department of Computer Science & Engineering in association with ISTE Student Chapter
On 26.10.2022



The image shows a composite of two parts. On the left is a registration page for the webinar. On the right is a screenshot of a Zoom meeting in progress.

Registration Page Details:

- Organizing:** DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
- Organizing:** ISTE
- Organizing:** IEEE
- Organizing:** ISTE
- Date:** 26th October 2022, 10:30 AM to 12:30 PM (IST)
- Chief Patron:** Dr. N. Vijaya Bhaskar Choudary, Secretary & Correspondent
- Convener:** Dr. P. V. Venkateswara Rao, Associate Professor, ISTE Coordinator, Dept. of CSE
- Parson:** Mrs. Keerthi Nadella, Executive Director
- Program Chair:** Dr. C. Yuvaraj, ISTE Coordinator, Dept. of CSE
- Co-Chair:** Dr. R. Kalpana, Professor & HoD, CSE
- Resource Person:** Prof. Asadi Srinivasulu, Professor of IT & Head Research Data Science Research Lab, Blue Crest University College, Monrovia - Liberia
- Registration Link:** <https://forms.gle/ha9TY1L0atYZp9E6>

Zoom Meeting Screenshot Details:

- Meeting Title:** Cyber Security Applications Using Python
- Participants:** Dr. Venkateswara Rao P V, Dr. S. GOPI KRISHNA, Anand CSE, Manuika T, Chandranya Guest, Varad Venkath, Ansh C, SHREYAS, Anitha K, Aditya Bhatn S.
- Presentations:**
 - 1 Bit: 0 or 1
 - 8 Bits: 1 Nibble
 - 8 Bits: 1 Byte
 - 4 Bytes: 1 Word
 - 4 Words: 128 Bytes
 - 1024 Bytes: 1 KB
 - 1024 KB: 1 MB
 - 1024 MB: 1 GB
 - 1024 GB: 1 TB
 - 1024 TB: 1 PB
 - 1024 PB: 1 EB
 - 1024 EB: 1 ZB
 - 1024 ZB: 1 YB
 - 1024 YB: 1 BB
 - 1024 BB: 1 Giga Byte
 - 1024 BB: Infinity
- Quantitative Data Chart:** A circular chart showing data ranges from 10³ to 10²⁴.
- Normal Range vs Big Data Range:**
 - Normal Range: Kilo Byte (KB) 10³, Mega Byte (MB) 10⁶, Giga Byte (GB) 10⁹, Tera Byte (TB) 10¹²
 - Big Data Range: Peta Byte (PB) 10¹⁵, Exa Byte (EB) 10¹⁸, Zeta Byte (ZB) 10²¹, Yotta Byte (YB) 10²⁴
- Fig: Measuring the Data in Cyber Security**

Submitted by: Dr P.V. Venkateswara Rao, Associate Professor., Department of CSE

REPORT RECEIVED ON 01.11.2022

The Programme started at 10:30 AM with a welcome address to all the audience by the Dr. R.Kalpana, HoD,CSE, MITS, Madanapalle. The resource person Dr. Asadi. Sreenivasulu, Professor of IT & Head Research Data Science Research Lab, Blue Crest University College, Monrovia – Liberia, was introduced by Dr. G.N.Vivekananda, Assoc. Professor Department. of CSE.

The resource person started the session by extending his hearty thanks to the participants, organizing members, HoD, Principal and Management of MITS Madanapalle for giving him opportunity to share his knowledge and experience in - Cyber Security Applications Using Python.

The following topics were discussed in the session

- Introduction to Cyber Security
- Types of computer Networks
- Information Security
- Network Security threats
- Cryptography theory & practical module
- Network vulnerability Assessment
- Network penetration testing
- Wireless Security
- Digital forensics
- Python for Wi-Fi Cracking
- Python for Password breaking

The session was concluded at 1.00 PM followed by a vote of thanks, given by Convener of the Webinar Dr. P V Venkateswara Rao, Associate Professor, Department of CSE (ISTE Coordinator) MITS, Madanapalle.