



الجامعة الإسلامية للتكنولوجيا
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Press Release

NRBs Lead the Launch of CREST: A National Leap Toward Semiconductor Excellence

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Bangladesh has taken a defining stride toward its semiconductor future with the launch of the Center of Research Excellence in Semiconductor Technology (CREST): an initiative conceived, led, and driven by Non-Resident Bangladeshis (NRBs) committed to advancing the nation's technological sovereignty.

Established under BASICS (Bangladesh Academy of Semiconductor Innovation and Curriculum Support) and aligned with the BEAR Summit (Biotech, Electronics, AI, and Robotics) vision, CREST embodies the shared aspiration of NRBs and local partners to position Bangladesh as a "Silicon River": a new source of innovation and global collaboration in semiconductor technology.

Supported by Neural Semiconductor Ltd. of Bangladesh and two global semiconductor leaders, CREST's inaugural year will engage nine graduate fellows from seven leading institutions, who will collaborate with top U.S. universities, including UC Berkeley, Purdue University, and others.

The initiative will also establish six national training centers to develop 100 professionals in advanced semiconductor design. Among these, the Islamic University of Technology (IUT), a subsidiary organ of the Organisation of Islamic Cooperation (OIC): has been selected as one of the national training centers.

CREST's research will focus on Low-Power Device Design, AI-Centric Circuits, Advanced Packaging, ReRAM for Automotive Applications, and Silicon Photonics, enabling Bangladesh to play a meaningful role in the global semiconductor value chain.

"This is more than a research center: it is the embodiment of NRBs' vision to build Bangladesh's place in deep technology," said the organizers, reaffirming that global collaboration and homegrown talent will drive the nation's innovation future.

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