



Don Bosco Institute of Technology, Mumbai - 400070



Report on Webinar Series

Gain Momentum – Unlock Your Potential

Mobile Forensics : Opportunities and Challenges

Title : Mobile Forensics : Opportunities and Challenges

Date : 20th June 2020

Time : 12:00 pm to 1:30 pm

Venue : Webinar-Live on You Tube Channel of DBIt Comp and zoom

Join us on our Zoom link. The details of the link are given

<https://us02web.zoom.us/j/81130337649?pwd=b1JyRUtXenRtR1YzOVovSy9zM2lZUT09>

Meeting ID:811 3033 7649

Password: 198943

One tap mobile

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Join Us on YouTube Live by clicking on the link: <https://youtu.be/hzge0sEGHIE>

Faculty Coordinators:

Sejal Chopra:+91 9892524834

Kalpita Wagaskar:+91 9004479765

Participants : whatsapp group-100, zoom-20, Registered- 128, youtube-57 live, Total attended -125

Total Views on youtube till date(4.07.2020) 286

Resource Person : Dr. Rizwan Ahmed

Organizing Department / Committee / Authority : ACM Student Chapter & Computer Department of Engineering, DBIT

Objective :

- To introduce the field of Mobile Forensics to the audience
- To put forth the different challenges involved in the field of Mobile Forensics
- To acquaint knowledge of available opportunities in the field of Mobile Forensics

Outcomes :

- The audience will become familiar with the area of Mobile Forensics
- The audience will understand the different challenges present in the field
- The student community in the audience will get a cognizance of the available opportunities in the field of Mobile Forensics

Excerpt : Mobile Forensics – Opportunities and Challenges

Report :

The Webinar on Mobile Forensics Opportunities and Challenges was organised by the faculty coordinators Mrs.Sejal Chopra and Mrs.Kalpita Wagaskar of the Computer Department on 20th June 2020. Cynthia Mascarenhas, the Advisor to the Chair of the ACM student chapter hosted the event . Dr. Phiroj Shaikh honored the guest speaker Dr. Rizwan Ahmed with his words of salutation and commenced the webinar. Dr. Ahmed with the help of this seminar tried to spread light on how mobile forensics is helpful in identifying criminals and how mobile forensics works overall .

The purpose of this webinar was to make people aware about Mobile Forensics practices and how evidence can be generated with the help of a mobile phone incase of a crime.The speaker made aware on how deleting data or uninstalling an application doesn't erase all its data from the phone and how contacts, texts, multimedia and apps can be a way to generate information for crime or after crime investigation purpose.

Dr. Rizwan Ahmed also highlighted digital forensics on examples namely laptops, computers, CDs, printers, cameras etc, along with some detective measures for cyber crime like battery usage, data usage or unvisited pages on our device browser. The concepts of spyware and malware were used for explanation and some defence strategies were also discussed for instance, installation of trusted apps and latest antivirus application,reviewing of data storage and maintaining physical security of the app etc. The Forensic Examination tools and techniques were also stated in this webinar. In the later part of the webinar, Q and A session related to the topic was held for students to solve their doubts.

The Webinar of Mobile Forensics Opportunities and Challenges then concluded with a Vote of Thanks by the Dean Administration Mr. Imran Ali Mirza, thanking Dr. Rizwan Ahmed for providing valuable insights related to digital and mobile forensics to the students and sharing his experience in the field.

The Webinar was remarked as interesting and informative by the students of Don Dosco Institute. It was also said to divulge the path to students who wanted to pursue their career in Digital or Mobile Forensics.

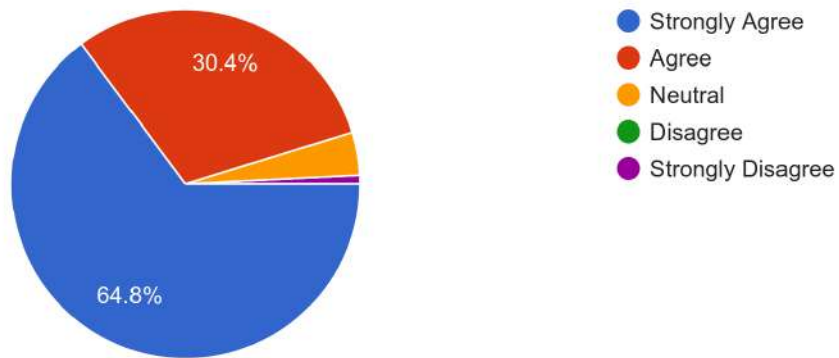
Profile of the Speaker

Dr. Rizwan has been awarded : As “Most Innovative 100 CIOs/CTOs of India 2018” from all CIOs/CTOs from throughout India; Received “CTO of the Year 2019” award at IT Leadership Awards 2019; “Smart Innovator Award 2019” by Dynamic CIO at Enterprise Innovation Summit 2019; “ CIO of The Year 2019 ” by Enterprise IT World Magazine at CIO500 Summit and Awards 2019.

Feedback analysis of the event

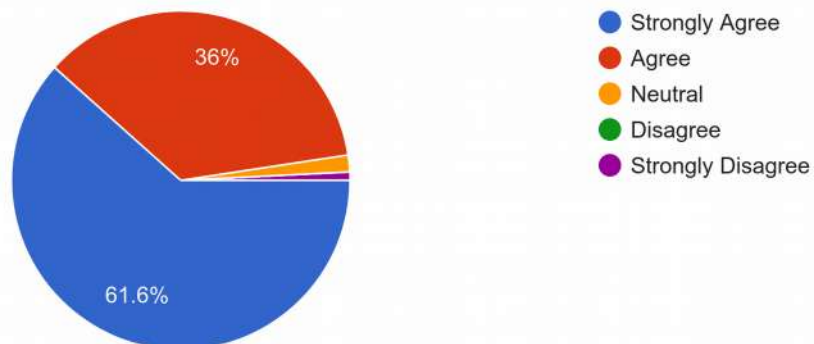
The speaker introduced the field of Mobile Forensics very interestingly

125 responses



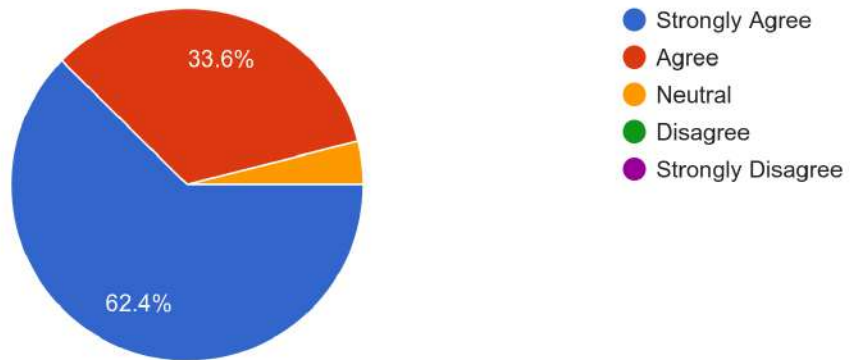
The speaker put forth the various challenges involved in the field of Mobile Forensics

125 responses



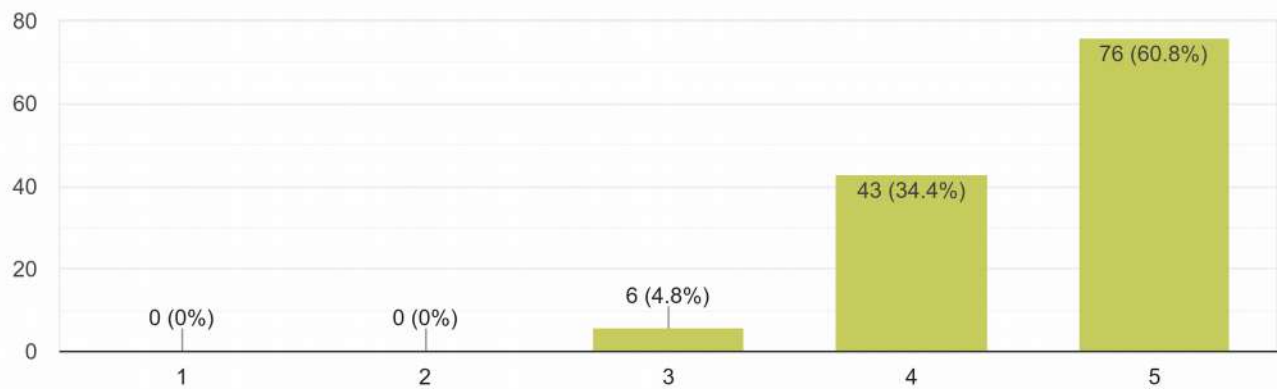
The speaker gave knowledge of various opportunities in the field of Mobile Forensics

125 responses



To what extent are you satisfied with the delivery of the Webinar ?

125 responses



Pictures:

Gain Momentum:
Unlock Your Potential
Webinar Series

**Mobile Forensics:
Opportunities and Challenges**

Dr. Rizwan Ahmed
CTO, delaPlex & Independent Digital and Mobile Forensics Investigator

zoom

Live chat
Top chat 36

DBIT COMP 11:49 AM
Hello everyone! You can post questions you would like to ask the speaker. Hope you have a great learning experience. Thankyou!

ravi gedam 11:54 AM
good morning everyone

Welcome to live chat! Remember to guard your privacy and abide by our Community Guidelines.
[LEARN MORE](#)

Janhavi Baik 12:00 PM
hello everyone, good morning

Chat publicly as Tina Sayapogu...

A WEBINAR ON
MOBILE FORENSICS
OPPORTUNITIES AND CHALLENGES

Dr. Phiroj Shaikh
Associate Professor

zoom

Why Digital Forensics is important

- **crime** scenes increasingly involve digital devices
 - traditionally deal with physical evidences: weapon, blood, fingerprints
 - cybercrimes: Fraud, child pornography,
- not just crimes; internal **investigations** as well

12 @ Rizwan Ahmed

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What's on Mobile Device & where?



➤ Data can be stored in 3 primary locations

- SIM
- Handset
- Memory card

▶ 26

@ Rizwan Ahmed zoom

Mobile Phone Evidence



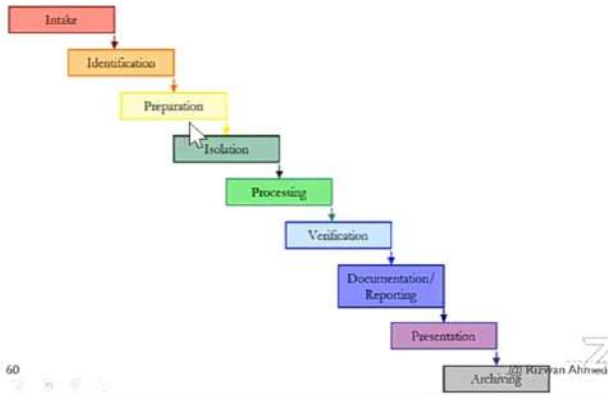
- Billing History- network time stamped call history
 - + Reliable and Accurate
 - - Takes long time to get from providers
- Cell Site Analysis- real time tracking
 - + Known suspects tracking
 - - Only most serious offences, takes time to initiate
- Mobile Phone- evidence of preliminary activity, drafts
 - + Immediate recovery, draft activity on handset
 - - Time & Dates can be altered and inaccurate



▶ 25

@ Rizwan Ahmed zoom

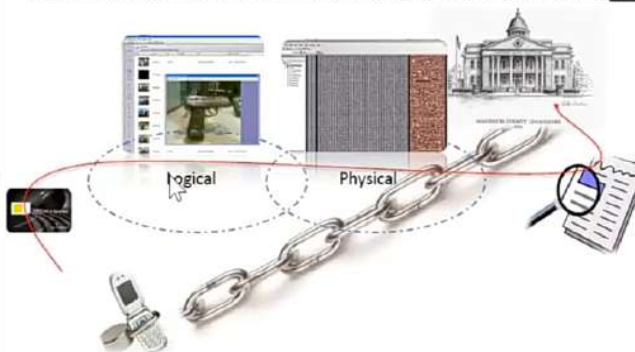
Evidence Extraction and Documentation Process Framework



60

zoom
@ Rizwan Ahmed

Your Goals



58

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A WEBINAR ON
MOBILE FORENSICS
OPPORTUNITIES AND CHALLENGES

Dr Rizwan Ah...

Q n A

zoom

Your Goals

Dr Rizwan Ah...

Logical Physical

zoom

@ Rizwan Ahmed

A WEBINAR ON
MOBILE FORENSICS
OPPORTUNITIES AND CHALLENGES

Vote Of Thanks

Proposed by
Mr. Imran Ali Mirza
Dean Administration

zoom

Name	Name of the Institute	Branch	Class
ARJUN CHAVAN	Don Bosco Institute of Technology	Computer Engineering	TE
Sejal Mahavir Chopra	Don Bosco Institute of Technology	Computer Engineering	Faculty
Vishudha Patil	Anjuman CLG of engg	Computer Engineering	BE
RAVI HEMRAJ GEDAM	G H RAISONI UNIVERSITY, MP	Computer Engineering	Faculty
Denzita Dsouza	Don Bosco Institute of Technology	Computer Engineering	SE
Sonia Rodrigues	Don Bosco Institute of Technology	Computer Engineering	TE
Iyer Hariharan	Don Bosco Institute of Technology	Computer Engineering	SE
Akanksha Pramod Kotecha	Datta meghe institute of engineering technology and research centre wardha	IT	BE
Prof. Diksha D. Bhawe	Shivajirao S. Jondhale college of engineering	Computer Engineering	Faculty
Dervin Davis	Don Bosco Institute of Technology	Computer Engineering	SE
Tushar Tripathi	Don Bosco Institute of Technology	Computer Engineering	SE
Amreen Khan	Bajaj Institute of Technology, Wardha	Computer Engineering	Faculty
Ditty Varghese	Don Bosco Institute of Technology	Computer Engineering	Faculty
Rutuja Dilip Bhate	Don Bosco Institute of Technology	Computer Engineering	SE
Gaurav Thawal	Don Bosco Institute of Technology	Computer Engineering	TE
Neha Nitnaware	Anjuman College of Engineering and Technology	Computer Engineering	BE
Chryselle Andrew Fernandes	Don Bosco Institute of Technology	Computer Engineering	SE
MERAJUL HAQUE FAROOQUI	JD College of Engineering and Management	IT	Faculty
Mohammad Anwarul Siddique	Anjuman college of engineering and technology	Computer Engineering	Faculty
Nita Champatrao Potdukhe	Datta meghe institute of engineering technology and research	IT	BE
Ritesh Shrivastav	Anjuman college of engineering and technology Nagpur	Computer Science and Engineering	Faculty
Ahlam Shakeel Ahmed Ansari	M H Saboo Siddik College of Engineering	Computer Engineering	Faculty
Nikita D'Souza	Don Bosco Institute of Technology	Computer Engineering	TE
Sufyan Salim Akbani	Anjuman College of Engineering & Technology	Computer Engineering	BE
Abhishek Nachankar	KDK College of Engineering, Nagpur	Computer Technology	Faculty
Surbhi khare	Priyadarshini Institute of engineering and technology Nagpur	IT	Faculty
KAMLESH KELWADE	Anjuman College of Engineering and Technology	Computer Engineering	Faculty
DR. CHANDRASHEKHAR VASANT JOSHI	Don Bosco Institute of Technology	MMS	Faculty
Iqura zarreen wakeel Ahmad	Anjuman college of engineering and technology Nagpur	Computer Engineering	BE
Mrs Dipali Kiran Bhole	Shree L R Tiwari College of engineering	Computer Engineering	Faculty
Smit Ramteke	Anjuman College Of Engineering And Technology	Computer Science And Engineering	BE
Anuj panchal	Don Bosco Institute of Technology	Computer Engineering	TE
Snehal parmeshwar shelke	Shreeyash college of engineering	Computer Engineering	SE
Amiya Kumar Tripathy	Don Bosco Institute of Technology	Computer Engineering	Faculty
Mangan Alvina Joy	Don Bosco Institute of Technology	Computer Engineering	TE
Sadaf Aafreen Ansari	Anjuman College of engineering and Technology	Computer Engineering	BE
Afsha Saiyed	ACET Nagpur	CSE	Guest
Hayden Cordeiro	Don Bosco Institute of Technology	Computer Engineering	SE
Vaibhav Satyawalan Yelmule	Don Bosco Institute of Technology	Computer Engineering	Guest
Arti K. Gore	Saraswati College of Engg., Kharghar	Computer Engineering	Faculty
Sameer Joshi	Don Bosco Institute of Technology	Computer Engineering	TE
Rucha Sanjay Bhosle	Don Bosco Institute of Technology	Computer Engineering	BE
Ms. Gayatri Naik	SSJCET Asangaon	Computer Engineering	Faculty
Aditi Subhash	Don Bosco Institute of Technology	Computer Engineering	SE
Shafaque Fatma Syed	Don Bosco Institute of Technology	Computer Engineering	Faculty
Snehal parmeshwar shelke	Shreeyash college of engineering	Computer Engineering	SE
Riya Mekkattukulam	Don Bosco Institute of Technology	Computer Engineering	TE
Rebecca Prasad	Don Bosco Institute of Technology	Computer Engineering	TE
MS. Sneha Joshi	Pillai hoc college of engineering and technology, Rasayani	Computer Engineering	Faculty
Nevil Dsouza	Don Bosco Institute of Technology	Computer Engineering	TE
Jivin Varghese Porthukaran	Don Bosco Institute of Technology	Computer Engineering	SE
Dhanshree Dnyaneshwarrao Kalaskar	DMIETR Sawangi (M), Wardha	IT	BE
Snehal Lohi Bode	SRKU, Bhopal	CSE	Guest
Bhubesh.M	SRM Valliammai Engineering College	Computer Engineering	Guest
Adeeba Naaz	Anjuman college of engineering and technology	Computer Engineering	BE
Yogesh C Pathak	Tata Classesedge	Computer Engineering	Faculty
Huda Farhat	Anjuman college of engineering and technology	Computer Engineering	BE
Dhanshree Kalaskar	DMIETR Sawangi (M), Wardha	IT	BE
Afreen Kausar	Anjuman college of engineering and Technology	Computer science and engineering	BE
Parul Bhanarkar	JIT, Nagpur	Computer Engineering	Faculty
Mr. Vaibhav Satyawalan Yelmule	Maharashtra Shikshan Prasarak Mandals,Sommaya Diploma In Engineering, Wadgaon Dist Chandrapur	Computer Engineering	SE
Nazish kausar	Anjuman college of engineering and technology	Computer Engineering	BE
Savita Vijay Lade	Rajiv Gandhi Institute of Technology	Computer Engineering	Faculty
Vaishnavi Lonkar	DMIETR	IT	BE
Sumit Vishwakarma	Don Bosco Institute of Technology	Computer Engineering	SE
Priyanka Arjun khandagale	Shreeyash college of engineering and technology	Computer Engineering	SE
Anish Nair	Don Bosco Institute of Technology	Computer Engineering	TE
surekha dashrath naik	SSJCET	Computer Engineering	Faculty
Krishna Desai	Don Bosco Institute of Technology	Computer Engineering	TE
Saima Zareen Ansari	Manoharbai Patel Institute of Engineering and Technology	Computer Engineering	Faculty
Savita Vijay Lade	Rajiv Gandhi Institute of Technology	Computer Engineering	Faculty
Dr. Mrs. Gresha S Bhatia	VESIT	Computer Engineering	Faculty
Dr. Manoj K Sabnis	VESIT	IT	Faculty
Xytus Vazacholil	Don Bosco Institute of Technology	Computer Engineering	SE
Deepali Kayande	Don Bosco Institute of Technology	Computer Engineering	Faculty
Manteshwari Pipare	Anjuman College of engineering and technology Nagpur	Computer Engineering	BE
Dr. Shaikh Phiroj	Don Bosco Institute of Technology	Computer Engineering	Faculty
Rutuja Randive	Don Bosco Institute of Technology	Computer Engineering	TE
Sana Shaikh	Don Bosco Institute of Technology	Computer Engineering	Faculty
Janhavi Baikerkar	Don Bosco Institute of Technology	IT	Faculty
Laghane Aarti Dattatray	Deogiri Institute of Technology and Management Studies	BCS	SE
Suman semalty	Don Bosco Institute of Technology	Computer Engineering	SE
Lensen Dsouza	Don Bosco Institute of Technology	IT	BE
Dipti Jadhav	Don Bosco Institute of Technology	Computer Engineering	Faculty
Dimpal anil kapgate	Miet	Computer Engineering	BE
Siddhant Raje	Don Bosco Institute of Technology	Computer Engineering	TE
Tejaswini Kshirsagar	Don Bosco Institute of Technology	Computer Engineering	TE
Falguni Trilok Gour	Anjuman college of engineering and technology	Computer Engineering	BE
Sangeeta Kaswan	Don Bosco Institute of Technology	Computer Engineering	TE
Om Rajurkar	Don Bosco Institute of Technology	Computer Engineering	SE
Tejas Redkar	Don Bosco Institute of Technology	Computer Engineering	TE
Mayura Harshal Gavhane	Don Bosco Institute of Technology	Computer Engineering	Faculty
Slade Ferrao	Don Bosco Institute of Technology	Computer Engineering	SE
Briana Rajan	Don Bosco Institute of Technology	Computer Engineering	SE
Shivang R Patel	Gujarat Technological University, Ahmedabad	Computer Engineering	Guest
Priya Kaul	Don Bosco Institute of Technology	Computer Engineering	Faculty
Manish K Assudani	ACET	Computer Engineering	Faculty
Kaushik Shettigar	Don Bosco Institute of Technology	Mechanical Engineering	TE
Akshay Kumbhar	Don Bosco Institute of Technology	Computer Engineering	TE
Snehal Jotiba Chougule	Don Bosco Institute of Technology	Computer Engineering	TE
Mirza Ali Imran	Don Bosco Institute of Technology	Computer Engineering	Faculty

Attendance-Mobile Forensics

Wilson Francis Sorna	Don Bosco Institute of Technology	EXTC	BE
Shainila M	Don Bosco Institute of Technology	Computer Engineering	Faculty
Piyush Dilip Sonar	Don Bosco Institute of Technology	Computer Engineering	SE
Sara Hemant Mankar	Shreeyash pratishthan college of engineering	Computer Engineering	SE
Suman semalty	Don Bosco Institute of Technology	Computer Engineering	SE
Deepankar Gupta	Don Bosco Institute of Technology	Computer Engineering	TE
DON BOSCO INSTITUTE OF TECHNOLOGY	Don Bosco Institute of Technology	MMS	Faculty
Grejo Joby	Don Bosco Institute of Technology	Computer Engineering	SE
Falguni Pal	Anjuman College of Engineering and Technology	Computer Engineering	BE
Kalpita Ajinkya Wagaskar	Don Bosco Institute of Technology	Computer Engineering	Faculty
Pradnya Tendolkar	Don Bosco Institute of Technology	Computer Engineering	TE
SONALI MANOHAR ANKAM	WIT,SOLAPUR	EXTC	BE
Mr.Dhirajkumar Gupta	S. B. Jain Institute of Technology, Management & Research, Nagpur	IT	Faculty
Saloni Dhotre	Don Bosco Institute of Technology	Computer Engineering	SE

Report prepared by: Ms. Kalpita Wagaskar

Report approved by: Ms. Sana Shaikh