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OF

SCHOOL OF ENGINEERING & TECHNOLOGY



KAZIRANGA
UNIVERSITY
KNOWLEDGE & BEYOND

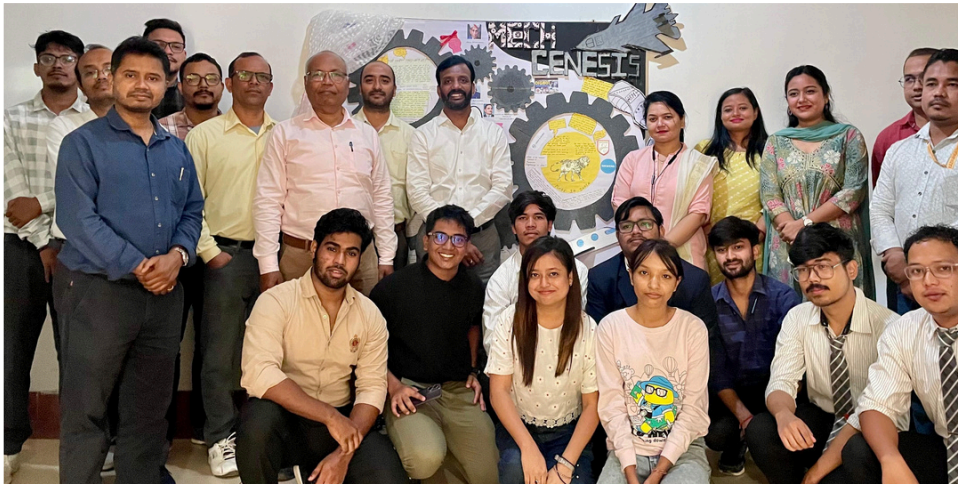
www.kzu.ac.in/school/set

DECEMBER 2024 EDITION



DR. KARTHIK KOVURI

DEAN



MECHGENESIS: Wall Magazine of Mechanical Engineering Department



The Assam Kaziranga University hosted a two-day international conference on "Energy, Sustainability, and Climate Change" from 7th to 8th November.



Milestone 2.0, Second-Version of Civil Engineering Department Wall Magazine

Top News



- Two days Conference on Energy Sustainability & Climate change.
- MOUs exchange between the Kaziranga University & Silchar Polytechnic, Karimganj Polytechnic
- Inauguration of Wall Magazines.
- Field visits by students.



MS. UPASANA KASHYAP
HOD, CE



DR. RUPAM BHAGAWATI
HOD, CSE



DR. ASHIM JYOTI GOGOI
HOD, ECE



MR. PRANABJYOTI LAHON
HOD I/C, EE

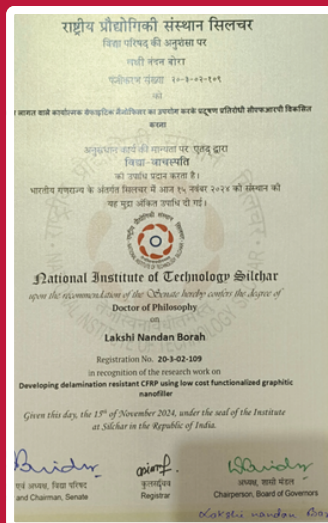


DR. RAMESH CHANDRA BORAH
HOD, ME

EVENTS:



KU Leads the Way:
MOU Signing and Emerging Tech Seminar
Spark Innovation at Silchar Polytechnic!



- Kaziranga University hosted a curtain Raiser event on 9 November 2024 for the prestigious India International Science Festival, an initiative of the Government of India, as part of VIKSIT BHARAT @2027, which was scheduled for 30 November–3 December 2024 at IIT Guwahati.
- MOUs were exchanged between Kaziranga University and Silchar Polytechnic, Karimganj Polytechnic for skill development and faculty development programs. Dean Dr. Karthik Kovuri delivered expert sessions on Emerging Technologies for the students and the faculty.
- On October 22, 2024, The Hub Jorhat hosted an Incubators Meet, organized by AIC-SELCO Foundation and Assam Startup, with around 20 participants. Dr. Karthik Kovuri (Dean, SET of Kaziranga University) was the guest speaker, discussing the challenge of identifying innovators and entrepreneurs and collaboration opportunities. Dr Danish Tamuly (NEATEHUB) spoke on similar themes, while Mr Debasish Dutta (BIONEST-CSIR NEIST) and Ms Nunesano Chase (YouthNet Nagaland) discussed tech transfer and co-incubation. The event proposed joint incubation programs to support last-mile innovations.



RESEARCH



ACTIVITIES

Intellectual Achievements



• **PUBLICATIONS:**



DR. KARTHIK KOVURI

A paper titled "Meta-Learning enhanced Self-Supervised Methods for Crop Species Classification Using UAV Imagery in Precision Agriculture" was presented on 6th October.



DR. ASHIM JYOTI GOGOI

Presented his research paper, "Optimization of Spectrum Efficiency of Multiuser Cognitive Radio Network," at IEEE SILCON 2024 on November 24.



DR. BARNANA BARUAH

Published a paper on advanced machine learning-driven intelligent sleep Apnea Detection by Advanced ML using Single-Lead EEG Signal data.



DR. KOUSHIK DAS

Published a study titled "Effect of Sea State Parameters on Oil Spill Trajectory and Weathering Process: A Case Study of the MV Wakashio Oil Spill in Mauritius." in December 2024.



DR. LAKSHI NANDAN BORAH

Presented a paper titled "Transformation of Natural Graphite to Ball-Milled Graphitic Nanoparticles (BMC) featuring for Functionalization and Its Compatibility to Epoxy Network."

• **BOOKS/ BOOK CHAPTERS:**



DR. SHEWTAMBARA VERMA

Published a book on "Impact of Carbonation on Reinforcement in Blended Cement Concrete" with White Falcon Publishing.

• **PATENT:**



DR. KARTHIK KOVURI

Published UK Design Patent on "AI-Enhanced Thermal Imaging Drone for Military Operations" (6395173) on 8th October.