



Three Days Offline Hands on Training/Workshop

on

Cyber Security: Art of Ethical Hacking



Highlights



Free Registration – Limited seats
Last Date of Registration: 24 March, 2022

Eligibility: B.Tech. . Tech (4th Year CS/IT, EC)
Mode: Offline
Number of Seats: 30

Registration Link:

<https://cas.res.in/workshopreg.html>



Coordinator

Dr. Arun Kumar

Assistant Professor

&

Mr. Gaurav Rai

Research Engineer

Centre for Advanced Studies

Contents

- ✓ Introduction of Cyber Security
- ✓ Threats and their types
- ✓ Basics of Compilers and Operating System Security
- ✓ Traditional Malware Detection Systems.
- ✓ Types of Malware Signatures used.
- ✓ Threat Intelligence
- ✓ Threat Hunting
- ✓ PE Structure and other file types
- ✓ Various Malware analysis procedures
- ✓ Static Malware Analysis
- ✓ 2nd Generation Malware
- ✓ Dynamic Malware Analysis
- ✓ Process Injection
- ✓ Anti-VM techniques
- ✓ Malware detection Via Machine Learning
- ✓ Malware Classification via Machine learning
- ✓ Research in the Area

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CENTRE FOR ADVANCED STUDIES

DR. A.P.J. ABDUL KALAM TECHNICAL UNIVERSITY



ThreeDays Offline Hands on Training/Workshop

on

Cyber Security: Art of Ethical Hacking

Dates: 28 March - 30 March, 2022

SCHEDULE

DAY	DATE/ TIME/ VENUE	AGENDA
DAY 1	28 th March 2022 10 AM – 5 PM Centre for Advanced Studies,	<ul style="list-style-type: none">• Introduction of malware• Traditional Malware Detection Systems• Types of Malware Signatures used• Threat Intelligence• Static Malware Analysis
DAY 2	29 th March 2022 10 AM – 4 PM Centre for Advanced Studies,	<ul style="list-style-type: none">• 2nd Generation Malware• Dynamic Malware Analysis• Malware detection Via Machine Learning
DAY 3	30 th March 2022 10 AM – 4 PM Centre for Advanced Studies,	<ul style="list-style-type: none">• Research in the Area• EDR Systems• Threat Hunting• Challenges in Malware Detection



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