



AICTE Training And Learning (ATAL) Academy Sponsored Online FDP

On

Challenges in Capstone of 5G and Artificial Intelligence (C²5GAI)

(ATAL Application No.: 1584192679)

(5th October to 9th October 2020)

Organized by

University College of Engineering, Kakatiya University, Kothagudem, Telangana

About the UCE (K.U):

University College of Engineering, Kakatiya University (KU), a premier Government Technical Educational institution established in the year 1978 to impart the quality education to the engineering students in the eastern region of Telangana state, located at Kothagudem. Initially it was the constituent college of Osmania University, later shifted to KU with offering B. Tech. in Mining, CSE, EEE, ECE & IT, part time M. Tech. in Mining and Ph D. The campus spread over 390 acres with lot of greenery.

About the Course:

India is at the point of a digital revolution powered by increasing broadband and internet penetration, exponential data uptake, the Government's focus on digitalization and increasing trend of technology adoption across industries. Industries have been playing a vital role in developing Indian 5G market. Hence, there is a need to expose the faculty to this technology.

5G wireless technology aims to provide extremely high data rates with support for massive device density and ultra-low latency. With the support of massive multiple-input multiple-output (Massive MIMO), Cooperative Communication, Cognitive Radio (CR) and efficient Waveform design for 5G, it can be achieved multiple goals such as higher speeds, increased connectivity, range extension and dynamic spectrum allocation in 5G networks.

In an MIT technical review by Karen Hao et al quoted that the "DARPA is betting on artificial intelligence (AI) to bring the next generation of wireless devices online" October 2019. AI and 5G are critical technologies poised to create opportunities that will significantly enhance customer experiences across industry verticals. Ericsson quoted that employing AI techniques to enhance returns on 5G network investments.

Who should attend

The programme is open to faculty of AICTE approved institutions and Research scholars of Electronics & Communication and Computer Science Engineering, polytechnic colleges and other allied disciplines in India.

Registration: No Registration fee

The mode of FDP is online.

E-certificate will be provided by AICTE ATAL to those participants with **minimum 80%** attendance and **minimum 60%** marks in the test.

Below is the link for the registration

<https://atalacademy.aicte-india.org/signup>

Resource Persons:

Academicians from IITs / NITs / IIITs in concerned field are invited to deliver lectures in the programme. Speakers from industries are also expecting to deliver as part of the course.

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Sri. E. Hari Krishna,

Asst. Professor of ECE, UCE, KU, Kothagudem

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For further details contact:

Sri. E. Hari Krishna, Coordinator, ATAL FDP C²5GAI

Mob: +91-9949892604; E-mail: hari_etta@kakatiya.ac.in

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On
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(ATAL Application No.: 1584192679)
(5th October to 9th October 2020)

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Experts for AICTE ATAL FDP C25GAI

Prof. Aditya K Jagannatham,
Professor,
Department of Electrical Engineering,
IIT Kanpur,
Uttar Pradesh.

Dr. Abhinav Kumar,
Associate Professor,
Department of Electrical Engineering,
IIT Hyderabad,
Telangana.

Prof. Ajay Somkuwar,
Professor & Head,
Department of Electronics &
Communication Engineering,
NIT, Bhopal,
Madhya Pradesh.

Dr. Aniruddha Chandra,
Associate Professor,
Department of Electronics &
Communication Engineering,
NIT, Durgapur,
West Bengal

Prof. T. Kishore Kumar,
Professor,
Department of Electronics &
Communication Engineering,
NIT Warangal,
Telangana

Prof. T. Rama Rao,
Professor & Head,
Department of Electronics &
Communication Engineering,
SRM University, Chennai,
Tamilnadu

Prof. K. Ashoka Reddy,
Principal & Professor,
Department of Electronics &
Communication Engineering,
Kakatiya Institute of Technology & Science,
Warangal, Telangana

Dr. Rajarshi Mahaptra
Associate Professor,
Department of Electronics &
Communication Engineering,
Naya Raipur,
Chhattisgarh

Dr. Pooja Jain,
Associate Professor,
Department of Computer Science Engineering,
IIIT, Pune, Maharashtra.

Anshuman Sharma,
Scientist Engineer-SF,
Manager-32, ISDN,
ISTRAC-ISRO,
Bangalore, Karnataka

Saikumar Nellutla
Mobile Integration Consultant/
Data Analyst at Comscore Inc.,
Reston, Virginia, USA