



**SAMAGRA SHIKSHA-DELHI**  
(A Society Under Education Department, Govt. of NCT of Delhi)  
Lucknow Road, Timar Pur, Delhi – 110054  
Ph.23810508, 23811442 Email:-spd\_delhi@rediffmail.com

No: DE.29(19)(23)/SS/Misc./2023/ 1409-1413

Date:01.09.2023

Circular

**Sub: Online Training on “Internet of Things (IoT) Security and Mobile Security” from 4<sup>th</sup>-8<sup>th</sup> September, 2023, 4:00P.M – 5:00P.M – reg.**

CIET-NCERT is organizing a five hour online training series on Cyber safety and Security from 4<sup>th</sup>-8<sup>th</sup> September, 2023, 4:00P.M – 5:00P.M to orient the stakeholders to orient about Cyber Safety. **(Copy attached)**

As a part of series for the month of September, CIETNCERT in collaboration with Indian Cyber Crime Coordination Centre (I4C) is organizing five hours of online training on “Internet of Things (IoT) and Mobile security ” from 4<sup>th</sup>-8<sup>th</sup> September 2023, 4.00 p.m.- 5.00 p.m.to leverage the understanding of teachers, students, teacher educators, administrators, and other stakeholders of school education on the need, importance of understanding and securing IoT devices and mobile in educational ecosystem.

The online training will be live telecasted on NCERT official YouTube channel - <https://www.youtube.com/c/NCERTOFFICIAL> and also be simulcast through PM eVidya. The participants who appear in the post training quiz, score 70% and above will be issued a certificate of participation. Register yourself by clicking the link <https://forms.gle/zd6P3z4yF1ikRbxw8> or scan the QR code given in the attachment.

Therefore, the DDEs/DPOs of all districts are requested to share this information of the programme organized by CIET-NCERT with all the faculties, teachers, teacher educators, students and other stakeholders. The banner and the information brochure of this online training programme is attached herewith and may also be disseminated through websites/ social media posts/ instant messenger groups etc. All the details regarding this training are available in the event page.

*Mohinder Pal*

**(Mohinder Pal)**  
Deputy Director of Education  
Samagra Shiksha –Delhi

Encl: As above

No: DE.29(1)

Date:

**Copy for information to:**

1. P.A to State Project Director, Samagra Shiksha-Delhi
2. All Deputy Director of Education/DPOs of all Districts
3. All DURCCs to share information
4. OS (IT) for upload the circular on website.
5. Guard File

*Mohinder Pal*

**(Mohinder Pal)**  
Deputy Director of Education  
Samagra Shiksha –Delhi

**CENTRAL INSTITUTE OF EDUCATIONAL TECHNOLOGY**  
**(A constituent unit of National Council of Educational Research and Training)**  
**Sri Aurobindo Marg, New Delhi – 110 016 (India)**  
**Tel.: 91-11-26962580, Telefax: 91-11-26864141**  
**Email: [jdciet.ncert@nic.in](mailto:jdciet.ncert@nic.in); [jointdirectorciет@gmail.com](mailto:jointdirectorciет@gmail.com)**

**No. F.20.15/2023-24/DICT/CIET**  
**29 August, 2023**

**Sub.: Online Training on “Internet of Things (IoT) Security and Mobile security” from 4th-8th September 2023, 4.00 p.m. - 5.00 p.m. – reg.**

Dear Sir/ Madam,

The Internet of Things (IoT) has transformed the way we interact with the world around us. It refers to the network of interconnected devices and objects that communicate and exchange data. However, with this interconnectedness comes the challenge of ensuring the security and privacy of the data being transmitted and the devices involved. Similarly, the widespread use of mobile devices such as smartphones and tablets presents its own set of security challenges, including data breaches and malware infections. In this landscape, ensuring cyber safety and security for schools is crucial. Schools store sensitive student and staff information, and they often rely on digital tools for education. Implementing robust cybersecurity measures, including strong network defenses, regular software updates, and user education, is essential to safeguard against potential breaches, protect personal data, and maintain a safe digital learning environment.

In this context, CIET-NCERT is organizing a five hour online training series on Cyber safety and Security every First week of the month from 4pm to 5pm from Monday to Friday to orient the stakeholders to orient about Cyber Safety. As a part of series for the month of September, CIET-NCERT in collaboration with Indian Cyber Crime Coordination Centre (I4C) is organizing five hours of online training on **“Internet of Things (IoT) and Mobile security ” from 4th-8th September 2023, 4.00 p.m. - 5.00 p.m.** to leverage the understanding of teachers, students, teacher educators, administrators, and other stakeholders of school education on the need, importance of understanding and securing IoT devices and mobile in educational ecosystem. The online training will be live telecasted on NCERT official YouTube channel - <https://www.youtube.com/c/NCERTOFFICIAL> and also be simulcast through PM eVidya. The participants who appear in the post training quiz, score 70% and above will be issued a certificate of participation.

Therefore, the States/UTs are requested to share this information of this programme organized by CIET-NCERT with all the faculties, teachers, teacher educators, students and other stakeholders.

The banner and the information brochure of this online training programme is attached herewith and may also be disseminated through websites/ social media posts/ instant messenger groups etc. All the details regarding this training is available in the event page.

**Event Page:**

All Information regarding this event is accessible at,

Webpage

Link:<https://ciet.nic.in/itms.php>

QR Code:



We look forward to your support and participation in this online training. For any query, you may contact Dr. Angel Rathnabai, Programme Coordinator, CIET-NCERT at [training.helpdesk@ciet.nic.in](mailto:training.helpdesk@ciet.nic.in).

With regards,

Yours sincerely,

A handwritten signature in blue ink, appearing to read 'abehera'.

Amarendra P. Behera  
Joint Director, CIET

To

1. All the Education Secretaries/ Commissioner of School Education in the States/ UTs
2. All the Directors/ Principals of SCERTs/ SIEs in the States/ UTs
3. All the SPDs of Samagara Shiksha in the States/ UTs
4. All Secretaries/ Chairpersons of 62 Boards of School Education in States/ UTs
5. The Joint Secretary/ Commissioner/ Chairperson/ Director of Autonomous Bodies under the MoE, MoD, MoTA, MoMA (CBSE, KVS, NVS, CISCE, AEES, Sainik Schools, EMRS-NESTS, Madarsa)
6. The Member Secretary, NCTE
7. The Director (Training), CBSE (Email: [drtrgcbse@gmail.com](mailto:drtrgcbse@gmail.com))
8. The Director (Academic), NIOS

9. The Deputy Director of OSEPA, Sikshya Soudha, Unit - V, Bhubaneswar, Odisha 751001(Email: [osepate2022@gmail.com](mailto:osepate2022@gmail.com))
10. The Joint Director, PSSCIVE, Bhopal
11. Principals of RIEs at Ajmer, Bhopal, Bhubaneswar, Mysore and Shillong
12. All heads of the Department/ Divisions of NIE, NCERT.
13. Head Masters/ Mistress of DMS- RIE at Ajmer, Bhopal, Bhubaneswar and Mysore

Cc:

- Prof. Amarendra Behera, Joint Director, CIET-NCERT ([amarendra.behera@ciet.nic.in](mailto:amarendra.behera@ciet.nic.in))
- Prof. Indu Kumar, Head, DICT & TD, CIET-NCERT ([indu.kumar@ciet.nic.in](mailto:indu.kumar@ciet.nic.in))
- Dr. Rejaul Karim Barbhuiya, Assistant Professor, CIET-NCERT ([rejaul.karim@ciet.nic.in](mailto:rejaul.karim@ciet.nic.in))
- Dr. Angel Rathnabai, Assistant Professor, Programme Coordinator, CIET-NCERT ([angel.rathnabai@ciet.nic.in](mailto:angel.rathnabai@ciet.nic.in))
- Cyber Safety ID: [cybersafety@ciet.nic.in](mailto:cybersafety@ciet.nic.in)

**Online Training on**  
**“Online Training on “Internet of Things (IoT) and Mobile Security ”**  
**September 04 - 08, 2023**

**Information Brochure**

In our rapidly evolving technological landscape, where the integration of digital devices and online connectivity has become ubiquitous, the critical need for awareness to be spread regarding Internet of Things (IoT) and mobile security has never been more evident. IoT device expansion has produced unprecedented levels of efficiency and comfort, from industrial sensors to smart household appliances. This ease does, however, come with some built-in vulnerabilities that, if not addressed, could endanger not only people's personal privacy but also the safety of vital infrastructures. IoT devices are vulnerable to hacking, unauthorized access, and data breaches since they are frequently linked to the internet. Contemporary society's interconnected systems, which rely on the stability of connected networks, are put at risk, along with sensitive personal information. Similar to desktop computers, mobile devices have evolved into multipurpose hubs that can hold a variety of financial and personal data, making them desirable targets for hackers. The potential effects of a security compromise are amplified by these devices' interconnectedness.

Given this situation, it is clear that further education concerning mobile and Internet of Things security is required. A culture of digital responsibility can be fostered by equipping people, organizations, and sectors with information on best practices, possible risks, and mitigation strategies. The safeguarding of privacy, personal data, and the fundamental foundation of a technologically dependent society depends on raising awareness of IoT and mobile security in this period of unmatched digital revolution.

As part of the online training series on ‘ Cyber Safety and Security’, for the month of September, CIET-NCERT in collaboration with Indian Cyber Crime Coordination Centre (I4C), Ministry of Home Affairs (MHA), Government of India is organising a five-hours online training on **“Internet of Things (IoT) and Mobile security”** from 4th-8th September , 2023 from 4.00 pm -5.00 pm to enhance the understanding of teachers, students, teacher educators, and various

stakeholders. The online training will be live on NCERT official YouTube Channel- <https://www.youtube.com/c/NCERTOFFICIAL> and also be simulcast through PMeVidya DTH TV Channels numbered #6-12 and Jio TV mobile app.

### Objectives:

*After completion of the training series, the learner will be able to:*

- Understand the Fundamentals of internet of Things (IoT) and Mobile Security.
- Identify Vulnerabilities and Risks.
- Comprehend robust security measures for IoT devices and mobile applications, including encryption, authentication, and access controls.
- Enhance Incident Response and Recovery.
- Promote a Culture of Security Awareness.

### Programme Schedule:

Day & Date	Title of the Session	Resource Person
Day 1: Monday 04 September 2023	Internet of Things (IoT) and Mobile Security: What? Why?	Mr. Rushi Mehta, Consultant, Indian Cybercrime Coordination Centre (I4C), Ministry of Home Affairs  Mr. Robin Sebastian, Assistant Commandant, Indian Cybercrime Coordination Centre (I4C), Ministry of Home Affairs
Day 2: Tuesday 05 September 2023	Cybersecurity Risks with Internet of Things (IoT)	Mr. Robin Sebastian, Assistant Commandant, Indian Cybercrime Coordination Centre (I4C), Ministry of Home Affairs  Dr. Deepak Dwivedi, Consultant, Indian Cybercrime Coordination Centre (I4C), Ministry of Home Affairs

Day 3: Wednesday 06 September 2023	Securing IoT Devices	Mr. Davinder Kumar, Consultant, Indian Cybercrime Coordination Centre (I4C), Ministry of Home Affairs  Mr. Sanjay Kumar, Assistant Commandant, Indian Cybercrime Coordination Centre (I4C), Ministry of Home Affairs
Day 4: Thursday 07 September 2023	Mobile: Security, Threats and Safety Measures	Dr. Deepak Dwivedi, Consultant, Indian Cybercrime Coordination Centre (I4C), Ministry of Home Affairs  Mr. Shinku Saran Singh, Deputy Commandant, Indian Cybercrime Coordination Centre (I4C), Ministry of Home Affairs
Day 5: Friday 08 September 2023	Legal Ways of Handling Cyber Threats	Mr. Jitendra Singh, Assistant Commissioner of Police, Indian Cybercrime Coordination Centre (I4C), Ministry of Home Affairs  Mr. Rakesh Deswal, INSP, Indian Cybercrime Coordination Centre (I4C), Ministry of Home Affairs

### **Who can participate?**

Students, Teachers, Teacher Educators, Parents, Administrators, General Public, etc.

### **How to participate?**

#### **Step 1: Registration:**

Register yourself by clicking the link <https://forms.gle/zd6P3z4yF1ikRbxw8> or scan the QR code-



### **Step 2: Watch live training sessions:**

Participants have to attend training sessions, which will be live-streamed on NCERT Official YouTube channel - <http://youtube.com/ncertofficial> from **4<sup>th</sup>-8<sup>th</sup> September, 2023** at **4:00- 5:00 pm** (Monday to Friday). The session will also be telecasted live on the following:

- PM eVIDYA Channels #6-12
- DD Free Dish Channel
- DISH TV Channel #2027-2033
- Jio TV mobile app

If they missed the live Sessions, they watch the recording on the playlist. The link of the playlist will be updated on **September 4, 2023** in the event page.

### **Step 3 Participation in Post-Session Activity and Certification:**

Participate in the post session quiz, score 70% & above to get a certificate.

**Post-Session Quiz Link** - (Link will be updated on 08 September 2023)

Opening Date: 08 September 2023, by 6:00 pm

Closing Date: 29 September 2023, by 6:00 pm

Participants are allowed to attempt the quiz thrice and those scoring 70% and above in the quiz will receive a certificate of participation in their registered mail ID or they can download the certificate from the same page.

### **Step 4: Submit Your Feedback:**

Submit your feedback using the link <https://forms.gle/EtqvQxTZhJrKCv398> or by scanning the QR code





This feedback form is intended to know your experiences, learning, and suggestions regarding the online training on “**Internet of Things (IoT) and Mobile security**” organized by CIET-NCERT in collaboration with Indian Cyber Crime Coordination Centre (I4C), MHA.

Kindly share your experiences and suggestions with us. This will help us in further improvement of the virtual training process. Confidentiality of your responses will be ensured.

**For any queries, mail to: [training.helpdesk@ciet.nic.in](mailto:training.helpdesk@ciet.nic.in) or call: 8800440559.**

**Event Page:**

All Information regarding this event is accessible at,

Webpage Link: <https://ciet.nic.in/itms.php>

QR Code:



**Organising Team:**

**Programme Advisory:**

Prof. Amarendra P Behra, Joint Director, Central Institute of Educational Technology (CIET), NCERT, New Delhi.

Prof. Indu Kumar, Head- DICT, Central Institute of Educational Technology (CIET), NCERT, New Delhi.

**Programme Coordinator and Course Coordinator :**

Dr. Angel Rathnabai, Assistant Professor, Central Institute of Educational Technology (CIET), NCERT, New Delhi.

**Course Co-Coordinator:**

Ms. Himanshi Bhati, Academic Consultant, Central Institute of Educational Technology (CIET), NCERT, New Delhi.

**Technical Co-Coordinator:**

Ms. Sejal Beniwal, Junior Project Fellow, Central Institute of Educational Technology (CIET), NCERT, New Delhi.

# Online Training on Internet of Things (IoT) and Mobile Security

Organized by CIET-NCERT in collaboration with I4C, MHA



04-08 Sep 2023



4:00 pm-5:00 pm



Day 1	04 Sep 2023	Internet of Things (IoT) and Mobile Security: What? Why?
Day 2	05 Sep 2023	Cybersecurity Risks with Internet of Things (IoT)
Day 3	06 Sep 2023	Securing IoT Devices
Day 4	07 Sep 2023	Mobile: Security, Threats and Safety Measures
Day 5	08 Sep 2023	Legal Ways of Handling Cyber Threats

For Further Information on  
Registration and Certification, visit:

<https://ciet.nic.in/itms.php>



Watch it Live on

NCERT Official YouTube Channel

<https://www.youtube.com/@NCERTOFFICIAL>



You can  
watch at:



DD Free Dish Channel  
Dish TV Channel #2027-2033



PM eVidya Channel #6-12



Jio TV

For any further queries, mail to: [training.helpdesk@ciet.nic.in](mailto:training.helpdesk@ciet.nic.in) Or call: 8800440559