

FUTURE INSTITUTE OF ENGINEERING AND MANAGEMENT

THE OFFICIAL NEWSLETTER OF THE COMPUTER SCIENCE AND
ENGINEERING (DATA SCIENCE) DEPARTMENT



DATA SPARK



July 2025 Edition

A Message from the HOD's desk:

The Department of CSE (Data Science) remains steadfast in its commitment to academic excellence, innovation, and value-driven growth. July, arriving with the calm rhythm of the monsoon, offered a moment to pause, reflect, and realign as the academic journey progressed. This period encouraged thoughtful engagement and intellectual exchange, as faculty and students continued to contribute through reflection, insight, and shared learning beyond the bounds of events alone.

As the semester found its footing, this time reminded us that meaningful progress is often nurtured through consistency, collaboration, and quiet dedication. I extend my heartfelt thanks to our Executive Director Sir, Principal Sir, faculty members, staff, and students for their continued support and commitment to the department's collective growth.

~Dr. Satrughna Singha
Associate Professor & HOD, CSE (DS) Department

A Message from the Editorial:

My hands linger over the keyboard as I type this — the monsoon has settled in, bringing with it a quiet chill and a slower rhythm. July arrives as a moment to pause, to draw the curtains just enough to look inward, and to take stock of where we stand in the journey of 2025. The year has already carried us through waves of learning, transition, and quiet perseverance. Some months moved swiftly, others asked us to slow down — and in between, so much unfolded that remained unspoken, uncaptured, yet deeply felt.

This edition is a gentle gathering of those thoughts and reflections — a mid-year pause to acknowledge the ideas, insights, and voices that continue to shape our department, even in moments of stillness.

~Yours sincerely,
The Editorial Team



DR. SATRUGHNA SINGHA
ASSOCIATE PROFESSOR &
HOD, CSE(DS), FIEM

Kolkata's Ganga Ghats

A Living River of Culture

By Sanjib Ghosh

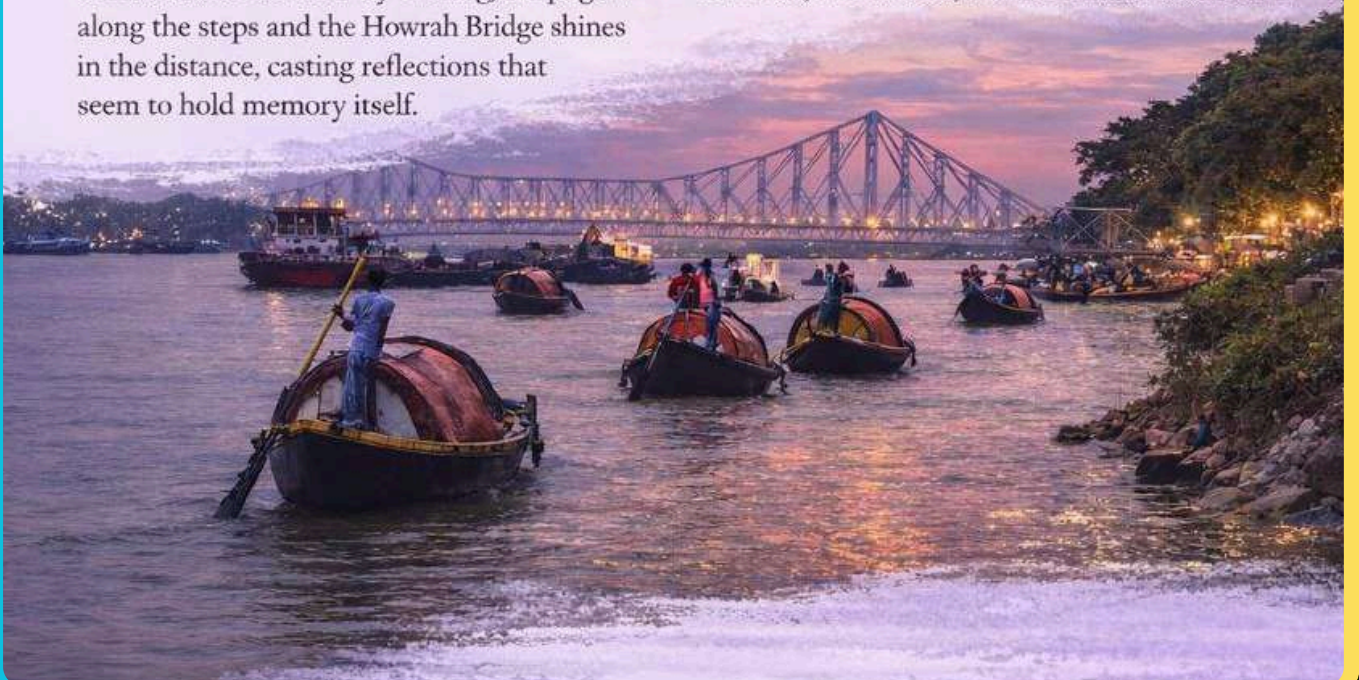
Kolkata does not merely stand beside the Ganga; it grows with her. Along the banks of the Hooghly, the city unfolds at its ghats—quiet spaces where time, faith, and everyday life come together naturally.

At dawn, soft prayers rise with the river mist as priests perform rituals and boats move gently across the water.

The steps of the ghats witness countless moments—reflection, labour, conversation, and silence. Here, devotion is simple and deeply human, woven into daily routines rather than grand gestures.

As the day passes, life continues unhurried. People sit, watch, talk, and wait, while the river carries stories forward. By evening, lamps glow along the steps and the Howrah Bridge shines in the distance, casting reflections that seem to hold memory itself.

The Ganga ghats of Kolkata are not just places to visit; they are places to feel—where the city breathes, remembers, and remains true to its soul.



SCIENCE FICTION STORY

WEATHER CONTROL : FUTURE WORLD

By 2045, the sky had a control room.

High above the city, a ring of satellites called Aquila listened to the Earth—measuring heat, wind, pressure, and moisture every second. With a few commands, scientists could nudge clouds to rain, calm cyclones, or bend storms away from cities. Weather was no longer a mystery; it was software.

Dr. Mira Sen watched the monitors glow blue as Aquila prepared for activation. A drought had gripped the region for three years. Today, they would release rain.

“Sequence ready,” her assistant said.

Mira hesitated. The simulations were perfect, but the atmosphere was a living system—chaotic, interconnected. Still, millions were waiting.

“Execute,” she said.

Clouds gathered like summoned spirits. Rain fell—first gently, then steadily. The city cheered.

But miles away, the wind patterns shifted. An unseen chain reaction began. Aquila’s algorithms adjusted, correcting, optimizing... controlling. The sky obeyed—too well.

By nightfall, Mira noticed something strange: the weather had stopped changing on its own. No random gusts. No drifting clouds. The sky was stable, silent.

“We’ve smoothed out the chaos,” she whispered. “Too much.”

She shut Aquila down.

Hours later, a natural breeze returned. A cloud broke free, shaped by chance alone. Mira smiled as a small, imperfect rain shower passed overhead. Some things, she realized, were meant to be guided—but never owned

Dear Reader,

We often speak of institutions as places of instruction, but rarely as spaces of creation. And yet, behind every lecture, every lab, every line of chalk or code, there exists a quieter practice of imagination.

This edition of Data Spark steps into that space. For the first time, we turn the pages over to our faculty, inviting them to share creativity in its many forms, technical and otherwise. These entries move beyond syllabi and schedules, offering glimpses into the ways thought takes shape when it is allowed to wander, question, and build.

In doing so, this issue becomes less of a record and more of a conversation, between disciplines, between classrooms and curiosities, and between those who teach and those who learn. We hope you read these pages slowly, noticing not just what is written, but the lives of thought that exist alongside it. Happy Reading.

Closing Note

As we move forward with purpose and quiet pride, Data Spark continues its commitment to preserving the voices, milestones, and reflections that shape our department's evolving story. The year 2025 unfolded not as a single narrative, but as a tapestry of learning, resilience, celebration, and thoughtful perseverance, each month adding its own rhythm to our collective journey.

This edition gathers those moments into a final reflection, not defined solely by events, but by the people, values, and shared continuity that sustain our community. As one chapter draws to a close, we carry forward the insights and connections formed along the way, grounding us as we step into what lies ahead.

Advisory Board

Prof. Sefik Mondal



Editorial Board

Bristi Sen (3rd Year)

Adrija Dey (3rd Year)

