

About the Workshop

The Two-Day Workshop on Recent Trends in VLSI, Circuits and Systems (RTVCS) under the aegis of 7th International Conference on Micro/Nanoelectronics Devices, Circuits and Systems (MNDCS 2027), organized by the Department of Electronics and Telecommunication Engineering, Assam Engineering College, aims to provide participants with insights into emerging technologies and recent advancements in VLSI, Micro/Nanoelectronics, Circuits, and Systems. The workshop will facilitate expert talks and interactions, technical discussions, and hands-on exposure, fostering innovation and strengthening academia-industry/research connections in the field of electronics.

About the Conference

MNDCS-2027 aims to promote advanced research and developments in the areas of Micro/Nanoelectronics, Semiconductor Materials and Devices, VLSI Circuits and Systems. The conference will feature keynotes, invited talks and oral presentations of research articles in the most relevant areas. It will provide an international platform to share research ideas, scientific thoughts and research problems among academicians, researchers, technologists and scientists.

Hands-on Training & Technical Focus

- **RTL Coding & FPGA Implementation:** Verilog HDL Coding (Combinational, Sequential, FSM), Functional Verification, Synthesis, Constraints, Debugging, and Testing.
- **Semi-Custom IC Design Flow:** Logic Equivalence Checking, Floor/Power Planning, Placement, Clock Tree Synthesis (CTS), Routing, Static Timing Analysis (STA), and GDSII Generation.

Industry Tools: Xilinx Vivado | Cadence

Registration Details

Faculty members, Ph.D Scholars, Industry Persons, PG and UG students can register.

Registration is FREE and includes access to all technical & hands-on session, workshop kit, working lunch, tea & snacks for two days.



Scan to Register

RTVCS-2026

Two-Day International Workshop on Recent Trends in VLSI, Circuits and Systems

30-31 October, 2026

Under the Aegis of

7th International Conference on Micro/Nanoelectronics Devices, Circuits and Systems

MNDCS-2027



Jointly Organized by

Department of Electronics & Telecommunication Engineering
and

Department of Computer Science & Engineering
Assam Engineering College

and

Department of Electronics and Communication Engineering
National Institute of Technology Silchar

In Association with



Technical Collaborators & Sponsors



Invited Speakers



Prof. Ricardo Augusto DA LUZ REIS,
Professor, University Federal do Rio Grande do SUL (UFRGS), Brazil



Prof. Gaurav Trivedi,
Professor, Dept. of EEE, IIT Guwahati



Prof. Sergio Duarte Correia,
Professor, Technology Department, Portalegre Polytechnic University, Portugal



Ms. Vaswathi Sarmah Barthakur,
Head-Assam Regional Strategy & Ecosystem Development TSAT Presiding Officer – POSH TSAT Assam



Dr. Chandrima Mondal,
Assistant Professor, Dept. of ETE, Jadavpur University & Vice-Chair, IEEE CAS Kolkata Section



Mr. Salil Nath,
Regional Head, NER Telecom Sector Skill Council



Dr. Koushik Guha,
Associate Professor & HOD, Department of ECE, NIT Silchar



Dr. Trupti Ranjan Lenka,
Associate Professor, Department of ECE, NIT Silchar



Mr. Kavinga Upul Ekanayake,
Head of Hardware Engineering, ACCEL, Sri Lanka



Mr. Arnab Kumar Barman,
CEO & Mission Director, Da Spatio Rhotique Laboratory



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<https://rtvcs.aec.ac.in>



Department of ETE, AEC

WORKSHOP COMMITTEE

Chief Patrons	Prof. Dilip Kumar Baidya, Director, NIT Silchar Prof. Amrita Ganguly, Principal, AEC
Patrons	Dr. Koushik Guha, Associate Professor & HOD, Department of ECE, NIT Silchar Prof. Rashi Borgohain, Professor & HOD, Department of ETE, AEC Prof. Gunajit Kalita, Professor & HOD, Department of CSE, AEC
Advisors	Dr. T.R. Lenka, Associate Professor, Department of ECE, NIT Silchar Prof. Ricardo Augusto DA LUZ REIS, Professor, UFRGS, Brazil & Member, VSA TC, CASEO, IEEE CASS Dr. Mili Sarkar, Chair, IEEE CAS Kolkata Section Prof. Sergio Duarte Correia, Professor, Technology Department, Portalegre Polytechnic University, Portugal Dr. Uditha Wijewardhana, Senior Lecturer/Head, Department of EEE, USJ, Sri Lanka Dr. MWP Maduranga, Director, Director, CNGCS, USJ Sri Lanka and Chair, IEEE SPS Sri Lanka Section Shri Dinesh Shankar Pegu, Associate Professor, Department of ETE, AEC Shri Jitesh Choudhary, Director & Centre Head, CDAC CINE, Guwahati Prof. Navajit Saikia, Professor, Department of ETE, AEC Mr. Ram Chandra Sachan, Network Architect & DMTS-Principal Member, Wipro, USA, and Chair, IEEE YP-Virginia Mountain Section Dr. Ekant Sharma, IIT Roorkee and Director, Mantiswave Networks Dr. Alakh Majumder, Head, i-CAS Lab, NIT Arunachal Pradesh
Organizing Chairs	Prof. Diganta Baishya, Professor, Department of CSE, AEC Dr. Sabyasachi Bhattacharyya, Assistant Professor, Department of ETE, AEC Dr. Ananya Choudhury, Assistant Professor, Department of ETE, AEC

Technical Program Chairs

Dr. Bijoy Goswami, Associate Professor, Department of ETE, AEC

Mr. Niranjan Jyoti Borah, Assistant Professor, Department of ETE, AEC

Ms. Swapna Bharali, Assistant Professor, Department of ETE, AEC

Publicity and Website Chairs

Mr. Mridul Jyoti Roy, Associate Professor, Department of CSE, AEC

Mr. Dipangshu Dutta, Assistant Professor, Department of CSE, AEC

Registration and Hospitality Chairs

Ms. Rajashree Konwar, Associate Professor, Department of CSE, AEC

Ms. Riju Kalita, Programmer cum System Analyst, AEC

IMPORTANT DATES

Workshop Dates	30–31 st October, 2026
Last Date of Registration	12 th October, 2026

HOW TO REACH AEC

By Air:

- Arrive at Lokopriya Gopinath Bordoloi International Airport located about 12 km from the college.
- Take a cab directly from the airport terminal to the campus (takes around 20–30 minutes).

By Train:

- Arrive at Guwahati Railway Station (Paltan Bazaar) or Kamakhya Junction.
- From Paltan Bazaar, the college is roughly 12 km away. From Kamakhya station, it is about 9.4 km away.
- Hire a local taxi, auto-rickshaw, or book a cab to reach the campus.

By Road:

- Guwahati connects well via state and private buses.
- If traveling locally by bus, reach Jalukbari (near Gauhati University) and take a short local ride or walk up AEC Road to the campus.

