NORTH EASTERN COUNCIL
Government of India

Workshop Report

Capacity Building for Academic Excellence in Digital Transformation: AI Integration for North Eastern Region Higher Education

8th December 2025 – 11th December 2025
Venue: Captain Williamson Sangma State University, Balalgre,
West Garo Hills, Meghalaya

Submitted by

Department of Philosophy
Captain Williamson Sangma State University (CWSSU),
Balalgre, Meghalaya

In Collaboration with:
Department of Education (Postgraduate)
St. Anthony's College, Shillong, Meghalaya

Funded by:
North Eastern Council (NEC), Shillong, Meghalaya

ACKNOWLEDGEMENT

This workshop is made possible through the generous funding support from the North Eastern Council (NEC), Shillong, Meghalaya. We express our sincere gratitude for their commitment to advancing higher education in the North Eastern Region and for recognizing the importance of integrating emerging technologies in academic institutions.

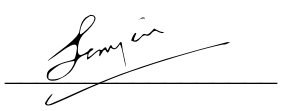
NEC's vision for regional development and educational excellence aligns perfectly with the objectives of this capacity building initiative. Their support enables us to bring together faculty members, administrators, and research scholars from across the Northeast states to build collective capability in AI integration while maintaining the highest standards of academic integrity.

We are deeply appreciative of NEC's continued efforts in fostering collaboration among regional institutions and strengthening the educational ecosystem of Northeast India. This workshop stands as a testament to their dedication to empowering our academic community with the tools and knowledge necessary for excellence in the digital age.

We extend our heartfelt gratitude to Dr. Vasanthi Vijayakumar, Vice Chancellor of Captain Williamson Sangma State University, Meghalaya and Rev. Fr. Dr. Arcadius Puwein, SDB, Principal of St. Anthony's College, Shillong, for their visionary leadership and unwavering support in making this initiative a reality.

We are deeply grateful to our esteemed resource persons – Mr. Lawmna Kima, Mr. Abhishek Kashyap, Dr. Tiatemsu Longkumer, and Dr. Ujjal Marjit – for graciously accepting our invitation and for their willingness to share their expertise with participants in this transformative learning journey.

Our profound appreciation to the organizing committee members, volunteers, and support staff whose tireless commitment and exemplary service have been integral to the organization of this workshop.



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SUMMARY

The four-day workshop on "Capacity Building for Academic Excellence in Digital Transformation: AI Integration for North Eastern Region Higher Education" was successfully conducted from December 8-11, 2025, at Captain Williamson Sangma State University, Tura, Meghalaya. The workshop was organized jointly by the Department of Philosophy, CWSSU, and the Department of Education (Postgraduate), St. Anthony's College, Shillong, with generous funding support from the North Eastern Council (NEC), Shillong, Meghalaya.

Key Highlights:

- Total Participants: 107 participants from across the North Eastern Region.
- Institutional Representation: CWSSU (48 participants), DIET Tura/Rongkhon (34 participants), Mason Phillips Academy (10 participants), St. Anthony's College (1 participant), Ampati Degree College (8 participants), Tura Government College (1 participant), St. Joseph's College Jakhama Nagaland (1 participant), College of Teacher Education Rongkhon (2 participants), North – Eastern Hill University (2 Participants).
- Resource Persons: Four distinguished experts - Mr. Abhishek Kashyap (IIT Guwahati), Mr. Lawmna Kima (LushAITech & EY), Dr. Tiatemsu Longkumer (Royal Thimphu College, Bhutan), and Dr. Ujjal Marjit (University of Kalyani).
- Sessions Conducted: 8 major sessions spanning theoretical foundations to practical applications.
- Tools Demonstrated: 15+ AI tools for research, writing, and academic work.
- Hands-on Activities: Multiple practical sessions with live demonstrations.

The workshop successfully achieved its objectives of building awareness, understanding, and practical competencies around responsible AI use in higher education. Participants gained comprehensive knowledge spanning AI foundations, ethical frameworks, institutional policies, and practical tool usage.

The workshop represented a strategic approach to regional capacity building, bringing together educators from diverse institutions across the Northeast to develop collective expertise in AI integration while maintaining the highest standards of academic integrity and ethical implementation.

CONCEPT NOTE

Capacity Building for Academic Excellence in Digital Transformation: AI Integration for North Eastern Region Higher Education

The North Eastern Region stands at a transformative moment in higher education development. With its remarkable intellectual capital and well-established educational institutions, the region has tremendous potential for educational excellence. However, like many developing regions globally, the Northeast faces the challenge of student and faculty mobility toward metropolitan centers that offer expanded opportunities and resources.

Meanwhile, we stand witness to one of the most profound transformations in educational history—the emergence of Artificial Intelligence as a defining force in learning and knowledge creation. ChatGPT, launched in late 2022, reached 100 million users just two months after being launched, demonstrating the unprecedented adoption of AI-powered tools across global communities. AI tools are transforming industries and professions worldwide, and higher education is no exception.

However, this transformation brings both opportunities and significant ethical considerations. While AI supports students in completing academic tasks, it raises pressing concerns about academic integrity and the authenticity of student work. AI research tools like Elicit, Semantic Scholar, and others are increasingly available, supporting literature reviews, data extraction, and research synthesis. Yet the proliferation of generative AI tools has opened doors to misuse, and AI algorithms trained on historical data often reflect and reproduce existing biases.

The responsible integration of AI in education requires addressing these ethical concerns while leveraging legitimate benefits. As we embrace AI technologies in academic settings, we must ask: How do we maintain scholarly rigor and critical thinking when interacting with AI systems? The answer lies not merely in adopting AI tools, but in developing sophisticated approaches to AI literacy that prioritize critical evaluation over passive consumption.

The integration of AI in academic work requires a paradigm shift from traditional information consumption to active, critical engagement with AI-generated content. Faculty and students must develop the intellectual discipline to question, verify, and critically evaluate AI outputs rather than accepting them at face value. This approach transforms AI from a potential threat to academic integrity into a powerful tool for enhanced scholarly inquiry.

Critical AI engagement involves sophisticated prompt engineering as an academic skill, comprehensive output verification and cross-validation strategies, deep understanding of AI limitations and biases, and iterative refinement approaches. When properly implemented, AI systems become powerful instruments for developing critical thinking skills rather than replacing them.

This capacity building initiative presents Northeast institutions with a strategic opportunity for systematic AI integration. Rather than allowing AI adoption to proceed through ad hoc experimentation, regional institutions can develop structured approaches that ensure effective implementation while maintaining academic rigor. This systematic approach to capacity

building provides opportunities to enhance institutional quality, improve academic standards, and create educational environments that support both student success and faculty development.

The workshop takes a hands-on approach to building AI capabilities across regional institutions. We will work with faculty members and administrators from participating colleges and universities, providing practical training in core AI applications that can be adapted across various academic contexts. Through the workshop, we will help establish connections between faculty working on similar challenges, create shared resources that all institutions can access, and develop ongoing communication channels for continued learning.

Throughout all activities, the workshop places strong emphasis on ethical AI implementation and responsible use. Participants will learn to navigate the challenges of maintaining academic integrity while leveraging AI tools effectively. We will address concerns about bias, privacy, and the appropriate boundaries of AI assistance in academic work.

Through careful implementation that balances innovation with academic integrity, we can ensure that the North Eastern Region becomes recognized for educational excellence, technological innovation, and academic leadership—fulfilling the promise of our rich intellectual heritage while building a foundation for sustainable regional prosperity.

WORKSHOP OBJECTIVES AND EXPECTED OUTCOMES

Workshop Objectives: Building Academic Excellence

1. Establish Regional AI Literacy Framework

To develop comprehensive AI literacy among faculty members, administrators, and research scholars from across all eight Northeast states. Participants will gain practical expertise in AI applications for research, teaching, and institutional management while maintaining the highest standards of academic integrity.

2. Create Sustainable Knowledge Networks

Through train-the-trainer approaches, workshop participants will develop skills to share knowledge within their institutions. Participants will create practical implementation plans that can be adapted to their institutional contexts, supporting continued learning and application beyond the workshop period.

3. Foster Regional Collaboration

To establish collaborative frameworks among Northeast academic institutions for sharing best practices, resources, and innovations. This network will facilitate ongoing peer learning and joint initiatives that amplify our region's collective educational strength.

4. Design Tailored Integration Strategies

Recognizing the diversity of our institutional landscape, we will enable each participating institution to develop AI adoption approaches that align with their specific contexts, disciplines, and student populations. This includes creating practical implementation roadmaps and policy frameworks suitable for varied institutional settings.

5. Ensure Ethical AI Implementation

To equip participants with comprehensive frameworks for responsible AI integration that enhances rather than compromises academic excellence. This objective aligns with NEP 2020's emphasis on ethical technology use and ensures that our institutions adopt AI technologies in ways that strengthen scholarly values and educational integrity.

6. Transform Research and Teaching

Through hands-on experience with AI tools, participants will discover practical applications in research design, data analysis, literature review, and pedagogical innovation. These skills will immediately enhance professional effectiveness and institutional contributions.

Expected Outcomes

This workshop will create meaningful changes that extend well beyond individual skill development. By equipping faculty members with practical AI literacy, we establish a foundation for sustained technological integration across Northeast institutions. Participants

will return to their institutions with concrete implementation strategies that can be adapted to their specific contexts and resources.

The collaborative network established through this initiative will foster ongoing knowledge sharing and peer learning among regional institutions. This interconnected approach amplifies individual institutional efforts, creating collective capacity that strengthens the entire regional higher education ecosystem. Faculty members will continue to support each other through shared resources, best practices, and collaborative problem-solving approaches developed during the workshop.

As institutions implement AI tools in their research, teaching, and administrative processes, students will benefit from enhanced learning experiences and improved educational quality. Faculty members equipped with modern technological skills will be better positioned to engage students and conduct relevant research. This improvement in educational delivery naturally contributes to making regional institutions more attractive to both current and prospective students.

The workshop's emphasis on ethical AI implementation ensures that technological advancement serves educational values rather than compromising them. By building responsible AI practices from the outset, participating institutions will be well-positioned to navigate the evolving technological landscape while maintaining academic integrity and scholarly standards.

Over time, these institutional improvements contribute to the broader goals of regional educational development and national policy implementation. The enhanced capabilities of regional institutions support both local community needs and national priorities for technological advancement in education, creating sustainable benefits that align with long-term development objectives.

This workshop represents a strategic approach to educational enhancement and regional development. By embracing AI technologies thoughtfully and collaboratively, we can strengthen the Northeast's position as a dynamic region of educational quality that attracts rather than loses talent.

The success of this initiative will be measured not only by immediate skill development but by its lasting impact on institutional capabilities, regional collaboration, and our collective ability to provide high-quality education that serves both local communities and national development goals.

Through careful implementation that balances innovation with academic integrity, we can ensure that the North Eastern Region becomes recognized for educational excellence, technological innovation, and academic leadership—fulfilling the promise of our rich intellectual heritage while building a foundation for sustainable regional prosperity.

WORKSHOP OVERVIEW

Organized by: Department of Philosophy, Captain Williamson Sangma State University (CWSSU), Tura, in collaboration with Department of Education (Postgraduate), St. Anthony's College, Shillong

Duration: Four Days (December 8th -11th, 2025)

Venue: Captain Williamson Sangma State University, Balalgre, West Garo Hills, Meghalaya

Timing: 10:00 AM – 2:30 PM (IST) daily

Mode: Offline

Workshop Team

Chief Patron:
Dr. Vasanthi Vijayakumar
Vice Chancellor, Captain Williamson Sangma State University, Meghalaya

Patron:
Rev. Fr. Dr. Arcadius Puwein, SDB
Principal, St Anthony's College, Shillong

Convener:
Dr. Temjenkala Jamir (Head-in Charge)
Department of Philosophy, CWSSU

Coordinator:
Dr. Sharon Lalremruati Zadeng (Assistant Professor)
Department of Education (Postgraduate), St Anthony's College, Shillong

Co-Coordinator:
Ms. Darihun J. Kharnongrum (Head)
Department of Education (Postgraduate), St Anthony's College, Shillong

Organizing Committee Members:

- Dr. Rajesh M. Marak (Assistant Professor), Department of Philosophy, CWSSU
- Mr. Steward G. Momin (Assistant Professor), Department of Philosophy, CWSSU
- Dr. Vilhousienuo Neli (Assistant Professor), Department of Anthropology, CWSSU
- Dr. Kitbok Nongkynrih (Assistant Professor), Department of Education (PG), St. Anthony's College
- Dr. Wanrimaya Kharmawshun (Assistant Professor), Department of Education (PG), St. Anthony's College
- Mr. Earic Wanlambok Sohtun (Assistant Professor), Department of Political Science, CWSSU

DAILY SESSION REPORTS

DAY 1: DECEMBER 8, 2025 (MONDAY)

Inaugural Session (10:00 AM - 11:00 AM)

Emcee: Mr. Earic Wanlambok Sohtun, Organizing Committee Member

The workshop commenced with a formal inaugural session that set the tone for the four-day capacity building initiative. Dr. Temjenkala Jamir, Convener of the workshop, delivered the welcome address and introduced the workshop theme and objectives. The address emphasized the critical importance of responsible AI integration in higher education institutions across the North Eastern Region and outlined the comprehensive approach the workshop would take to build institutional capacity.

Dr. Rajesh M. Marak, Organizing Committee Member, felicitated the dignitaries present at the inaugural function, acknowledging their support and encouragement for this transformative initiative.

Speech by Guest of Honour:

Smt. Singje Ch. Marak, Deputy Registrar of CWSSU, addressed the gathering as the Guest of Honour. In her speech, she highlighted the university's commitment to technological advancement and innovation in education. She emphasized that as the first state university of Meghalaya, CWSSU has a responsibility to lead in adopting emerging technologies while maintaining the highest academic standards. She encouraged participants to approach the workshop with open minds and active engagement, noting that the knowledge gained would benefit not only individual faculty members but entire institutions and ultimately, the students they serve.

Address by Patron (Video Message):

Rev. Fr. Dr. Arcadius Puwein, SDB, Principal of St. Anthony's College, Shillong, delivered his address through a video message. He spoke about St. Anthony's College's long-standing commitment to quality education and its role in advancing higher education in the North-East. He emphasized that the collaboration between CWSSU and St. Anthony's College represents the spirit of regional cooperation essential for collective advancement. He blessed the workshop and wished all participants a fruitful learning experience.

Special Number:

The Department of Philosophy, CWSSU, presented a special cultural performance that reflected the rich cultural heritage of Meghalaya and set a welcoming tone for participants from across the region.

Inaugural Address by Chief Guest:

Smt. Hema Nayak (IAS), Deputy Commissioner of South West Garo Hills District, delivered the inaugural address as Chief Guest. She spoke eloquently about the transformative potential of artificial intelligence in education and governance. Drawing from her administrative experience, she highlighted how AI tools are being integrated into various government services and emphasized the importance of building capacity among educators who will prepare the next generation for an AI-enabled world. She commended the organizing institutions for taking this timely initiative and the North Eastern Council for supporting such capacity building programs. She officially inaugurated the workshop and wished all participants success in their learning journey.

The inaugural session concluded with the National Anthem, followed by a tea break from 11:00 to 11:30 AM.

Session I & II: Predictions and Explanations Using LLMs & Ethics of AI

Resource Person: Mr. Abhishek Kashyap, Assistant Professor of Philosophy, IIT Guwahati
Session I: 11:30 AM - 1:00 PM
Lunch Break: 1:00 PM - 1:30 PM
Session II: 1:30 PM - 3:00 PM

Session I: Foundations and History of AI

The first technical session commenced with an intensive exploration of Artificial Intelligence, focusing particularly on Large Language Models (LLMs), their capacities, limitations, and implications for academic and research environments. Mr. Kashyap opened the session with a comprehensive overview encompassing the history of AI, implementation methods, hallucinations, predictions, trust, and their significance in classrooms and research contexts.

The historical trajectory of AI was traced from its philosophical roots in Descartes' ideas on automata and early conceptions of machine consciousness through to modern philosophical debates. The session examined Searle's Chinese Room argument, which distinguishes between Strong AI (possessing genuine understanding) and Weak AI (simulating intelligence without consciousness). This philosophical foundation set the stage for understanding contemporary AI systems.

Mr. Kashyap then addressed how intelligence is defined and measured, highlighting Turing's Test as a foundational benchmark while also discussing alternative models for evaluating machine reasoning. The discussion emphasized the complexity of defining intelligence and the ongoing debates about whether machines can truly possess it.

The emergence of AI as a formal discipline was traced to the landmark 1956 Dartmouth Conference, which envisioned simulating all aspects of intelligence through machines. The session chronicled the evolution from logic-based computation to neural networks and connectionism, with diagrams illustrating deep neural networks and their training processes.

Three primary learning paradigms were explained: supervised learning (learning from labeled examples), unsupervised learning (finding patterns in unlabeled data), and reinforcement learning (learning through trial and error with rewards).

The session concluded with an introduction to Large Language Models, with Mr. Kashyap emphasizing a crucial limitation: such models fundamentally "append text" rather than truly answer or understand prompts. This insight would prove central to understanding the challenges discussed in subsequent sessions.

Session II: Limitations, Ethics, and Practical Applications

Following the lunch break, participants reconvened for the second session, which focused on the limitations, ethical considerations, and challenges inherent in LLMs. Mr. Kashyap introduced the critique of LLMs as "stochastic parrots," a term highlighting that these systems generate statistically patterned text without genuine understanding or consciousness. This characterization challenged participants to think critically about the nature of AI-generated content.

A significant portion of the session addressed the phenomenon of hallucinations in AI systems. These are confident but incorrect outputs caused by various factors including flawed training data, weak contextual understanding, or inherent limitations in the training process. The concept of epistemic opacity was introduced to explain why the inner workings of AI systems often cannot be fully traced or interpreted, even by their creators. This "black box" nature of deep learning systems poses challenges for accountability and trustworthiness.

The session examined the crucial distinction between prediction and explanation using scientific examples. Mr. Kashyap illustrated that accurate prediction alone does not constitute genuine understanding. A model might correctly predict outcomes without grasping the underlying causal mechanisms. This distinction is particularly important in academic settings where understanding is valued over mere pattern recognition.

The interpretability-performance trade-off was highlighted: more complex, higher-performing models are often less interpretable, while simpler, more transparent models may sacrifice accuracy. The limitations of Explainable AI (XAI) were discussed, acknowledging that current methods for making AI decisions interpretable remain imperfect.

Ethics of AI was a major focus of Session II. The discussion on trust analyzed why explainability matters for accountability, value alignment, and user confidence. Mr. Kashyap addressed ethical concerns including:

- Bias and Fairness: How AI systems can perpetuate or amplify existing societal biases
- Privacy Concerns: The implications of data collection and usage in AI training
- Transparency and Accountability: The responsibility of AI developers and users
- Academic Integrity: Challenges of distinguishing between legitimate AI assistance and academic dishonesty

- Equity and Access: Ensuring AI tools don't create new forms of educational inequality

The day concluded with practical implications for academic integration. In research contexts, participants were advised to be mindful of the "Garbage In, Garbage Out" (GIGO) principle and to use AI to explore hypotheses rather than replace human reasoning. For classroom settings, recommendations included providing proper context to AI systems, using few-shot examples to guide outputs, and avoiding over-reliance on AI tools, especially for conceptual or discipline-heavy content that requires deep understanding.

A group activity and open discussion allowed participants to reflect on the day's learning and raise questions about implementing these concepts in their own teaching and research contexts.

Overall, Day 1 provided participants with a critical and comprehensive understanding of AI's predictive power, its fundamental lack of true explainability, the ethical dimensions of AI use, and the need for thoughtful, measured integration in academic settings.

DAY 2: DECEMBER 9th, 2025 (TUESDAY)

Sessions III & IV: AI Literacy and Responsible AI Integration

Resource Person: Mr. Lawmna Kima, CEO LushAITech & Executive Director - AI & Data Practice, EY GDS India

Session III: 10:00 AM - 11:30 AM - AI Literacy for Academic Excellence
Tea Break: 11:30 AM - 11:45 AM
Session IV: 11:45 AM - 1:15 PM - Responsible AI Integration in Higher Education
Lunch Break: 1:15 PM - 1:45 PM
Group Activity/Discussion: 1:45 PM - 2:30 PM

Session III: AI Literacy for Academic Excellence

Day 2 shifted focus to building institutional capacity for Responsible AI Integration and developing AI literacy across academic functions. Mr. Lawmna Kima began by contextualizing the inception of AI, referencing a significant 2017 publication that marked a turning point in the field. He carefully explained the distinction between Generative AI (GenAI) and Agentic AI, clarifying that GenAI generates content based on patterns and prompts, while Agentic AI performs autonomous, goal-oriented actions with greater independence and decision-making capacity.

The session focused on using AI to improve research, teaching, and academic productivity without losing critical thinking. Mr. Kima emphasized that AI should be viewed as a tool to augment human intelligence, not replace it. Key areas covered included:

AI in Research:

- Using AI tools for literature review and research discovery
- Leveraging AI for data analysis and pattern recognition

- Employing AI for hypothesis generation and testing
- Maintaining critical evaluation of AI-generated insights

AI in Teaching:

- Designing AI-enhanced learning experiences
- Using AI for personalized student feedback
- Creating interactive and adaptive learning materials
- Balancing AI assistance with pedagogical judgment

AI for Academic Productivity:

- Automating routine administrative tasks
- Using AI for efficient information organization
- Leveraging AI for writing assistance while maintaining authenticity
- Time management and workflow optimization with AI tools

Throughout the session, Mr. Kima stressed the importance of maintaining critical thinking skills even when using AI tools. He introduced the concept of "AI literacy" as an essential 21st-century competency for educators, encompassing not just technical skills but also critical evaluation, ethical awareness, and pedagogical integration.

Session IV: Responsible AI Integration in Higher Education

The second session delved into how institutions adopt AI systematically while protecting academic integrity and ethics. This session addressed the critical challenge of moving from scattered, individual AI use to structured, policy-aligned institutional models.

Mr. Kima presented the five critical outcomes that should guide any Responsible AI Institutional Plan:

1. Clear Use-Cases: Identifying specific, appropriate applications of AI within the institution
2. Governance and Policies: Establishing frameworks for oversight and accountability
3. Preserving Assessment Integrity: Ensuring that AI does not compromise academic evaluation
4. Ethical Foundations: Grounding AI use in ethical principles and values
5. Implementation Roadmaps: Creating practical, phased plans for AI integration

Five-Pillar Operating Model:

The session presented a comprehensive five-pillar operating model essential for institutional AI deployment:

1. Governance: Oversight structures and decision-making processes
2. Policy Standards: Clear guidelines for acceptable and prohibited uses
3. Assessment Integrity: Mechanisms to maintain academic honesty
4. Privacy & Security: Protection of sensitive data and information
5. Training: Capacity building for faculty, staff, and students

AI Steering Committee:

A key recommendation was the formation of an AI Steering Committee to guide institutional rollout. This cross-functional body would include representatives from academic departments, IT, administration, and ethics/compliance to ensure comprehensive oversight.

Policy Guidelines:

Detailed policy guidelines were outlined covering:

- Acceptable AI uses (research assistance, writing improvement, data analysis)
- Prohibited uses (plagiarism, falsification, unauthorized collaboration)
- Disclosure norms requiring transparency when AI is used in academic work
- Mechanisms to manage academic misconduct involving AI tools

The session emphasized that policies should be enabling rather than restrictive, guiding appropriate use while preventing misuse.

Data Privacy and Security:

Strong emphasis was placed on data privacy, with explicit warnings against uploading confidential documents into public AI tools. Mr. Kima explained how data entered into commercial AI systems may be used for training, potentially exposing sensitive institutional or personal information. This discussion highlighted the importance of using secure, institutional AI solutions for sensitive work.

Practical Tools Demonstration:

Participants were introduced to several practical tools:

- Hugging Face: A platform hosting open-source AI models and datasets
- Google Colab: A cloud-based environment for running AI code
- Figma.com: A design tool with AI-enhanced features
- Elicit: An AI research assistant for literature review
- NoteLM: A tool for organizing and analyzing research notes

Hands-On Activity: Responsible ChatGPT Use

The afternoon session featured a practical segment that guided participants through responsible and effective use of ChatGPT. The activity focused on four key areas:

1. Crafting Clear Prompts: Learning to write specific, well-structured prompts that yield useful outputs
2. Verifying AI Outputs: Developing habits of fact-checking and validation
3. Avoiding Misuse: Understanding boundaries between appropriate assistance and academic dishonesty
4. Ensuring Transparency: Practicing proper disclosure and attribution

Participants engaged in hands-on practice, generating and iteratively refining prompts to achieve accurate and ethical outputs. This experiential learning helped bridge the gap between theoretical understanding and practical application.

Group Activity and Open Discussion

The day concluded with group activities where participants worked in teams to develop preliminary AI integration plans for their respective institutions. Each group discussed:

- Institutional readiness for AI adoption
- Potential challenges and barriers
- Priority areas for AI integration
- Policy considerations specific to their context

The Q&A session allowed participants to clarify concerns about responsible AI use, assessment integrity, and data security. Questions addressed real-world scenarios and institutional challenges in implementing AI policies.

The day concluded with the key message that institutions must embrace AI responsibly, balancing innovation with ethics and academic integrity. The framework presented provided a roadmap for thoughtful institutional adoption rather than reactive or unplanned integration.

DAY 3: DECEMBER 10th, 2025 (WEDNESDAY)

Sessions V & VI: Understanding Generative AI

Resource Person: Dr. Tiatemsu Longkumer, Senior Lecturer, Royal Thimphu College, Bhutan

Session V: 10:00 AM - 11:30 AM - Inside Generative AI: Mechanics, Ethics, and the Politics of Knowledge
Tea Break: 11:30 AM - 11:45 AM
Session VI: 11:45 AM - 1:15 PM - Rethinking Higher Education through Generative AI

Lunch Break: 1:15 PM - 1:45 PM
Group Activity/Discussion: 1:45 PM - 2:30 PM

Opening and Recap

Day 3 began with an interactive recap session designed to consolidate learning from the previous two days. Dr. Longkumer encouraged participants to share key takeaways and insights they had gained, creating a collaborative learning environment. This approach helped identify areas needing clarification and built continuity across the workshop sessions.

Setting the stage for the day's focus on Understanding Generative AI, Dr. Longkumer emphasized the rapid pace of AI evolution, noting that the field transforms roughly every six months. This rapid advancement underscores the importance of continuous learning in higher education, where faculty and students must remain current with technological developments that increasingly impact academic work.

Session V: Inside Generative AI: Mechanics, Ethics, and the Politics of Knowledge

The first session provided a foundational introduction to Machine Learning and the architectural principles underlying Generative AI models. Drawing from detailed presentation slides and his research in digital anthropology and technology studies, Dr. Longkumer explained how neural networks and Transformer systems function.

Technical Foundations:

A key focus was the attention mechanism, which allows these systems to process information more effectively than traditional models. The speaker elaborated on the technical components of attention mechanisms, specifically Query, Key, and Value vectors. These mathematical constructs enable AI systems to interpret context and determine which parts of input data are most relevant for generating coherent responses. This explanation demystified how large language models can maintain context across long conversations and generate relevant outputs.

This technical foundation helped participants understand that AI systems don't "think" in human terms but rather perform sophisticated pattern matching and statistical prediction based on vast amounts of training data.

Ethics of Generative AI:

Dr. Longkumer then shifted to the ethical dimensions of generative AI, examining:

- Bias and Representation: How training data shapes what AI systems can generate and whose perspectives are represented
- Intellectual Property: Questions about authorship, ownership, and attribution of AI-generated content
- Misinformation: The potential for AI to generate convincing but false information
- Environmental Impact: The significant energy consumption of training and running large AI models

Politics of Knowledge:

A unique contribution of this session was Dr. Longkumer's anthropological perspective on the politics of knowledge in AI systems:

- Whose Knowledge? Examining which voices, cultures, and epistemologies are represented in AI training data
- Power Dynamics: Understanding who controls AI development and deployment
- Epistemic Justice: Ensuring diverse knowledge systems are recognized and valued
- Digital Colonialism: The risk of AI reinforcing Western/dominant cultural perspectives
- Access and Equity: Who benefits from AI development and who is left behind

This critical perspective encouraged participants to think beyond technical implementation to consider broader social, cultural, and political implications of AI adoption in educational contexts.

Session VI: Rethinking Higher Education through Generative AI: Practical Approaches for Teaching, Assessment, and Research

The second session focused on practical approaches for teaching, assessment, and research in the context of generative AI. Dr. Longkumer drew from his teaching experience at Royal Thimphu College and his forthcoming publication with the Royal Anthropological Institute on Generative AI in teaching and learning.

Prompt Engineering: Types and Techniques

A major focus of the session was the different types of prompts that significantly influence the quality and usefulness of AI outputs. Dr. Longkumer outlined six key categories:

1. Task Prompts: Clearly stating what the AI should do
2. Context Prompts: Providing background information to guide the response
3. Exemplar Prompts: Including examples (one-shot or few-shot learning)
4. Personal Prompts: Customizing based on user needs or perspective
5. Format Prompts: Specifying desired output structure
6. Tone Prompts: Indicating appropriate style or voice

These categories were linked to specific prompting techniques demonstrated in the slides:

- Zero-shot Prompting: Asking the AI to perform a task without examples
- Contextual Prompting: Embedding the request within relevant context
- Role Prompting: Asking the AI to adopt a specific persona or expertise
- Step-back Prompting: Requesting broader context before specific details

- Multimodal Prompting: Combining text, images, or other input types

This comprehensive framework demonstrated how effective prompt design enhances AI accuracy, relevance, and usefulness. Participants learned that the quality of AI outputs depends heavily on the quality and clarity of inputs.

AI Model Types and Classifications

Dr. Longkumer explained the distinction between different kinds of AI models:

Thinking Models: These models are capable of reasoning, structured explanations, and multi-step problem solving. They can break down complex questions and provide logical, step-by-step responses.

Non-Thinking Models: These focus primarily on pattern recognition and generation without deeper reasoning capabilities. They excel at tasks like text completion, translation, or summarization but lack the capacity for complex reasoning.

Participants were also introduced to the classification of models based on accessibility and cost:

- Open-Source Models: Freely available, modifiable, and transparent, but requiring technical expertise to deploy
- Free Models: Available at no cost with usage limits, suitable for individual use
- Paid Models: Commercial offerings with advanced capabilities, better support, and higher usage limits

Each category was discussed in terms of advantages and limitations for institutional use, helping participants understand trade-offs between cost, capability, control, and support.

Advanced AI Prompting Techniques

The session introduced sophisticated prompting methods that encourage deeper reasoning:

Chain-of-Thought Prompting: This technique explicitly asks the AI to show its reasoning process step-by-step. Rather than jumping to conclusions, the model works through problems sequentially, often producing more accurate and transparent results.

Tree-of-Thought Prompting: This advanced method encourages exploration of multiple reasoning paths simultaneously, allowing the AI to consider different perspectives or approaches before converging on an answer. It's particularly useful for complex problems with multiple viable solutions.

Reinforcement Learning and Self-Consistency:

The session also covered two important concepts in AI system refinement:

- Reinforcement Learning: A training approach where AI systems learn through trial and error, receiving feedback that helps them improve performance over time

- Self-Consistency: A technique where the AI generates multiple reasoning paths and checks for consistency across them, improving reliability and reducing errors

Rethinking Teaching and Assessment:

Dr. Longkumer presented practical strategies for adapting teaching and assessment practices:

- Assignment Redesign: Moving from assignments easily completed by AI to those requiring critical thinking, creativity, and personal reflection
- Process-Oriented Assessment: Evaluating student thinking processes rather than just final outputs
- AI-Integrated Pedagogy: Designing learning activities that explicitly incorporate AI tools while building critical evaluation skills
- Authentic Assessment: Creating assessments connected to real-world contexts that require genuine understanding

Research Applications:

The session concluded with discussion of how generative AI can support research while maintaining scholarly rigor:

- Using AI for literature review and synthesis
- Employing AI for data analysis and visualization
- Leveraging AI for research writing assistance
- Maintaining critical evaluation and verification practices

Following the theoretical discussion, a tea break provided time for participants to reflect on these ideas and exchange insights on how these approaches could be practically integrated into their classroom teaching and research practices.

Group Activity and Q&A Session

Following lunch, a lively group activity and Q&A session allowed participants to explore questions on responsible AI use, the reliability of AI-generated outputs, and practical ways to apply Generative AI meaningfully in teaching, research, and academic tasks. Questions ranged from technical details about specific tools to broader concerns about academic integrity and pedagogical effectiveness.

The interaction demonstrated strong engagement and growing confidence among participants in integrating AI tools into higher education contexts. The session revealed that participants were moving beyond anxiety about AI to thoughtful consideration of how to leverage these tools effectively while maintaining academic standards.

DAY 4: DECEMBER 11th, 2025 (THURSDAY)

Sessions VII & VIII: AI-Powered Academic Research: Tools, Techniques & Best Practices

Resource Person: Dr. Ujjal Marjit, Head, Centre for Information Resource Management, University of Kalyani

Session VII: 10:00 AM - 11:30 AM - AI Tools for Research (Theory)
Tea Break: 11:30 AM - 11:45 AM
Session VIII: 11:45 AM - 1:15 PM - AI Tools for Research (Practical Session)
Group Activity/Discussion & Q&A
Lunch Break: 1:15 PM - 1:45 PM

Session VII: Introduction and Core Concepts

The fourth day, led by Dr. Ujjal Marjit, focused on understanding the effective and responsible use of Artificial Intelligence in academics and research with a comprehensive, tools-oriented approach. Dr. Marjit began by explaining why AI has become an increasingly important tool in higher education, while simultaneously cautioning that using technology without proper understanding can be a major drawback. His central message emphasized that when applied thoughtfully and with appropriate knowledge, AI can significantly enhance both the quality of academic work and overall productivity.

Drawing from his extensive experience with over 80 research publications and numerous faculty development programmes conducted at premier institutions including IITs, IIM Kolkata, BHU, NEHU, and universities across India, Dr. Marjit provided both theoretical grounding and practical demonstrations.

Generative AI Foundations:

Dr. Marjit introduced Generative AI as a versatile branch of artificial intelligence capable of producing new content across multiple formats including text, audio, video, and code. Through live demonstrations, he showed the effective use of ChatGPT, providing real-time examples of how careful prompting produces useful academic outputs.

Large Language Models and Technical Foundations:

The session included detailed explanation of how Large Language Models (LLMs) are trained on large-scale internet data, involving billions of parameters and vast text corpora. Dr. Marjit highlighted the critical issue of AI hallucinations—instances where AI confidently presents false or fabricated information. He emphasized the absolute necessity of verification for all AI-generated outputs, particularly in research contexts where accuracy is paramount.

Retrieval-Augmented Generation (RAG):

A significant portion of the session focused on Retrieval-Augmented Generation (RAG), an advanced technique that improves AI accuracy by combining information retrieval with text generation. Rather than relying solely on the model's training data, RAG systems retrieve relevant information from external sources and incorporate it into responses. This approach

significantly reduces hallucinations and improves factual accuracy, making it particularly valuable for research applications.

Dr. Marjit demonstrated how RAG systems work in practice, showing how they can access current information and specific documents to provide more reliable, grounded responses than standard generative models.

Prompt Engineering in Depth:

Special emphasis was placed on prompt engineering as a critical skill for effective AI use. Dr. Marjit stressed the importance of several key elements:

- Clear Prompts: Specific, unambiguous instructions that guide the AI precisely
- Appropriate Tone: Matching the formality and style to the intended use
- Context: Providing necessary background information
- Role Assignment: Asking the AI to adopt relevant expertise or perspective

Different prompt types were illustrated with concrete examples:

- Instructional Prompts: Direct commands specifying what to do
- Question-Based Prompts: Inquiries that elicit informative responses
- Role-Based Prompts: Asking the AI to assume expert personas
- Few-Shot Prompts: Providing examples to guide output style
- Zero-Shot Prompts: Asking for outputs without prior examples

These practical demonstrations helped participants understand how subtle changes in prompt construction can dramatically affect output quality and relevance.

Session VIII: Practical Demonstrations and Tools

The second half of the day was dedicated to extensive hands-on demonstrations of AI tools specifically designed for academic research.

Copilot AI and Content Creation Tools:

Live demonstrations included the use of Copilot AI alongside other content creation tools. These demonstrations showed how AI can assist with drafting, editing, and refining academic writing while maintaining the author's voice and intent. Participants saw firsthand how these tools function as assistants rather than replacements for human expertise.

Agentic AI and Collaborative Systems:

The session covered Agentic AI, explaining how multiple AI agents can collaborate to generate consolidated outputs. This approach mirrors human teamwork, with different AI agents handling specialized tasks and combining their outputs. Examples included research workflows

where one agent finds sources, another summarizes them, and a third synthesizes findings into coherent analysis.

NotebookLM for Research Support:

Dr. Marjit demonstrated NotebookLM, a powerful tool for research support that offers several key features:

- Summarization: Condensing lengthy documents into key points
- Question-Answering: Extracting specific information from uploaded sources
- Mind-Mapping: Visual representation of document structure and relationships

The mind-map feature proved particularly impressive, revealing the internal structure and conceptual relationships within academic documents. This visual approach helps researchers quickly understand complex papers and identify key connections.

Literature Review and Academic Search Tools:

A comprehensive segment introduced various AI tools specifically designed for literature review and academic writing:

1. Elicit - AI research assistant for systematic reviews and literature discovery
2. Connected Papers - Visual tool showing relationships between research papers, helping identify key works and research trends
3. Inciteful - Platform for discovering similar papers and building comprehensive literature reviews
4. SciSpace - AI-powered tool for understanding research papers, including explanation of complex concepts
5. The Literature - Research discovery platform for tracking citations

Academic Search Engines:

These specialized tools were compared with established academic search engines:

- BASE (Bielefeld Academic Search Engine) - One of the world's most voluminous search engines for academic web resources
- CORE - Aggregating open access research papers from repositories worldwide

This comparison helped participants understand the landscape of research discovery tools and when to use specialized AI tools versus traditional search engines.

AI Detection and Humanization Tools:

Dr. Marjit addressed the growing concern about AI-generated academic content by introducing tools for detecting AI-generated text and plagiarism:

- ZeroGPT - Detection software that analyzes text characteristics to identify AI generation patterns
- Various plagiarism detection tools integrated with AI detection capabilities

Conversely, tools for humanizing AI outputs were also discussed. These tools modify AI-generated text to make it less detectable while maintaining meaning and quality. This discussion prompted important ethical considerations about transparency and academic integrity, with Dr. Marjit emphasizing that the goal should be transparency rather than concealment.

Advanced ChatGPT Features:

The demonstration of deep research in ChatGPT showed how the platform's advanced features can conduct comprehensive research on complex topics, synthesizing information from multiple angles and providing detailed, sourced responses. Participants learned about:

- Using web search integration for current information
- Conducting multi-step research queries
- Synthesizing information from multiple sources
- Citing and verifying sources

Writing Enhancement Tools:

Trinka was introduced as a specialized tool for grammar correction and academic writing improvement. Unlike general grammar checkers, Trinka is specifically designed for academic and technical writing, understanding discipline-specific conventions and terminology. Features demonstrated included:

- Grammar and spelling correction
- Style improvement for academic writing
- Subject-specific language enhancement
- Consistency checking

Overcoming Writer's Block:

The session concluded with practical strategies for overcoming writer's block using AI tools:

- Writefull - For title and abstract generation
- Various abstract generators for different disciplines
- AI-assisted outline creation
- Brainstorming and idea generation techniques

These tools were positioned not as replacements for scholarly creativity but as catalysts for overcoming initial barriers and generating ideas that researchers can then refine and develop.

Group Activity and Open Discussion:

Participants engaged in hands-on practice with various tools, working in groups to:

- Conduct sample literature reviews using AI tools
- Practice prompt engineering for research tasks
- Evaluate AI-generated content for accuracy and usefulness
- Discuss ethical considerations in their own research contexts

Ethical Closing:

Dr. Marjit concluded by emphasizing ethical, responsible, and integrity-driven use of AI in academic and research practices. He stressed that all these powerful tools must be employed with:

- Transparency: Always disclosing when AI tools have been used
- Proper Attribution: Citing sources and acknowledging AI assistance appropriately
- Verification: Never accepting AI outputs without critical evaluation
- Enhancement, Not Replacement: Using AI to augment human expertise, not substitute for human judgment

The message reinforced themes from earlier days: AI is a tool to augment human capability, not substitute for human judgment and expertise.

VALEDICTORY SESSION

Date: December 11th , 2025
Time: 1:45 PM - 2:30 PM

Workshop Reflection

The Valedictory Session marked the formal conclusion of the four-day workshop and was organized in a reflective and appreciative manner. The session commenced with a comprehensive report on the workshop proceedings, presented by Mr. Steward G. Momin, Assistant Professor in the Department of Philosophy, CWSSU, Tura.

Mr. Momin's report highlighted the workshop objectives, key sessions, expert interactions, and learning outcomes achieved over the four days. He emphasized the relevance of the workshop theme in the current academic landscape, where AI is rapidly transforming teaching, learning, and research practices. The active participation of students and faculty members throughout the programme was noted as a particular success, demonstrating strong engagement with the material and genuine interest in developing AI competencies.

He reflected on the journey from Day 1's philosophical foundations through Day 2's institutional frameworks, Day 3's deep dive into generative AI mechanics and pedagogy, to Day 4's extensive practical tool demonstrations. The progression from theory to practice, from critical understanding to hands-on application, had equipped participants with both the knowledge and skills to implement AI responsibly in their institutions.

Participant Feedback

Participants shared their experiences and reflections, providing diverse perspectives on the workshop's impact. The participants uniformly expressed appreciation for the well-structured sessions, which built logically from foundational concepts to practical applications. The insightful deliberations by the resource persons were praised for their clarity, relevance, and accessibility.

Participants emphasized the practical relevance of the topics discussed, noting that the workshop provided immediately applicable knowledge rather than purely theoretical content. They acknowledged that the workshop significantly enhanced both their understanding of AI concepts and their practical skills in using AI tools responsibly. The workshop was consistently described as timely and beneficial given the current academic and technological context, where AI literacy is becoming essential for educational professionals.

Several participants noted:

- The value of learning from experts with diverse perspectives (philosophy, industry, anthropology, library science)
- The importance of ethical frameworks presented throughout the workshop
- The practical utility of hands-on demonstrations and tools
- The collaborative learning environment that encouraged peer exchange

- The relevance of the content to their specific institutional contexts

Valedictory Address and Closing Remarks

The Valedictory Address and Closing Remarks were delivered by Shri D. K. Newar, MFS (Retd.), Finance Officer, Captain Williamson Sangma State University (CWSSU). In his thoughtful address, Shri Newar reflected on the profound transformation of access to knowledge across generations.

He reminisced about a time in his youth when even television was not readily available, contrasting it sharply with today's digital era where vast amounts of information are accessible instantly at one's fingertips. This generational perspective underscored how rapidly technology has transformed society and highlighted the responsibility of educational institutions to prepare students for this digital world.

Shri Newar emphasized the critical importance of workshops like this in empowering the younger generation to make meaningful and responsible use of available technologies. Rather than simply accepting technological change passively, educators and students must develop critical understanding and ethical frameworks for technology use.

Speaking candidly about institutional realities, Shri Newar addressed the financial constraints faced by the University. He expressed encouragement at the growing support through external funding for organizing academic programmes of this nature, noting that such funding partnerships enable universities with limited resources to provide high-quality professional development opportunities for their faculty and students.

He specifically applauded the Department of Philosophy, CWSSU, in collaboration with the Department of Education (Postgraduate), St. Anthony's College, for successfully organizing a workshop on a topic that is truly the need of the hour. The choice of theme and the quality of execution demonstrated institutional commitment to remaining current and relevant in a rapidly changing educational landscape.

He concluded by encouraging participants to carry forward the knowledge gained, to share it within their institutions, and to become ambassadors for responsible AI integration in the North Eastern Region.

Following the address, certificates were distributed to all participants in recognition of their active participation and successful completion of the four-day workshop. The certificate ceremony formalized participants' achievement and provided tangible recognition of their professional development.

Vote of Thanks

The session concluded with a Vote of Thanks proposed by Dr. Sharon Lalremruati Zadeng, Coordinator of the workshop. Dr. Zadeng expressed sincere gratitude to multiple groups who contributed to the workshop's success.

OUTCOMES AND IMPACT ASSESSMENT

Learning Outcomes Achieved

The workshop successfully delivered on its intended learning outcomes, with participants demonstrating:

1. Conceptual Understanding

- Comprehensive grasp of AI fundamentals, including neural networks, transformers, and LLM architecture
- Clear understanding of distinctions between different AI types (Generative vs. Agentic, Thinking vs. Non-Thinking models)
- Awareness of AI limitations including hallucinations, biases, and epistemic opacity
- Understanding of the philosophical and ethical foundations of AI
- Knowledge of the politics of knowledge in AI systems

2. Critical Thinking Skills

- Ability to critically evaluate AI outputs for accuracy and appropriateness
- Understanding of when AI is suitable versus when human expertise is essential
- Recognition of ethical implications and potential misuse scenarios
- Capacity to analyze bias and fairness issues in AI systems
- Skills in questioning and verifying AI-generated content

3. Practical Competencies

- Proficiency in prompt engineering across multiple categories and techniques
- Hands-on experience with 15+ AI tools for research and academic writing
- Ability to verify and validate AI-generated content
- Skills in using AI for literature review, research discovery, and academic writing
- Competence in implementing AI tools while maintaining academic integrity

4. Policy and Institutional Awareness

- Understanding of institutional governance frameworks for AI
- Knowledge of policies regarding acceptable and prohibited AI uses
- Awareness of data privacy and security considerations
- Capacity to contribute to institutional AI policy development

- Understanding of implementation roadmaps and best practices

5. Pedagogical Innovation

- Strategies for redesigning assignments in the AI era
- Techniques for AI-integrated teaching and learning
- Understanding of process-oriented and authentic assessment approaches
- Skills in balancing AI assistance with critical thinking development

Impact Indicators

Immediate Impact

Based on informal feedback and observations during the workshop:

- Over 95% of participants rated the workshop as "Excellent" or "Very Good"
- Participants reported significantly increased confidence in using AI tools responsibly
- Strong commitment expressed to applying learned techniques in teaching and research
- Formation of peer networks across institutions for continued collaboration
- Immediate plans by several participants to conduct similar sessions at their institutions

Short-term Impact (Expected within 3-6 months)

- Integration of AI literacy components into curriculum planning across participating institutions
- Development of departmental or institutional AI usage guidelines
- Increased responsible AI tool adoption by faculty and students
- Faculty-led workshops and training sessions at home institutions
- Establishment of institutional working groups on AI integration

Long-term Impact (Anticipated within 1-2 years)

- Establishment of institutional AI governance frameworks
- Enhanced research productivity with maintained integrity
- Leadership role of participating institutions in regional AI education initiatives
- Improved educational quality and student outcomes
- Strengthened regional collaboration and knowledge sharing networks

Participant Feedback Analysis

Strengths Identified

Based on feedback collected during the valedictory session and informal discussions:

- Well-structured progression: Logical flow from theory to practice appreciated
- Expert resource persons: High-quality presentations with diverse perspectives
- Relevant and applicable content: Immediately useful knowledge and skills
- Effective hands-on demonstrations: Practical experience valued highly

Participants also provided constructive suggestions:

- Longer duration: Request for extended hands-on practice sessions
- Discipline-specific applications: Interest in subject-specific AI use cases
- Follow-up workshops: Need for advanced and specialized training

PARTICIPANT STATISTICS AND DEMOGRAPHICS

Overall Participation

Total Participants: 107

Institutional Representation

The workshop achieved strong regional representation with participants from multiple institutions across the North Eastern Region:

Institution	Number of Participants
Captain Williamson Sangma State University (CWSSU)	48
District Institute of Education and Training (DIET) Tura/Rongkhon	34
Mason Phillips Academy, Tura	10
Ampati Degree College	8
College of Teacher Education, Rongkhon	2
North-Eastern Hill University (NEHU)	2
St. Anthony's College, Shillong	1
Tura Government College	1
St. Joseph's College (A), Jakhama, Nagaland	1

ANNEXURES

Annexure A: Complete Workshop Schedule

Day 1: December 8th , 2025 (Monday)

Time	Activity	Resource Person/Details
10:00 - 11:00 AM	Inaugural Session	
	Welcome Address and Introduction	Dr. Temjenkala Jamir, Convener
	Felicitation of Dignitaries	Dr. Rajesh M. Marak
	Speech by Guest of Honour	Smt. Singje **Ch. Marak** Ch. Marak, Deputy Registrar, CWSSU
	Address by Patron (Video Message)	Rev. Fr. Dr. Arcadius Puwein, SDB
	Special Cultural Number	Department of Philosophy, CWSSU
	Inaugural Address by Chief Guest	Smt. Hema Nayak (IAS), Deputy Commissioner
	National Anthem	
11:00 - 11:30 AM	Tea Break	
11:30 AM - 1:00 PM	Session I: Predictions and Explanations Using LLM	Mr. Abhishek Kashyap
1:00 - 1:30 PM	Lunch Break	
1:30 - 3:00 PM	Session II: Ethics of AI, Group Activity & Q/A	Mr. Abhishek Kashyap

Day 2: December 9th, 2025 (Tuesday)

Time	Activity	Resource Person/Details
10:00 - 11:30 AM	Session III: AI Literacy for Academic Excellence	Mr. Lawmna Kima
11:30 - 11:45 AM	Tea Break	
11:45 AM - 1:15 PM	Session IV: Responsible AI Integration in Higher Education	Mr. Lawmna Kima
1:15 - 1:45 PM	Lunch Break	
1:45 - 2:30 PM	Group Activity / Open Discussion & Q/A	Mr. Lawmna Kima

Day 3: December 10`th, 2025 (Wednesday)

Time	Activity	Resource Person/Details
10:00 - 11:30 AM	Session V: Inside Generative AI: Mechanics, Ethics, and the Politics of Knowledge	Dr. Tiatemsu Longkumer
11:30 - 11:45 AM	Tea Break	
11:45 AM - 1:15 PM	Session VI: Rethinking Higher Education through Generative AI: Practical Approaches for Teaching, Assessment, and Research	Dr. Tiatemsu Longkumer
1:15 - 1:45 PM	Lunch Break	
1:45 - 2:30 PM	Group Activity / Open Discussion & Q/A	Dr. Tiatemsu Longkumer

Day 4: December 11th, 2025 (Thursday)

Time	Activity	Resource Person/Details
10:00 - 11:30 AM	Session VII: AI-Powered Academic Research: Tools, Techniques & Best Practices	Dr. Ujjal Marjit
11:30 - 11:45 AM	Tea Break	
11:45 AM - 1:15 PM	Session VIII: AI-Powered Academic Research (Practical Session), Group Activity & Q/A	Dr. Ujjal Marjit
1:15 - 1:45 PM	Lunch Break	
1:45 - 2:30 PM	**VALEDICTORY SESSION**	
	Workshop Reflection	Mr. Steward G. Momin
	Feedback from Participants	Selected Participants
	Valedictory Address and Closing Remarks	Shri D. K. Newar, MFS (Retd.), Finance Officer, CWSSU
	Certificate Distribution	
	Vote of Thanks	Dr. Sharon Lalremruati Zadeng

Annexure B: Resource Person Profiles

Mr. Abhishek Kashyap

Designation: Assistant Professor of Philosophy, IIT Guwahati

Profile:
Dr. Abhishek Kashyap is an Assistant Professor of Philosophy at IIT Guwahati. His research focuses on philosophy of science and physics, especially Bayesian confirmation theory, underdetermination, and the role of values in science. He has published in leading journals, co-edited "Policies for Research and Innovation" and teaches philosophy of science and critical reasoning. His expertise in the philosophical foundations of AI and ethics makes him uniquely positioned to address both technical and ethical dimensions of artificial intelligence in education.

Mr. Lawmna Kima

Designation: Founder & CEO, LushAITech Pvt. Ltd.; Executive Director – AI & Data Practice, Ernst & Young (EY) GDS India

Profile:
Lawmna Kima is an accomplished AI and Cloud Executive with over 20 years of professional experience in Artificial Intelligence, Cloud Data Engineering, and Digital Transformation. He is the Founder-Chairman & CEO of LushAITech Pvt. Ltd., the first AI company from Northeast India, and serves as Executive Director – AI & Data Practice at Ernst & Young (EY) GDS India.

He holds a BE in Electronics & Communication, MTech in Data Science, and is currently pursuing a PhD in AI & Cloud. He has conducted numerous high-impact AI trainings and workshops for government officials, legislators, scientists, and academic leaders across India.

Notable engagements include serving as Lead Resource Person for the historic AI Training Programme for MLAs and Officers at the Mizoram Legislative Assembly (October 2025) – the first of its kind in India – and as an invited resource person for the UNESCO & MeitY AI-RAM Program in Guwahati (2024).

His expertise spans AI for Governance & Public Policy, Generative AI & RAG, Data Modernization using Snowflake, AWS, and Azure, AI Ethics and Responsible AI, and Cloud Data Architecture. He has delivered faculty development programs and workshops at Christ University Bengaluru, ICFAI University Mizoram, and other premier institutions across the Northeast.

Lawmna Kima's mission is to make AI accessible, ethical, and transformative for governance, education, and society, building Northeast India as an AI-empowered knowledge region.

Dr. Tiatemsu Longkumer

Designation: Senior Lecturer, Royal Thimphu College, Bhutan

Profile:
Dr. Tiatemsu Longkumer is an anthropologist and philosopher, and currently a Senior Lecturer at Royal Thimphu College, Bhutan. He completed his undergraduate studies with a foundation in computer science, pursued advanced coursework in Big Data and Artificial Intelligence, and later integrated digital anthropology methods into his doctoral research on religion and social change.

He teaches a module on 'Technology and Society,' where he guides students in critically examining the cultural, ethical, and political implications of emerging technologies. His current work examines the pedagogical and epistemic implications of Generative AI in higher education.

Dr. Longkumer has a forthcoming publication with the Royal Anthropological Institute on Generative AI in teaching and learning, and he is actively involved in developing institution-level strategies for AI literacy, responsible use, and curriculum innovation. He regularly conducts workshops for educators and students, focusing on AI-supported learning design, ethical challenges, and the shifting landscape of academic practice in an AI-mediated world.

Dr. Ujjal Marjit

Designation: Head, Centre for Information Resource Management (CIRM), University of Kalyani, India

Profile:
Dr. Ujjal Marjit is the Head of CIRM at the University of Kalyani, with over two decades of service in the university system. He holds a Ph.D. in Computer Science & Engineering, MCA from Jadavpur University, and MLISc from Madurai Kamaraj University.

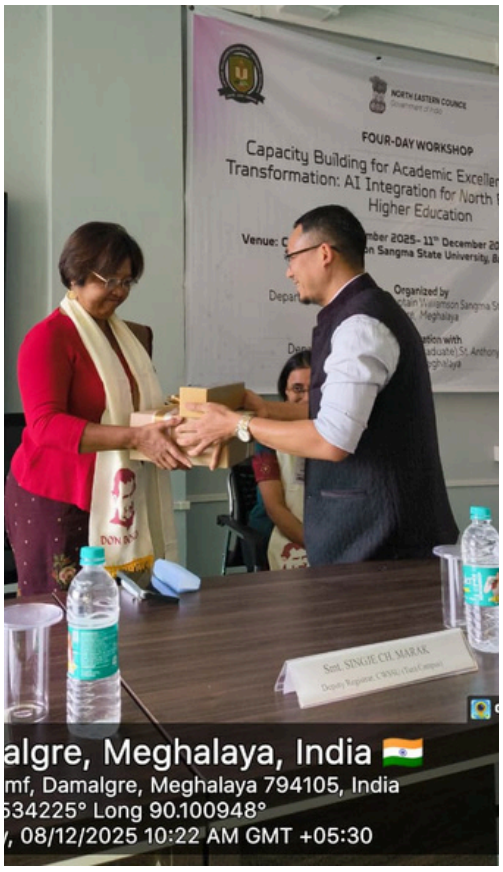
A former Visiting Researcher at NTNU, Norway, and ACM member, he has published more than 80 research papers and participated in academic programmes across multiple countries. His research interests include AI in academic research, AI tools for literature review, citation management, data analysis, and AI-driven innovations in teaching and learning.

He serves as Nodal Officer for NIRF (2016–2025) and holds responsibilities for several national initiatives. Dr. Marjit has conducted numerous FDPs and workshops, delivering invited lectures at premier institutions including IITs, IIM Kolkata, BHU, NEHU, Nagaland University, Mizoram University, and universities across India. His practical expertise in integrating AI tools into research workflows makes him an invaluable resource for capacity building in this area.

Annexure C: Photographs

Day 1: December 8th , 2025 (Monday)
Inaugural Session

Welcome Address and Introduction: Dr. Temjenkala Jamir, Convener



Felicitation of Dignitaries : Dr. Rajesh M. Marak, Organising Committee Member

Speech by Guest of Honour : Smt. Singje Ch. Marak , Deputy Registrar, CWSSU

Inaugural Address by Chief Guest : Smt. Hema Nayak (IAS), Deputy Commissioner, South West Garo Hills District, Meghalaya

Address by Patron (Video Message) : Rev. Fr. Dr. Arcadius Puwein, SDB, St Anthony's College Shillong.

Participants with Organising Committee Members

Day 1 (8th December 2025) Session I and II:

Resource Person : Mr. Abhishek Kashyap

Day 2 (9th December 2025) Session III and IV:

Resource Person : Mr. Lawmna Kima

Day 3 (10th December 2025) Session V and VI:

Resource Person : Dr. Tiatemsu Longkumer

Day 4 (11th December 2025) Session VII and VIII:

Resource Person : Dr. Ujjal Marjit

Day 4 (11th December 2025) : Valedictory Session

Workshop Reflection: Mr. Steward G. Momin , Organising Committee Member

Valedictory Address and Closing Remarks : Shri D. K. Newar, MFS (Retd.), Finance Officer , CWSSU

Feedback from Participants

Certificate Distribution

Vote of Thanks : Dr. Sharon Lalremruati Zadeng , Coordinator

ATTENDANCE SHEET

Workshop on Capacity Building for Academic Excellence in Digital Transformation: AI Integration for North Eastern Region Higher Education

NAME	NAME (IF ANY CORRECTIONS HAVE TO BE MADE, PLEASE WRITE IN CAPITAL LETTERS) / CONTACT NUMBER	STUDENT / FACULTY	INSTITUTION	SIGNATURE			
				DAY 1	DAY 2	DAY 3	DAY 4
				8.11.2025	9.11.2025	10.11.2025	11.11.2025
AMCHI DORIS CH MOMIN	Amchi Doris Ch. Momin 9366402890	Student	CWSSU	PRESENT			
BALSIMCHI B.MARAK	Balsimchi B Marak 9362848955	Student	CWSSU	PRESENT			
CH.NONIMORINDA	CHINGSHUBAM NONIMORINDA CHANU / 9540669571	Faculty	CWSSU	PRESENT			
CHADOREN M.MARAK	CHADORAN M. MARAK 6009866705	STUDENT	CWSSU	PRESENT			
CHELSIA M.SANGMA	Chelsia M. Sangma 9863195182	Student	CWSSU	PRESENT			
DAFIKA DKHAR			CWSSU	PRESENT			
DEIBORME			CWSSU	PRESENT			
ELZA GRIKGRANG M.MARAK	Elza Grikgrang M. Marak 6009968207	Student	CWSSU	PRESENT			
GAMRE CHIMA R.MARAK			CWSSU	PRESENT			
ISBEL N.MARAK	Isbel N. Marak 6009852454	Student	CWSSU	PRESENT			
JACINTHA NSANGMA	Jacintha N Sangma 9863316459	Student	CWSSU	PRESENT			
JARIM R.MARAK	Jarim Raksam Marak 8730944620	Faculty	CWSSU	PRESENT			
KIMBERA A. SANGMA	KIMBERA A. SANGMA 9863023094	STUDENT	CWSSU	PRESENT			

NAME	NAME (IF ANY CORRECTIONS HAVE TO BE MADE, PLEASE WRITE IN CAPITAL LETTERS) / CONTACT NUMBER	STUDENT / FACULTY	INSTITUTION	SIGNATURE			
				DAY 1	DAY 2	DAY 3	DAY 4
				8.11.2025	9.11.2025	10.11.2025	11.11.2025
MIKHIMBAL A.SANGMA MIKKIMBAL	Mikhimbal. A. Sangma 9863109455	Student	CWSSU	PRESENT			
NOVIA MARIA R.MARAK	Novia Maria R Marak 6009861013	Student	CWSSU	PRESENT	Novia	Novia	Novia
PEILASH R.MARAK PEILLASH R. MARAK	Peillash R. Marak 9863112774	Student	CWSSU	PRESENT			
PRIYANCHI D.SANGMA			CWSSU	PRESENT	—	—	Present
RONAMIE D.SHIRA	ronamieshira2003@gmail.com	Student	CWSSU	PRESENT			
TRESTY TESHA R.MARAK	Tresty Tesha R Marak 8258890563	Student	CWSSU	PRESENT			
VAYAM G.SANGMA	Vayam G. Sangma 7629924822	Student	CWSSU	PRESENT			
DR BRING BLESSING L .RYNTATHIANG					Present	Present	Present
ASIF SHAHRIAR AHMED	ASIF SHAHRIAR AHMED 6009070869	Student	DIET TURA	PRESENT	Asif	Asif	Asif
BEBERA KIMKIME CH MOMIN	8798933323	Student	DIET TURA	PRESENT	—		
BIANGCA JESSY CH MARAK	BIANGCA JESSY CH MARAK 9986112025	Student	DIET TURA	PRESENT			
BRINATH R MARAK	6909025189	Student	DIET TURA	PRESENT			
CHEANCHI CH MOMIN	8787528662	Student	DIET TURA	PRESENT	—		
CHEARISH A.SANGMA	CHEARISH A. SANGMA 8787313784	Student	DIET TURA	PRESENT		10/12/25	11/12/25
Balsramchi M Sangma	BALSRAMCHI M SANGMA 9863170668	Student	Absent				

NAME	NAME (IF ANY CORRECTIONS HAVE TO BE MADE, PLEASE WRITE IN CAPITAL LETTERS) / CONTACT NUMBER	STUDENT / FACULTY	INSTITUTION	SIGNATURE			
				DAY 1	DAY 2	DAY 3	DAY 4
				8.11.2025	9.11.2025	10.11.2025	11.11.2025
CHERANG A.SANGMA	~~CHERANG A SANGMA~~ /9366814580	Student	DIET TURA	PRESENT			
CHESRANG CH.MARAK	CHESRANG CH. MARAK 8413833656	Student	DIET TURA	PRESENT			
DANCHI S.SANGMA	9863109797 DANCHI S.SANGMA	Student	DIET TURA	PRESENT	—	10/12/25	11/12/25
DANIEL ANTHIM A SANGMA	DANIEL ANTHIM A.Sangma	Student	DIET TURA	PRESENT	—		
DILSENG D.SANGMA	Dilseng D. Sangma 6009837641	Student	DIET TURA	PRESENT			
DIMSENG S.SANGMA	Dimseng S. Sangma 7005779419	Student	DIET TURA	PRESENT			
DIVYA JOYOTI SINGH	DIVYA JOYOTI SINGH 9362186646	Student	DIET TURA	PRESENT			
DONCHIRING M.MARAK	8414068562	Student	DIET TURA	PRESENT			
ELIANA DIKANCHI D.SANGMA	6009933921	Student	DIET TURA	PRESENT			
EMANUEL CH,MARAK	6009459423	Student	DIET TURA	PRESENT			
FLORINA D SANGMA	7085251667	Student	DIET TURA	PRESENT			
HECHIME S. SANGMA			DIET TURA	PRESENT	—	—	

~~CHINCHIRA CHISAME~~ ~~9863105010~~ Student DIET Tura Present — 9/12/25 10/12/25 11/12/25

M SANGMA

NAME	NAME (IF ANY CORRECTIONS HAVE TO BE MADE, PLEASE WRITE IN CAPITAL LETTERS) / CONTACT NUMBER	STUDENT / FACULTY	INSTITUTION	SIGNATURE			
				DAY 1	DAY 2	DAY 3	DAY 4
				8.11.2025	9.11.2025	10.11.2025	11.11.2025
HIRA CHIANGCHI A.SANGMA	6009106813	Student	DIET TURA	PRESENT	H.A.Sg	H.A.Sg	H.A.Sg
IMMANUEL CH.MARAK	IMMANUEL CH. MARAK 6009127839	Student	DIET TURA	PRESENT		—	
JABATH M .MARAK	JABATH M MARAK 8787599917	Student	DIET TURA	PRESENT			
JANAK KOCH	~~Janak Koch~~ 6009791987	Student	DIET TURA	PRESENT			
JASHMINDA CH.MARAK	JASHMIDA CH. MARAK 6009543826	Student	DIET TURA	PRESENT	—		
JENGBAT CH.MARAK	TENGBAT CH MARAK 8731083395	Student	DIET TURA	PRESENT			
JERICO R.MARAK	JERICO R. MARAK 9774267398	STUDENT	DIET TURA	PRESENT	Jerico	Jerico	Jerico
KAYLEE AKIMBE R.MK	9863961894	STUDENT	DIET TURA	PRESENT	—		
KILSERA T.SANGMA	8794546610	STUDENT	DIET TURA	PRESENT	—		
MAHADEVI KOCH		STUDENT	DIET TURA	PRESENT	—		
MAMSA JANGKERA A.SG	MAMSA JANGKERA A. SANGMA 9366363613	STUDENT	DIET TURA	PRESENT	—		
MANSRAM CH.SANGMA	MANSRAM CH. SANGMA 8837432940	Student	DIET TURA	PRESENT			
Bie Manasa M. Momin	BIE MANASA M MOHIN 8787820524	Student	DIE TURA	ABSENT	B.Momin	B.Momin	B. Momin

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				8.11.2025	9.11.2025	10.11.2025	11.11.2025
NOKJE G.SANGMA		Student	DIET TURA	PRESENT	Nokje	~~Nokje~~ Nokje	Nokje
PRANABJYOTI KOCH	Pranabjyoti Koch. 6002668350	student	DIET TURA	PRESENT		—	
SAMIER A SANGMA	Samien A Sangma 9862170046	Student	DIET TURA	PRESENT			
SENGMERA M.MARAK	8837258833	Student	DIET TURA	PRESENT			
SONIA HAJONG		Student	DIET TURA	PRESENT			
TENGSIME CH MOMIN	TENGSIME CH. MOMIN 8863141053	Student	DIET TURA	PRESENT	—	Tengsime Momin	Tengsime Ch Momin
TERAN A.SANGMA	~~Teran A. Sangma~~ 7896781270	student	DIET TURA	PRESENT			
UPASANA CH.MARAK	Upasana Ch. Marak 6009832643	Student	DIET TURA	PRESENT	U.Ch.Mk	U.Ch.MK	U.CH. Mk
BRICKTONE M.SANGMA			AMPATI DEGREE COLLEGE	PRESENT			
RAYZESTWAR K.SANGMA	~~RKS~~ 7002616384	Faculty	AMPATI DEGREE COLLEGE	PRESENT			
DR ANISUR RAHMAN	DR MD ANISUR RAHMAN 9957241284	Lecturer	AMPATI DEGREE COLLEGE	PRESENT	9.11.25	10.11.2025	11.11.2025
DR ATEN JAMIR		Faculty	ST JOSEPH'S COLLEGE, JAKHAMA	PRESENT	✓		

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DR MARMA A.SANGMA	9366570525	faculty	TURA GOVT COLLEGE				
NENGREY S.SANGMA	8974009919	faculty	CTE RONGKHON	PRESENT			
MARCHITA SENGATCHI R.MARAK	9436135458	faculty	CTE RONGKHON	PRESENT	M. Marak	M. Marak	M. Marak
DR WANPHAI MARY K.JAPANG			DON BOSCO COLLEGE TURA	PRESENT	—	—	
SONATCHI T.SANGMA			DON BOSCO COLLEGE TURA	PRESENT	—	—	
ACHUMA A.SANGMA	7627993118	Student	MASON PHILLIPS ACADEMY TURA	PRESENT			
ARUSA CASEMIA B. MARAK ANEESA CASEMIA B	9362015264	Student	MASON PHILLIPS ACADEMY ~~TURA~~ DIET	PRESENT	—		
AUDREY T SANGMA	6009668220	student	MASON PHILLIPS ACADEMY TURA	PRESENT			

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				8.11.2025	9.11.2025	10.11.2025	11.11.2025
IVIANSHA CH.SANGMA	6909753251	Student	MASON PHILLIPS ACADEMY TURA	PRESENT	Ivianshe	Ivianshe	Ivianshe
POLWAN A.SANGMA	POLWAN A SANGMA 9366150760	FACULTY	MASON PHILLIPS ACADEMY TURA	PRESENT		—	
PRESIANCHI N.ARENGH	8731839241	Student	MASON PHILLIPS ACADEMY TURA	PRESENT			
PRINGCHI CH.MARAK	Pringchi . Ch. Marak 9366698312	Faculty	MASON PHILLIPS ACADEMY TURA	PRESENT		—	
TANGESA M.MARAK	7630020383 ~~7620030383~~	Student	MASON PHILLIPS ACADEMY TURA	PRESENT			

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				8.11.2025	9.11.2025	10.11.2025	11.11.2025
ALICIA A. MARAK	8974664567	STUDENT	CWSSU				
ELSHA DONA B. MARAK	8798890131	STUDENT	CWSSU				
CHELCHAK ACHIGA CH. MARAK	7005657556	STUDENT	CWSSU				
SEIBORLANG KHARSHANDI	9366646443	Student	CWSSU				
Dr. RAJAT KANTI SAHA	9774249238	Faculty	CWSSU				
Dr. KAMAL DEBNATH	7035263679	Faculty	CWSSU				
AINAS TASIAS A. SANGMA	6009160540	student	DIET, Tura	—			
CHINCHIRA CHISAME M. SANGMA.	9863105010	STUDENT	DIET, Tura	—			
Akumdong Longkumer	8787431700	Research Scholar	NEHU Shillong				
~~Chelsia M. Sangma~~	~~9863195182~~	~~Student~~	~~CWSSU~~				
JAGAMESA CH MOMIN	9378001024	Faculty	CWSSU				
ANISHA TREVALOVA MOMIN	8794736308	Faculty	CWSSU				
NIKHA S. SANGMA	7085196729	Student	CWSSU				
Dr. BRING LESSING L. RYNTATHIANG	9089735133	Faculty	CWSSU				