DADB German Academy of Digital Education

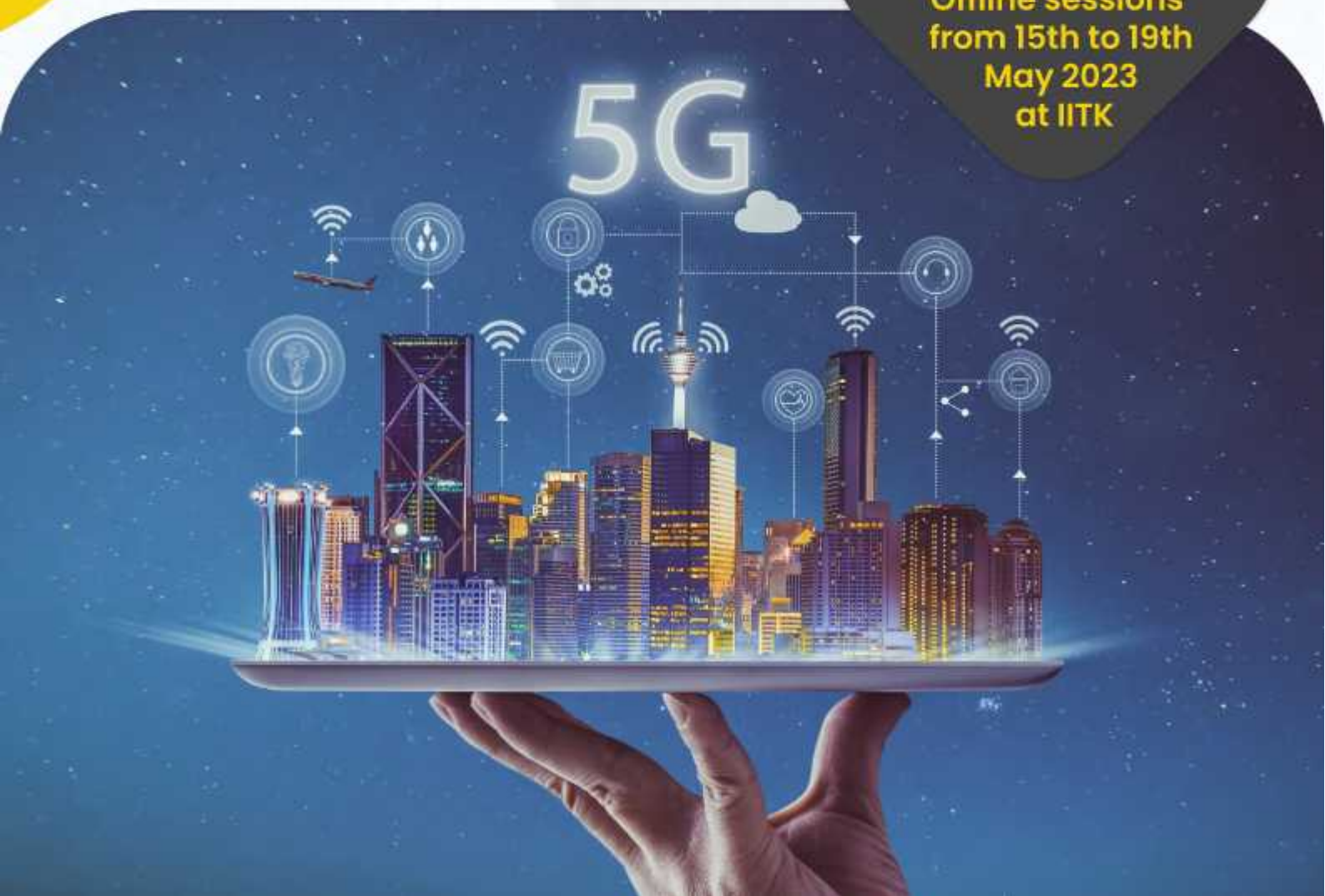
Indian Institute of Information Technology Kottayam

Blended Learning Course on 5G and IoT

This is a joint certification program by DADB and IIITK

Online sessions starts from April 1st 2023

Offline sessions from 15th to 19th May 2023 at IIITK



Course Format

Online learning content on 5G technology which requires 90 hours of learning effort from German professors and industry experts recorded in DADB's learning platform followed by 5 days offline theory and hands-on session on hardware design for IoT at IIITK

Fee Structure

- Fees: Rs. 25,900 + GST (incl. accommodation and food at IIITK during offline sessions)

Target Audience

Faculty Members : Circuit branches (ECE, AEI, EEE, CSE, IT, ETE etc.)
Students : 4th semester and above

Course Content

5G Technology Course Content (Online) by DADB

Module 1: Introduction to Advanced Communication Networks
Module 2: Introduction to Architecture of 5G Cellular Communication Networks
Module 3: Introduction to 5G Radio Access Networks (RAN)
Module 4: Introduction to 5G Use Cases
Module 5: Introduction to 5G Hardware's and Implementation Aspects
Module 6: Introduction to 5G Testing and 6G Outlook

Hardware Design for IoT Content (Offline) by IIITK

Introduction to embedded systems
Microcontroller basics
Standalone system design
Analog and digital design concepts
Mixed signal processing
PCB design
Hardware design for IoT using Reconfigurable SoC
Setting UP IoT node from scratch

Make Payment

For more details:
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Growth Head, DADB
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Industrial Showcases

5G Test & Measurements
Rohde & Schwarz

MIMO and Antenna Systems
Fraunhofer Institute for Telecommunications, Heinrich Hertz Institute Berlin

5G Network Planning
LS Telcom AG

Campus Networks
MECSware

Narrowband IoT
Hahn-Schickard Insitute of Applied Research

Cellular IoT
COMMSOLID GmbH

5G-Industry Campus Europe
Fraunhofer Institute for Production Technology IPT

5G for Robotics
WZL at RWTH AACHEN

5G Open RAN & Industry 4.0 Test Bed
Fraunhofer Institute for Integrated Circuits IIS

DECT New Radio(NR)
Wirepas

Expert Interviews

Dr. Josef Blanz
Qualcomm

Prof. Frank H P Fitzek
TU Dresden

Thomas Hoschele
CampusGenius

Dr. Ulrich Dropmann
Nokia

Sander Rotmensen
Siemens

Dr. Dave Cavalcanti
Intel