

AI. Education. Innovation. Future Skills.

Bridging Artificial Intelligence, Education, Innovation
and Future Skills.



Dr. Tanveer Ikram

Education Strategist · Student Innovation & Faculty
Development Mentor

Strategic Mentor & Resource Person — Tera Compute

STUDENTS

AI literacy, computational thinking
and innovation, ending in work they
have built.

FACULTY

Practical AI capability that remains in
the institution after the session.

INSTITUTIONS

Programme architecture, innovation
ecosystems and long-term
partnerships.

30+

YEARS OF
EXPERIENCE

5

COUNTRIES
WORKED IN

94

AI FOR K12
ASSESSMENT

100S

TRAINED &
MENTORED

Dr. Tanveer Ikram

Senior AI & Technology Expert | International AI Trainer | Education Strategist | Resource Person

Dr. Tanveer Ikram is an artificial intelligence and technology professional with more than thirty years of experience across education, software development, digital transformation and applied innovation. His career has moved deliberately between industry and academia — leading a technology company in Kuala Lumpur, working across Australia, New Zealand, Malaysia and Singapore, and subsequently holding senior academic and technology-leadership positions in Indian higher education.

He served as Professor (CSE–AI) and Head of the Software Development Cell at Inderprastha Engineering College until June 2026. He works today as an international AI trainer, education strategist and expert resource person, designing and delivering programmes in Artificial Intelligence, Generative AI, AI Agents, computational thinking, robotics and responsible AI for schools, colleges and universities.

He is a Google India AI speaker and faculty-development trainer, a mentor to student innovation teams and ventures associated with the MeitY GENESIS scheme, and a published researcher on large language models and edge AI.

CURRENT ENGAGEMENT

Strategic Mentor & Resource Person

Tera Compute

CURRENT FOCUS

AI education and future skills
Faculty development and CPD
Student innovation mentorship
School programme strategy
Composite Skill Lab advisory

FORMER INSTITUTIONAL ROLE

Professor (CSE–AI)
Head, Software Development Cell

Inderprastha Engineering College · until June 2026

QUALIFICATIONS

Ph.D.

Computer Science & Engineering
Maharshi Dayanand University,
2019

M.Tech.

Computer Science & Engineering
Universiti Teknologi Malaysia,
1999

B.Sc. Engineering

Mechanical
Jamia Millia Islamia, New Delhi,
1991

Diploma

Marketing
London Chamber of Commerce,
UK, 1998

Experience That Builds Authority

Three decades moving between enterprise technology and academic leadership — the combination that allows a programme to be designed for a classroom and defended in a boardroom.

1991 — 2010

Industry & Enterprise

Marketing and quality management in India; process quality leadership and chief executive of a technology company in Kuala Lumpur; IT management in Brisbane, Australia.

2010 — 2024

Academic Leadership

Professor and off-campus faculty roles including BITS Pilani; Principal of COMM-IT Career Academy, New Delhi.

2025 — JUNE 2026

AI & Innovation Leadership

Professor (CSE-AI) and Head of the Software Development Cell, Inderprastha Engineering College; national AI recognitions, mentored student ventures and innovation-council teaching.

2026 — PRESENT

Expert Resource & Strategy

International AI trainer, education strategist and innovation mentor; Strategic Mentor and Resource Person, Tera Compute.

AUTHORITY AT A GLANCE

30+ years of experience

Across industry, enterprise technology and higher education.

International exposure

Professional work across five countries.

AI & technology leadership

Departmental and development-cell leadership in higher education.

Student & faculty development

Programmes for school students, undergraduates and faculty.

Innovation & mentorship

Mentored ventures, hackathon teams and applied technology projects.

ENTERPRISE TECHNOLOGY

ACADEMIC LEADERSHIP

AI & INNOVATION

INSTITUTIONAL STRATEGY

Selected Institutional & Professional Engagements

Documented contexts in which Dr. Ikram has spoken, taught, mentored or held a formal role.

01

INTERNATIONAL & GLOBAL EXPOSURE

Google India
University of Birmingham Dubai
India AI Impact Summit 2026

02

HIGHER EDUCATION & INNOVATION

Inderprastha Engineering College
IPEC-TBI
Delhi Technological University
Institution Innovation Council
MIET & MIT colleges

03

ECOSYSTEM & GOVERNMENT-LED CONTEXTS

MeitY GENESIS ecosystem

Student ventures mentored under the Software Development Cell and associated with the scheme from April 2025 onwards.

04

SCHOOL EDUCATION

Bal Bharti School
Chhabil Dass School, Ghaziabad
St. Xavier · Amarpali · Ryan School
Happy English School · Amity

PROFESSIONAL WORK ACROSS

India · Malaysia · Australia · New Zealand · Singapore

Documented speaking, training, mentoring and institutional contexts. Listed as engagements — not as current clients, partnerships or endorsements.

What I Speak On

Tools change every few months; capability does not. Each area is taught as a way of thinking and working, with contemporary AI tools used as examples rather than as the objective.

01

AI Fundamentals

How AI systems learn, reason and reach decisions — and where they fail.

02

Generative AI

From content creation to intelligent decision support; prompt design and practical workflows.

03

AI Agents & Autonomous Systems

Systems that act and decide, and what that means for learning and work.

04

Computational Thinking & Coding

Decomposition, pattern recognition, abstraction, algorithm design and data analysis.

05

Robotics & Emerging Technology

Robotics, automation, conversational AI and hardware–software integration.

06

Responsible AI

Ethics, bias and fairness, privacy, safety and digital citizenship as a core layer.

07

Innovation & Entrepreneurship

Design thinking, problem framing, prototyping, pitching and venture mentorship.

08

AI Education & Faculty Development

AI pedagogy, assessment, curriculum design and institutional capability building.

THE DISTINGUISHING FACTOR

AI → CODING → REAL PROBLEMS → ETHICS → INNOVATION → DEMONSTRABLE OUTPUT

These capabilities are never taught in isolation. A concept is introduced, applied through code or a robotics activity, tested against a real problem, examined for ethical risk, and then built into something a student or a teacher can demonstrate. That chain, rather than any single subject, is what an institution is engaging.

Expertise Demonstrated in Practice

Credibility in AI education comes from working with current concepts, in real institutional settings, in front of real audiences. Drawn from the 2025–2026 academic cycle.

FEBRUARY 2026 · HEI PRE-SUMMIT ENGAGEMENTS

India AI Impact Summit 2026

Theme: AI for Atmanirbhar Bharat. Supplied institutional records note participation of 60+ students across the sessions.

Generative AI: From Content Creation to Intelligent Decision Support

AI Agents: Building Autonomous Systems That Act and Decide

Predicting the Future: How AI Is Transforming Industries

60+

students across the Summit sessions

4

projects developed under his guidance selected for AI Impact Summit 2026

3

documented session themes delivered

IPEC WINTER SCHOOL 2026 · THE BUILD JOURNEY

A multi-day programme moving from conceptual understanding of AI through to student-built outputs — working websites, robots assembled from their own PCB design and soldering, AI artwork and tested chatbots — with responsible AI carried across the week.

UNDERSTAND

Human vs AI Intelligence
Generative AI
AI-powered Storytelling
AI Colouring Books
Prompt Engineering

BUILD

Chatbots & Talking AI
AI Presentations
AI-assisted Websites
Robotics & PCB Design
Precision Soldering

APPLY RESPONSIBLY

Responsible AI
AI Safety
Data Privacy
Mobile App Integration

Recognition & Impact

Professional recognition and student outcomes are presented separately and labelled, so the distinction between the two is never left to inference.

PROFESSIONAL RECOGNITION

Best Award — Google India

Higher Education Use Case Contest; awarded to projects entered under his leadership.

JULY 2025

Google AI for K12 Educators

Assessment score: 94.

AUGUST 2025

2nd Prize — Aldea Challenge 2025

Recognised by the Governor of Uttar Pradesh · ₹41,000.

JUNE 2025

Navomesh Final Round

Five projects selected — recorded as the second highest count in Uttar Pradesh.

JUNE 2025

AI Impact Summit 2026

Four projects selected.

2026

STUDENT & MENTORSHIP OUTCOMES

Autovate Hackathon — 1st Prize

INVICTUS 2026, Delhi Technological University · ₹3,000
Pratham, Sameep, Rudraksh, Tejasva

Green Bharat Hackathon — 2nd Prize

Bharat-Grid AI — grid stability, energy simulation and emergency hospital power routing. Hosted at Microsoft Office, Noida · ₹7,800
Kiran, Sumit, Piyush · March 2026

AI for Smart Healthcare — 3rd Prize

Bal Bharti students, under Software Development Cell guidance · 2025–26

Achievements in this section are labelled by type; student-team awards are not represented as Dr. Ikram's personal awards.

FIVE NAVOMESH SELECTIONS

FOUR SUMMIT SELECTIONS

THREE STUDENT PLACEMENTS

From Learning AI to Building With AI

Students are not trained merely to use AI tools. They are developed to think, create, solve and innovate with technology — and every programme ends with something they have built.

DOCUMENTED STUDENT OUTPUTS

AI colouring books Original illustrated books made with AI image tools.	AI cartoon films Storyboarding, scripting and short animated films.	Websites & Google Sites Working sites designed and published by students.	AI chatbots Assistants built with Google Gemini and similar platforms.
AI presentations Professional slide design and structured communication.	Coding through games Programming logic taught through game-based challenges.	Robotics builds PCB design, soldering and code-hardware integration.	AI innovation projects Team problem-solving carried through to a pitch.

THE LEARNING PROGRESSION



RECENT SCHOOL DELIVERY RECORD

DATE	PROGRAMME DELIVERED	SCHOOL
5–9 Jan 2026	Generative AI programme	Chhabil Dass School, Ghaziabad
11 & 20 May 2026	Generative AI; AI website tools; coding through games	St. Xavier · Amarpali · Ryan School
25–26 May 2026	AI training programme	Bal Bharti School
27 May 2026	Generative AI	Happy English School · Amity

Student Development Programmes

Two progressive tracks, each built as a modular pathway rather than a set of disconnected workshops. Each module carries a demonstrable student output.

Grades 3 – 8

TRACK ONE · FOUNDATION PATHWAY

- 01 AI Explorers
- 02 Computational Thinking Lab
- 03 Create with AI
- 04 AI-Powered Storytelling
- 05 Build a Website with AI
- 06 Coding Through Games
- 07 AI Chatbots for Young Learners
- 08 Responsible AI & Digital Citizenship
- 09 Design Thinking for Young Innovators
- 10 AI Innovation Challenge

Grades 9 – 12

TRACK TWO · ADVANCED PATHWAY

- 01 AI Foundations & Data Literacy
- 02 GenAI: Prompt to Product
- 03 AI Agents & Autonomous Systems
- 04 AI for Problem Solving
- 05 Responsible AI
- 06 AI Research & Verification
- 07 Design Thinking + AI
- 08 Innovation & Entrepreneurship
- 09 AI + Sustainability
- 10 AI Careers & Future Skills
- 11 AI Innovation / Ideathon Lab

CURRICULUM ALIGNMENT

Classes 3–5 · 50 hours annually

CBSE integrates Computational Thinking into Mathematics and The World Around Us. Content supports that integration through puzzles, visual reasoning, logic and everyday problem-solving.

Classes 6–8 · 100 hours annually

CBSE introduces advanced CT, data handling and AI literacy through interdisciplinary projects. Content supports that stage through data concepts, AI awareness, ethics and project work.

Assessment approach

Problem-solving tasks, project work, reflective journals and ethical discussion. Every module carries a demonstrable output rather than a test score.

Programmes are independently designed to complement CBSE and NEP-aligned learning priorities; they are not represented as CBSE-endorsed or Board-certified offerings. A detailed grade-wise programme architecture is available separately.

Building AI-Ready Educators

The CBSE CT & AI curriculum is delivered by Mathematics and subject teachers, not by specialists — which makes faculty capability the deciding factor in whether it works.

THE CPD DELIVERY MODEL



SELECTED MODULES

- | | |
|--|---|
| <p>01 AI Literacy for Educators
Capabilities, limitations and classroom use.</p> <hr/> <p>02 Generative AI for Teaching
Prompting, lesson planning, differentiation and feedback.</p> <hr/> <p>03 AI for Assessment & Content
Question design, rubrics and verification.</p> <hr/> <p>04 Responsible AI, Safety & Privacy
Ethics, privacy, bias and misinformation.</p> <hr/> <p>05 Computational Thinking Across Subjects
Decomposition, patterns and algorithms beyond Mathematics.</p> <hr/> <p>06 Teaching CT & AI — Grades 3–8
Age-appropriate pedagogy and activities.</p> <hr/> <p>07 Kaushal Bodh Project Facilitation
Project framing, experiential learning and evidence.</p> | <p>08 Kaushal Vikas & Employability
Digital skills, communication and career-linked learning.</p> <hr/> <p>09 AI for Research
Discovery, synthesis, verification and academic integrity.</p> <hr/> <p>10 AI Agents for Educators
Agents, workflows, automation and decision support.</p> <hr/> <p>11 AI & Inclusive Pedagogy
Differentiation, accessibility and multimodal learning.</p> <hr/> <p>12 School AI Policy & Governance
Responsible-use rules, assessment and privacy.</p> <hr/> <p>13 AI Leadership for Principals
Strategy, readiness, risk and capability roadmap.</p> <hr/> <p>14 AI Innovation & Design Thinking
Innovation challenges, mentoring and project culture.</p> |
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DOCUMENTED FDP EXPERIENCE

Generative AI All IPEC faculty 27–31 January 2025	Generative AI in Research Management faculty February 2025	AI and Tools in the Education Sector Google India FDP 22 August 2025
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Designed to support institutional CPD objectives.

The Tera Compute Ecosystem

From expert sessions to school transformation. Dr. Ikram is engaged with Tera Compute as Strategic Mentor and Expert Resource Person.

01 Expert Sessions

A keynote, an assembly session or a single expert workshop.

02 Student Skill Development

Structured, grade-wise AI and computational thinking programmes.

03 Faculty Development

Internal teaching capability, so the school is not dependent on external delivery.

04 Innovation Programmes

Ideathons, hackathons and challenges with expert judging and mentorship.

05 Annual School Partnership

A planned twelve-month architecture rather than isolated events.

06 Composite Skill Labs

A physical and pedagogical environment for moving from concepts to solutions.

07 Institutional AI & Innovation Ecosystem

Trained faculty, active student teams, a working lab and an annual innovation calendar.

SENIOR EXPERTISE

Dr. Tanveer Ikram

Expert resource person
Strategic mentor
Ideathon and competition judge
Student innovation mentor
Faculty development expert
School programme strategist
Composite Skill Lab advisor
AI and technology advisor

DELIVERY CAPABILITY

Tera Compute

Programme implementation
School partnerships
Technology ecosystem
Student innovation programmes
Annual programme architecture
Skill lab implementation
Project execution
Ongoing school support

EXPERTISE

+

IMPLEMENTATION

=

INSTITUTIONAL IMPACT

From Ideas to Real-World Impact

AI education carries more weight when the person teaching it also builds. The work below spans mentored student ventures, published research and systems delivered into live use.

MENTORSHIP & VENTURE
INCUBATION

MeitY GENESIS Ecosystem

Student ventures developed under Software Development Cell mentorship and associated with the Government of India scheme, from April 2025 onwards.

Urban Hub LLP

Measure Master LLP

DermaShudhi LLP

Tera Compute LLP is separately identified as his current strategic association.

RESEARCH & PUBLICATION

Edge-Based Low-Cost Smart Recorder with Compressed Event Clips

ICARCCS, Saharanpur · February 2026
with Harshita Singh

Large Language Models in Management Education: An Empirical Study of Student Adoption and Perception

ICAICS, Shimla · January 2026
with Harshita Singh

Perspectives on Management Innovation, Leadership, Entrepreneurship and Sustainability

Book chapter · 2025

APPLIED TECHNOLOGY &
PROJECTS

SolarAI Pro

Solar energy intelligence

MicroVision AI

Applied computer vision

AI Farmers Support System

Agricultural decision support

TwachaShudhi

Skin disease identification

Smart Water Flow Drainage

Urban water management

Bharat-Grid AI

Energy grid stability and simulation

Exam Paper Management System

Delivered to the Library, Jan 2026

Flood Control Management System

Delivered to the CDO, Ghaziabad, Jan 2026

Solar Panel Prediction System

Delivered to the CDO, Ghaziabad, Jan 2026

SELECTED PROJECTS SHOWCASED AT

Russian Embassy · Bharat Mandapam

INVITATION

Bring AI Expertise to Your Institution

From a single expert session to a structured, year-long AI and innovation ecosystem.

STUDENTS	FACULTY	LEADERSHIP	INSTITUTION
Artificial Intelligence Computational Thinking Innovation Future Skills	AI Literacy AI Pedagogy Responsible AI CPD & Assessment	AI Strategy Governance Innovation Future Readiness	Annual Partnerships Innovation Labs Composite Skill Labs AI Ecosystem

AVAILABLE FOR

Expert Sessions

Keynotes

Student Workshops

Faculty FDP / CPD

AI Innovation Labs

Ideathon / Hackathon Mentorship

Principal & Leadership Briefings

AI Policy Workshops

Annual School Partnerships

Composite Skill Lab Strategy

Invite Dr. Tanveer Ikram for an expert session, student development programme, faculty development engagement or long-term school innovation partnership.

Dr. Tanveer Ikram

Senior AI & Technology Expert · International AI Trainer

Strategic Mentor & Resource Person — Tera Compute

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