

Pavithra M.B.

Rights do not retire at the campus gate; they accompany every citizen into every space where power operates, even the digital ones. Today’s education is mediated by machines. Attendance is marked by facial recognition, learning apps track keystrokes, and CCTV cameras watch with eyes that never tire.

Dignity is the life-breath of liberty. Once, dignity in education meant freedom from ridicule and discrimination. Today, it also means freedom from invisible eyes, silent profiling, and digital footprints. A student’s daily life is observed, recorded, and stored. When dignity migrates to the digital world, so must its protection. Dignity shrinks when a human being becomes a data point, and shrivels entirely when they become a product.

**Dignity and privacy**  
Digital dignity ensures that the student remains a human being first and not just data. It demands respect for autonomy in online interactions, fairness in algorithmic decisions, and transparency in institutional digital systems. It insists that no learner should feel embarrassed, profiled, monitored, or manipulated simply because learning has shifted to screens and apps. In short, digital dignity is the guarantee that technology will not diminish the learner’s worth.



# Protection, not surveillance

Why it is important to teach digital dignity in educational institutions

Data privacy is the legal architecture that upholds digital dignity. It gives every student the right to know what information is collected, for what purpose, how securely it is stored, and whether it is shared with third parties. Privacy does not hide wrongdoing; it protects personhood. A photograph, voice clip, Aadhaar number, or keystrokes must not become commercial commodities. Privacy, in its digital form, is not a technical privilege; it is a human right. Though linked, they are

not identical. Digital dignity is the principle; the moral claim to respect in online spaces. Data privacy is the mechanism; the enforceable safeguard that ensures this respect translates into practice. Dignity defines who the student is; privacy defines what may be done with their information. Together, they guard the child both as a person and as a data subject.

**In school and college**  
In schools, digital dignity begins with simple lessons on consent, helping chil-

dren understand what it means to say “yes” or “no” to sharing. Students must learn to recognise unsafe online behaviour, including cyber bullying and manipulative messaging. Teachers can use examples such as classroom WhatsApp groups to show how easily information spreads. Explaining digital footprints – how data travels and rarely disappears – gives younger learners a sense of responsibility and caution.

In colleges, digital education must move beyond technical skills to deeper

ethical awareness. Courses across disciplines should integrate AI ethics, informed consent, transparency, accountability and the constitutional values behind privacy rights. Classroom discussions must also address deepfakes, misinformation, targeted advertising and how data-driven profiling can shape opportunities or discrimination. The goal is not to fear technology but to humanise it.

The NCERT’s Digital Wellness Curriculum introduces responsible digital behaviour at the school le-

vel, and the UGC’s draft guidelines emphasise cyber hygiene and ethical technology use across higher education. The DPDP Act provides statutory grounding for informational privacy.

The Union Government’s recent move to mandate Sanchar Saathi as a pre-installed smart phone app designed to help users verify mobile connections and block stolen phones ignited national debate and drew criticism from digital rights experts who warned that any tool with deep device access must operate within constitutional safeguards. Their concern was simple: digital safety cannot be separated from digital autonomy.

Protection cannot demand the surrender of control. Safety tools must empower users; not overpower them. A student cannot be truly safe if they cannot know what data is collected, decide what to share, opt out, uninstall a tool, or understand how a system works. Safety without autonomy becomes surveillance, not protection. Thus, digital dignity and privacy are not only academic concepts; they are constitutional expectations.

**Build awareness**  
Awareness of data rights is still low among students, teachers and parents. Many institutions rely excessively on CCTV networks, biometric scanners, and behaviour-tracking apps, normalising surveillance

rather than safety. Unequal access to devices and connectivity deepens old social inequities under a new digital mask. Algorithmic bias continues to influence admissions, evaluations, and opportunities, often invisibly. Adding to this is the rising commercialisation of student data by edtech platforms that treat learning profiles as marketable commodities rather than protected personal information.

Educational institutions must adopt mandatory Digital Dignity Codes and ensure every digital tool used on campus is built with privacy-by-design. Let there be “digital drills” in educational institutions to train students to spot manipulative permissions, detect misinformation, and exercise their right to opt out. Institutions should designate a student digital ombudsman, to ensure that grievances about tech misuse are heard impartially. In a world where a young person’s first footprint is often digital, the protection of that footprint becomes a sacred educational duty.

Digital dignity is not the luxury of the future; it is the discipline of the present. In teaching it, we do not merely modernise our classrooms; we moralise our future.

*Views expressed are personal*

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**OFF THE EDGE**  
Nandini Raman

**I am in Class 12, and doing a diploma in ECE. I want a career in the intelligence field. What should my strategy be? Shivaram**

A career in the intelligence field isn’t about clearing a single exam but building a profile over time. For now, focus on creating an impeccable academic and personal profile. Academic excellence is non-negotiable, and your diploma in ECE is an excellent asset. Your degree must align with your skills and the needs of the intelligence community, so consider a B.Tech in ECE or CSE (with lateral entry into the second year due to your diploma) or a B.Sc in Physics, Maths, or Computer Science. Learn a foreign language like Mandarin, Arabic, Farsi ... rare skills that are highly valued.

Intelligence work demands unique skills. Build your analytical ability, communication and digital literacy skills. Stay physically and mentally fit, build stamina and resilience, and stay observant.

The UPSC Civil Services Exam is the most structured path into the Intelligence Bureau (IB) and the Research & Analysis Wing (RAW). A high rank can get you into IPS or IRS, from where officers are deputed to intelligence agencies. IB and RAW also recruit directly for certain roles. Watch their official portals. You can also enter Military Intelligence by clearing NDA after Class 12 or CDS after graduation and then opting for intelligence roles as a commissioned officer.

**I have a degree in Arts and a PG Diploma in Airport Operations. I am now working in the cargo section. I wish to study**

**further in the aviation sector. Are there any good courses in India or abroad? Lakshmi**

Dear Lakshmi,

Aim to move into a specialised management role in aviation. There are several specialised programmes that are cost-effective and have strong industry connections. An MBA with specialisation in Aviation will require valid scores in entrance exams such as CAT, MAT, XAT, or CMAT. You can also consider an M.Sc. Aviation which focuses more on operational and safety aspects rather than the business side. Advanced PG Diplomas and certifications, such as in Aviation Safety & Security, Air Cargo and Logistics Management, and Airlines and Airport Management, are ideal for upskilling without committing to a two-year programme. Look for IATA-authorised programmes.

If you want to study abroad, you can consider programmes such as a Master’s in Aviation Management or Air Transport Management in the U.K., the Netherlands, France, Australia, and Singapore. Many of these programmes have strong ties with global airlines, airports, and aircraft manufacturers. Research the universities and connect with their alumni on LinkedIn to find out more about career outcomes. Also, start preparing for entrance exams for both India and foreign countries.

**I am uncertain about my higher secondary studies. I believe I have strong**

**leadership skills, the ability to influence people, and excellent public speaking, listening and conversational skills. What would be a good career option? Nevin**

Dear Nevin,

Potential paths you could consider are Law and Public Policy, which involves persuasion, argumentation, and influencing outcomes. You could be a lawyer or advocate, a policy analyst, or join the foreign services as a Diplomat/Foreign Service Officer. You can consider subjects such as Political Science, History, Economics or Commerce (for corporate law). If you are interested in business, management and entrepreneurship, you could look at roles such as marketing or brand manager, a human resources manager, sales manager and so on. Commerce with Maths and Business Studies or Science (if you have an aptitude for it) will offer diverse options. You can also consider media and public relations with roles such as corporate communications manager, journalist, news anchor, radio jockey, and social media manager. Here, programmes in Mass Media or Psychology would be relevant. If you would like to be a political strategist or a social entrepreneur, or work with an NGO, opt for Sociology, Political Science and Psychology.

**I have a B.Tech. in Mechanical Engineering and interested in pursuing a law degree. But the NLU, which are said to be the best, are quite expensive. Are there other**

**affordable options? Vinay**

Dear Vinay,

While the NLUs are expensive, the high cost is often seen as an investment in the future. However, this does not negate the financial barrier. But not all NLUs are equally expensive. The newer (slightly lower-ranked one) has significantly lower fee structures but still provides a solid brand name and a competitive environment. State Government Law Universities are excellent and affordable options, and many brilliant lawyers and judges have graduated from these institutions. Many central universities also have excellent law departments that are very affordable.

As a B.Tech graduate, you can do a three-year LL.B. (Bachelor of Laws) programme. You will need to take the CUET PG entrance exam for central and state universities. Some state universities and law colleges conduct their own specific entrance tests. Some NLUs also offer a three-year LL.B. programme, which you can enter through their specific entrance (like the AIBE, but please check). Your career with B.Tech + LL.B. can offer roles such as patent attorney, or a corporate lawyer or working in cyber laws and data privacy or legal roles in engineering or IT companies.

**Disclaimer: This column is merely a guiding voice and provides advice and suggestions on education and careers.**

The writer is a practising counsellor and a trainer. Send your questions to eduplus.thehindu@gmail.com with the subject line Off the Edge.

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S. Alfred Cecil Raj

The synergy between Industry 4.0 and Education 4.0 represents a fundamental shift toward intelligent, interconnected systems in both industrial and learning environments for which a Memorandum of Understanding (MoU) serves as the bridge between institutions, industries, and other stakeholders through formal partnerships. MoUs act as catalysts for dynamic, flexible, and industry-aligned curricula, promoting experiential learning, research orientation and global exposure, transforming students from passive learners to future-ready professionals.

**Benefits**  
MoUs have become crucial in contemporary education due to several factors. The rapid pace of technological advancement means that educational institutions must constantly update their curricula and resources to remain relevant. Thus, MoUs enable institutions to align their curriculum with current industry demands and emerging global trends. They help introduce skill-based and application-oriented courses, improving student employability. They also enable students to gain exposure to actual workplace environments through internships, joint projects and mentorship programmes that are formalised through these agreements.

Research collaborations through MoUs encourage project-based learning and innovation-driven coursework. Furthermore, globalisation has made collaboration with no boundaries essential for educational excellence. They provide the legal and operational framework for international partnerships, global exposure through student exchanges, joint research initiatives and shared degree or

# A vital interface

Why collaboration between industry and academia in the form of structured MoUs is crucial



semester abroad programmes that enhance global competitiveness.

The institute-industry interface serves as a vital platform to foster quality enhancement and skill-oriented education through meaningful industry-academia collaborations. To ensure the effective implementation of MoUs, institutions must prioritise outcome-oriented partnerships with a systematic and structured approach. This involves defining clear objectives that focus on curriculum modernisation, faculty capacity building, student internships and placements, and collaborative research opportunities.

**What needs to be done**  
Proper documentation, maintaining detailed records of activities such as student participation, industry-linked projects, faculty exchanges, and professional skill development programmes is crucial. Institutions should also establish regular monitoring and evaluation mechanisms to assess the effectiveness of the implementation. This includes tracking key performance indicators such as student employment rates, industry feedback on graduate competencies, joint research publications and technology transfer initiatives. Assessing agencies / organisations expect evidence-based reporting, so institutions should maintain comprehensive databases of MoU-related activities and their impact on educational quality.

By adopting a performance-based approach, institutions can create a vibrant academic environment where industry partnerships actively contribute to academic excellence, practical learning and professional readiness.

Integrating MoUs into academic sessions often faces challenges such as mismatched academic and industry schedules, which can be addressed by introducing flexible modules and advance planning. Regular faculty development programmes and industrial training are essential to ensure that the faculty get the necessary exposure.

Successfully implementing MoUs along with the regular academic activities requires strategic planning and flexible execution. The key factor is integration rather than addition. MoU activities should complement and enhance existing programmes rather than competing with them for time and resources. To boost student engage-

ment, institutions should integrate MoU activities into credit-bearing courses and offer practical incentives like certifications.

Time management can be optimised by scheduling industry interactions through seminars, workshops, internship, and projects that don’t disrupt core academic schedules. Technology can significantly ease implementation challenges. Virtual collaborations, online mentoring sessions and digital project management tools can reduce the logistical burden of coordinating between academic and industry schedules while maintaining meaningful engagement.

Research collaboration through MoUs accelerates innovation by combining academic research capabilities with industrial application needs. Joint research projects can address real industry challenges while advancing theoretical knowledge, creating a feedback loop that benefits both sectors and drives technological advancement.

Thus, the data-driven MoUs, through dedicated cells help ensure active tracking of outcomes and avoid dormant agreements. This creates opportunities for continuous improvement and optimisation. These partnerships ultimately create a more responsive and effective educational ecosystem that produces graduates who are not only knowledgeable but also skilled employees to the organisations, thereby strengthening the foundation for Industry 4.0 implementation and success.

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