

The background features a dark blue gradient with several overlapping circular patterns. Some are solid lines, while others are dashed. Numbers like 160, 170, 180, 190, 200, 210, 220, 230, 240, 250, and 260 are scattered around the circles. The main title is centered in large, white, bold, sans-serif font.

CYBER SAFETY & DATA SECURITY IN E-LEARNING ENVIRONMENTS

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**COVID 19 PANDEMIC...HAS BROUGHT
ABOUT HUGE REVOLUTION.**

**LEARNING HAS TAKEN A LEAP WHICH DID
NOT HAPPEN IN LAST 20 YEARS.**

THE NEW PARADIGM

THEN

- Classroom
- **Textbooks**
- Classroom Discussions
- **Libraries**
- Radio
- **Field Trip (nearby location)**
- Black Board
- **Seminars**
- Encyclopedia

NOW

- e-Classroom
- **e-Books**
- e-Forums
- **Digital Repositories**
- Online Radio/Podcast
- **Virtual Trip (across the globe)**
- Interactive White Board
- **Webinars**
- Wikipedia

BLOOM'S DIGITAL TAXONOMY



HIGHER ORDER

LOWER ORDER

CREATING

BLOGGING, PODCASTING, VIDEOS

EVALUATING

GRADING, TESTING, MODERATING

ANALYZING

MIND MAPPING, VALIDATING

APPLYING

CALCULATING, UPLOADING,

UNDERSTANDING

**POSTING, TWEETING, TAGGING,
SUMMARISING**

REMEMBERING

SEARCHING, HIGHLIGHTING, COPYING

The background is a dark blue gradient with a subtle pattern of white stars and technical graphics. On the right side, there are several circular gauges or dials with numerical scales (e.g., 100, 110, 120, 130, 140, 150, 160, 170, 180, 190, 200, 210) and arrows. There are also dashed lines and other circular elements scattered across the background.

MAXIMIZING POTENTIAL OF TECHNOLOGY- ENABLED LEARNING

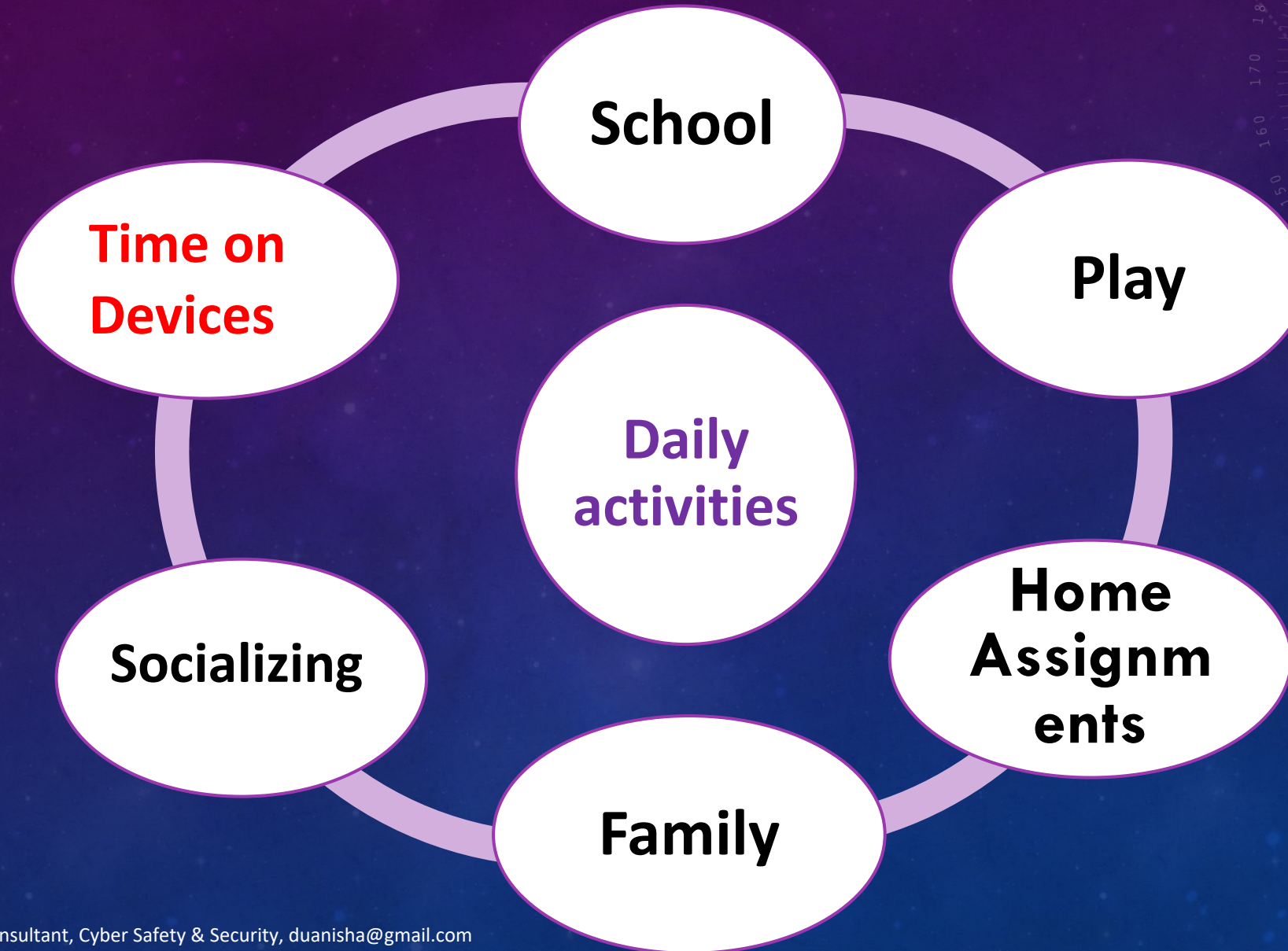
ADVANTAGES- TECH SUPPORTED LEARNING

- ✓ Anywhere...Anytime Learning
- ✓ Accommodates different learning styles and paces
- ✓ Promotes and improves knowledge and skills that are vital in future workplaces.
- ✓ Promotes communication, presentation, independence & problem solving
- ✓ Enhances ownership, application of knowledge, skills, and higher order thinking to prepare learners for 21st century workforce.

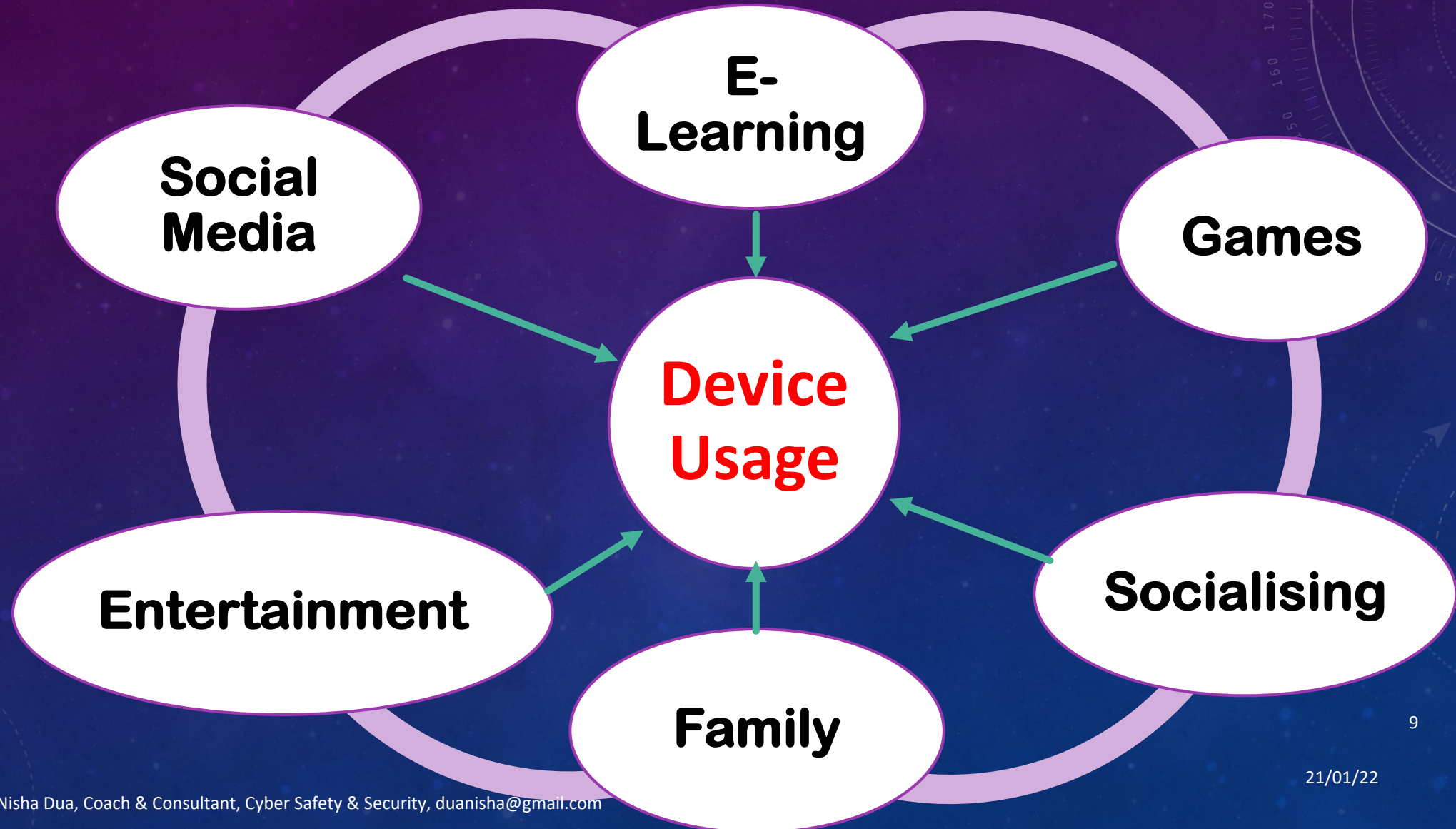
CONCERNS

The background is a dark blue gradient with a subtle pattern of white stars and faint technical diagrams. On the right side, there are several circular diagrams: a large one with a scale from 80 to 210 and an arrow pointing left, and a smaller one below it with a dashed outer circle and an arrow pointing right. In the bottom left corner, there is another circular diagram with a dashed outer circle and an arrow pointing left.

DEVICE USAGE PRE COVID-19



DEVICE USAGE DURING COVID-19



RISKS ON THE INTERNET

Identity Theft

Online Predators

Online Dating

Digital Footprints

Privacy

Stranger Danger

Cyber Bullying

Cyber Stalking

Blackmailing

FAKE NEWS

Trolling

Screen Time

Gaming "Addiction"

Sexting / Grooming

Revenge

Pornography

Addiction
Pornography

Private & Personal Information



Photos & Videos



Personal Information



✓ Sharing Personal Information

✓ Registering for Apps

✓ Privacy Settings on Apps & Platforms

✓ Passwords – not social



Emotions



Trolling



Stranger-Danger

Online Exploitation

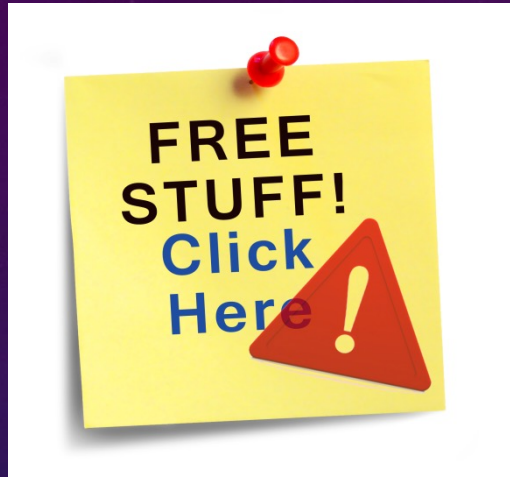


Meet Susan...

a 42 year old man posing
as a 15 year old girl online.

**"Susan" and your 13 year
old just made plans to
meet at the park.**

DATA SECURITY – DO NOT FALL FOR SCAMS



Sharing, Repeat & Weak Passwords



V
I
R
U
S



Identity Theft & Impersonation



Three Cs of Safe Internet Usage



CONTACT – who, why – strangers?

CONTENT – what – personal information, photos, feeling, hurtful, fake?

CONDUCT – safe, ethical, lawful, kind?

CASTING A POSITIVE DIGITAL REPUTATION

Digital Footprint

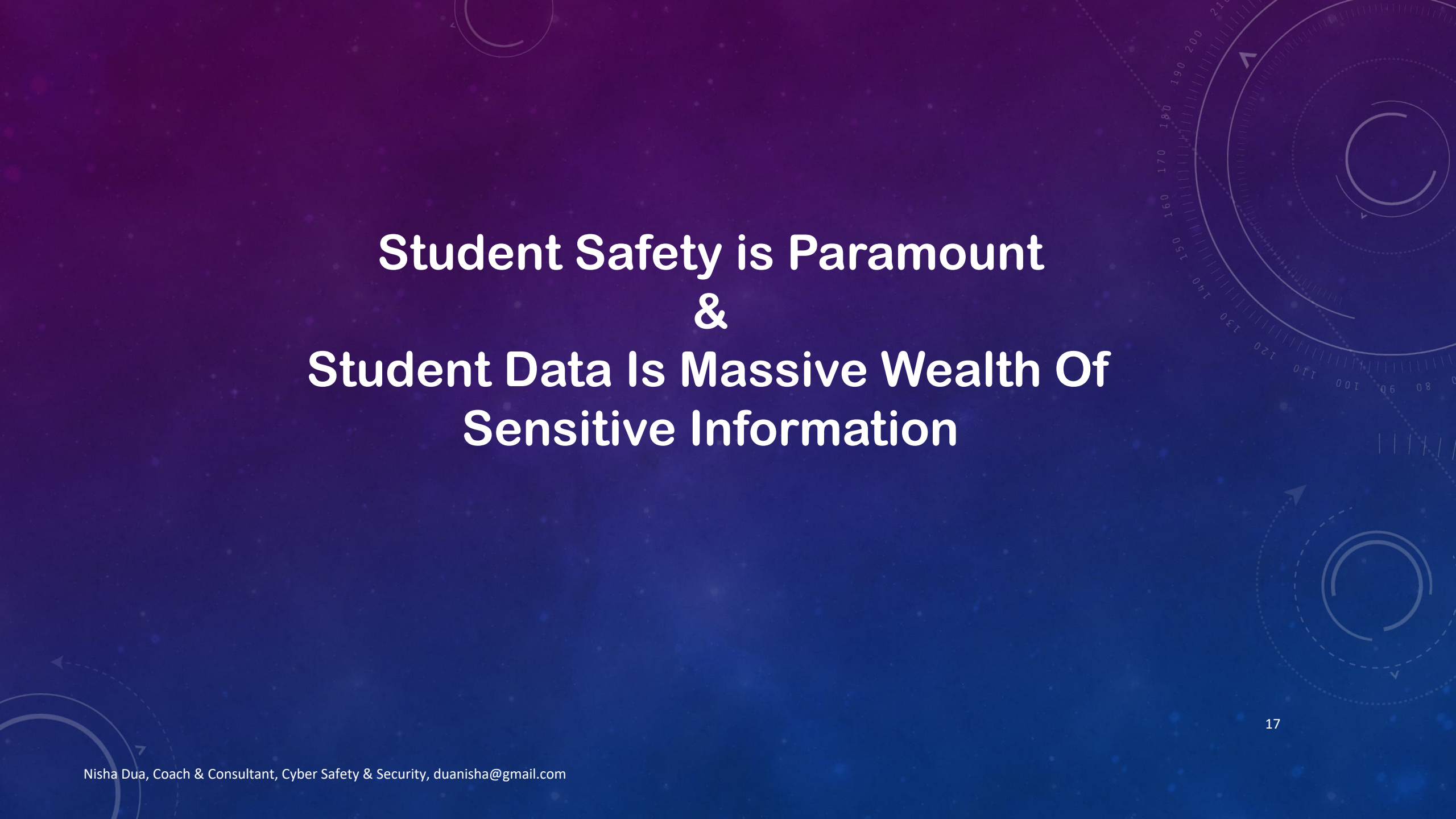


Be careful
what you put on the
internet... It will be
there forever.

If you post something
on the internet, it
will stay there.
Make sure you
leave a positive
footprint on
the internet

SAFE LEARNING ENVIRONMENTS

The background is a dark blue gradient with a field of small white stars. On the right side, there are several technical graphics: a large circular gauge with a scale from 0 to 210, a smaller circular gauge with a scale from 0 to 100, and a circular arrow graphic. On the left side, there are also circular arrow graphics.

The background is a dark blue gradient with faint, glowing technical graphics. On the right side, there are several concentric circles and arcs, some with numerical labels like 100, 110, 120, 130, 140, 150, 160, 170, 180, 190, and 200. There are also dashed lines and arrows, suggesting a circular or rotational motion. The overall aesthetic is futuristic and data-oriented.

Student Safety is Paramount & Student Data Is Massive Wealth Of Sensitive Information

WHAT IS STUDENT DATA?

- ✓ Academic Information - grades, performance records, special needs,
- ✓ **Demographic Details** - age, race, gender, eco status
- ✓ Testing /Performance Data
- ✓ **Medical Data**
- ✓ Behavioral Details
- ✓ **Photographs**

SAFE VIRTUAL CLASSROOMS

- Safe and Recommended Platforms
- End to End Data Encryption
- Trusted & Verified Apps
- Identity Authentication
- Updated Softwares
- Follow appropriate Logout Process
- Privacy awareness & risk of identity disclosure
- Punish bad actors: flag bad behaviours

SCHOOLS/COLLEGES

- Awareness - Digital Citizenship
- **Cybersecurity Policy**
- Cyber Safety Club
- Periodic hygiene test on all machines
- **Managements of Software/Data in the lab**
- Parental Consent & Involvement (minor students)
- **Awareness about reporting/helpline**

With great power comes great responsibility...be like Spiderman...



CALL FOR HELP

❖ Social Reporting

❖ Platform Reporting

❖ Legal/Formal

❖ CYBER SAFETY CELLS

❖ CHILD LINE Help Line – e Box

❖ NIMHANS

❖ Cyber Peace Foundation

Helpline - +91 9570000066

www.helpline@cyberpeace.net

File a formal complaint

www.cybercrime.gov.in

QUESTIONS?

