

5G and its impact on IoT Applications in Agriculture and Manufacturing sectors

In a world driven by rapid advancements in technology, the convergence of 5G and the Internet of Things (IoT) stands as one of the most transformative and promising developments. This Faculty Development Program is designed to explore the dynamic interplay between 5G technology and IoT applications across diverse sectors, illuminating the possibilities and opportunities it presents for educators, professionals, and researchers. This program will delve into how these technologies synergize to redefine industries and open doors to innovative applications in Agriculture, and Manufacturing

Course Content

- Introduction to Next Generation Communication
- 5G Virtualization and SDN
- IOT Fundamentals
- IOT Communication on Design and implementation on (using MQTT protocol
- IOT Communication & 5G interface with IOT
- Cloud & Edge Fundamentals
- IOT Applications in Agriculture

Patrons

Mr. Jayant Inamdar

Chairman, MKSSS'S Cummins College of Engineering for Women Pune

Advisors

Dr. P.V.S. Shastry

Secretary, MKSSS'S Cummins College of Engineering for Women Pune

Dr. M. B. Khambete

Principal, MKSSS'S Cummins College of Engineering for Women Pune

Resource Person

Experts from IIT/NIT/Esteemed institutes/ Industry

Co-Ordinator

Dr. Prachi Mukherji Dean
(R&D) , Professor E&TC
Department

Co-coordinator

Dr. Sharada N. Ohatkar
HoD & Professor,
E&TC Department

FDP Schedule

Date: 27th November 2nd December 2023
Session Time: 9.30 AM to 5.00PM



**AICTE Training & Learning Academy
(ATAL)**

Sponsored

Faculty Development Programme on

**"5G and its impact on IoT
Applications in Agriculture and
Manufacturing sectors"
27th November–2nd December 2023**

**Organized by
Department of E&TC
Cummins College of
Engineering for Women Pune**



AICTE Training & Learning Academy (ATAL)

Vision : To empower faculty to achieve goals of Higher Education such as access, equity and quality

Mission :

- To establish AICTE Training and Learning (ATAL) cell in all the technical institutions, Universities, Deemed-to be Universities and other institutions of technical learning.
- To establish Academies web portal and mobile application for carrying out its operations.
- Training needs analysis of technical manpower of the country.

Objectives of ATAL Academy

- To set up an Academy which will plan and help in imparting quality technical education in the country
- To support technical institutions in fostering research, innovation and entrepreneurship through training
- To stress upon empowering technical teachers & technicians using Information & Communication Technology

Contact Person

Dr. Prachi Mukherji: - 9881308464

Dr. Sharada N. Ohatkar:- 9881044945

Cummins College of Engineering for Women Pune

Maharshi Karve Stree Shikshan Samstha was established in 1896 by the great visionary and social worker Bharat Ratna Maharshi Dhondo Keshav Karve. This 128- year-old parent body has been committed to "Empowerment of Women through education". Over the period, the Sanstha has grown like a banyan tree and at present, is running 62 institutes. These units are located at Pune, Satara, Wai, Ratnagiri, Nagpur and Kamshet.

Cummins College of Engineering for Women was established in 1991. This is the first, privately managed engineering college exclusively for girls. It is approved by AICTE. It offers five undergraduate degree programs, three post-graduate and a Ph.D. program in Engineering. All programs are affiliated to Savitribai Phule Pune University. The College is accredited by NAAC with A grade. UGC and Savitribai Phule Pune University have granted Academic Autonomy to the College from the academic year 2016-17.

Registration

Any teaching faculty, research scholar from any domain, including faculty from management institutes, engineering and polytechnics, can participate. The selection will be done on first come basis.



Faculty Development Programme

On

"5G and its impact on IoT Applications in Agriculture and Manufacturing sectors 27th November–2nd December 2023"

Organized by

Department of E & TC,

Cummins College of Engineering for Women Pune

Link for registration

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

Registration Fee

No registration Fee for FDP

TA for External Participants

External Participants (traveling more than 20 Km one side to attend the FDPs) who attend at least 90% of the sessions shall be reimbursed with the cost of traveling, with a blanket amount of ₹ 2000/- at the end of the FDP. There would be no provision for boarding/lodging from the end of ATAL Academy/ AICTE. However, refreshment & lunch would be provided for free.