

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

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE
(UGC-AUTONOMOUS INSTITUTION)
Madanapalle - 517325, Annamayya Dist., Andhra Pradesh

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Organizing
**International Webinar on
“Cyber Security Applications Using Python”**

**26th October 2022
10:30 AM to 12:30 PM(IST)**

Chief Patron
Dr. N. Vijaya Bhaskar Choudary
Secretary & Correspondent

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Mrs. Keerthi Nadella
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Dr. C. Yuvaraj
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Co-Chair
Dr. R. Kalpana
Professor & HoD, CSE

Convener
Dr. P. V. Venkateswara Rao
Associate Professor
ISTE Coordinator
Dept. of CSE

Co-ordinator
Dr. R. Sundar
Assistant Professor
ISTE Coordinator
Dept. of CSE

Participants:
Students / Faculty
Scholars / Enthusiasts

Registration Link
<https://forms.gle/haVTTUeatVZFsgpE6>

Resource Person

Prof. Asadi Srinivasulu
Professor of IT & Head Research
Data Science Research Lab
Blue Crest University College
Monrovia - Liberia

*No Registration Fee
*E-Certificate will be provided to participants

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

Attendance: 359 participants (internal & external)

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, organising 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.

The screenshot shows a Zoom meeting interface with a presentation slide. The slide content is as follows:

BITS	MEASURE
1 Bit	0 or 1
4 Bits	1 Nibble
8 Bits	1 Byte
4 Bytes	1 Word
4 Words	1024 Bytes
1024 Bytes	1 KB
1024 KB	1 MB
1024 MB	1 GB
1024 GB	1 TB
1024 TB	1 PB
1024 PB	1 HB
1024 HB	1 OB
1024 OB	1 ZB
1024 ZB	1 YB
1024 YB	1 BB
1024 BB	1 Geo Byte
1024 Geo Bytes	Infinity

NORMAL RANGE		BIG DATA RANGE	
Kilo Byte (KB)	10^3	Peta Byte (PB)	10^{15}
Mega Byte (MB)	10^6	Exa Byte (EB)	10^{18}
Giga Byte (GB)	10^9	Zetta Byte (ZB)	10^{21}
Tera Byte (TB)	10^{12}	Yottabyte (YB)	10^{24}

Brontobyte(BB)	10^{27}
Geobyte (GeB)	10^{30}

Fig: Measuring the Data in Cyber Security