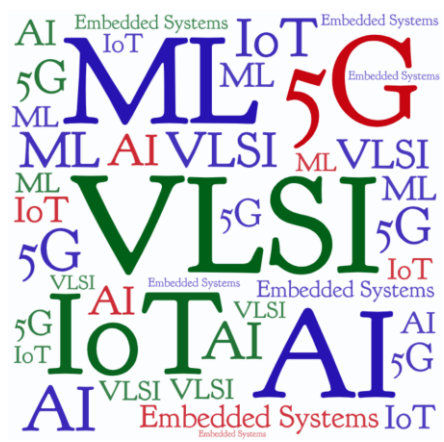


**WORKSHOP VIRTUAL 2 DAY 2 DAY VIRTUAL WORKSHOP**

# TRENDS IN INTELLIGENT ELECTRONICS, EMBEDDED SYSTEMS & COMMUNICATION TECHNOLOGIES



Organised by **Department of Electronics & Communication Engineering**  
**Central Institute of Technology-Kokrajhar, BTAD, Assam, 783370**  
 (Deemed to be University, Under MHRD, Govt. of India)



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**Coordinators:**

Mr. Antaryami Panigrahi, Assistant Professor, Dept. of ECE

November 20<sup>th</sup> & 21<sup>st</sup> 2020
 10:00AM - 4:00PM (IST)
 Online Mode: To be conducted online via WebEx

All attendees of the webinar/workshop will be provided e-certificates issued by the Department of ECE



Susanta Panigrahi  
Project Manager  
LG Electronics  
Bengaluru

Anupam Dutta  
Senior MTS  
GLOBALFOUNDRIES  
Bengaluru

Badri Narayana Patro  
Postdoctoral Researcher  
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Dr. Abhinav Kumar  
Associate Professor,  
Dept. of Electrical  
Engineering, IIT-Hyd.

Renjith CV  
Electrical Architect-Medical  
Imaging  
Philips Healthcare, Pune

Dr. Preeti Ranjan Panda,  
Professor, Department of  
CSE, IIT-Delhi

### Eligible Criteria:

Undergraduates preferably in their 3<sup>rd</sup> / 4<sup>th</sup> year from branches ECE/CSE/IE will benefit largely from this workshop.

### About the Institute:

The Institute was established on the 19th of December 2006. The genesis of this Institute was the memorandum of Settlement on Bodoland Territorial Council (BTC) signed between the Assam Government, the Union Government and the Bodo Liberation Tigers, on February 10, 2003, in New Delhi. The Institute is an autonomous body registered under the Societies Registration Act., 1860 and functions under a Board of Governors (BOG). It's a Deemed to be University under MHRD, Govt. of India.

### About the Workshop:

The amount of data available from various sources is experiencing a sharp ascent as never before owing to more and more devices getting connected each other. The data from the machines, devices, and sensors of the IoT can efficiently analysed and contextualized by AI (Artificial Intelligence) technologies. AI has seen tremendous progress due to data collection, analysis and processing. This would certainly enable both decision making and the provision of personalized experiences to users and AI would significantly improve them. The more productive and significant interaction between humans and the environment could thus be promoted.

With demands of higher performance and lower latency, 5G can provide enormous changes in device connectivity. Tune into this virtual workshop/webinar to discover the impact of these new capabilities on wireless infrastructure, including Artificial Intelligence (AI), Machine Learning (ML) with potential applications in the IoT. This virtual workshop will shade a light on the fusion of 5G, IoT, and AI/ML and VLSI which could open new avenues of career in prospective industries and research institutes.

### Tentative Schedule:

	Inauguration	Lecture-I	Lecture-II	Lunch Break	Hands On	Lecture
Day 1 (Nov 20 <sup>th</sup> )	9:15am-10:00am	10:00am-11:15am (AI & ML) [Badri Narayan Patro]	11:30am-12:45pm (IoT/Embedded Systems) [Susant Panigrahi]		2:00pm-3:00pm (AI in Embedded Systems) [Dr. Preeti R. Panda]	3:00pm-4:15pm (Deep Learning) [Badri Narayan Patro]
Day 2 (Nov 21 <sup>st</sup> )	9:00am-9:45am (ML & Image Processing) [Haradhan Chel]	10:00am-11:15am (VLSI) [Anupam Dutta]	11:30am-1:00pm (5G) [Dr. Abhinav Kumar]		2:00pm-3:30pm (IoT Protocols) [Renjith C.V.]	3:30pm-4:30pm (Case Studies & Valedictory) [Antaryami Panigrahi]

### Registration Details:

You can register by paying Rs. 100/- on or before 16<sup>th</sup> November 2020 and also filling up a form online [Details of Account and the registration link is provided below]. Registration Fee for candidates other than students of CIT-Kokrajhar is Rs. 200/-. A/C Name: CIT Kokrajhar, Acc. No: 30495666063 IFSC Code: SBIN007379, Bank Name: State Bank of India- North Kokrajhar

Registration url: [https://docs.google.com/forms/d/e/1FAIpQLSe1LASA\\_cXDULsD5PluDSwtljsUhwwasRPiXKB2YWY8UMvIWPQ/viewform?usp=pp\\_url](https://docs.google.com/forms/d/e/1FAIpQLSe1LASA_cXDULsD5PluDSwtljsUhwwasRPiXKB2YWY8UMvIWPQ/viewform?usp=pp_url)