

NATIONAL WEBINAR
on
Internet of Things (IoT) & Its Practical Applications

24th to 25th July, 2020



Organized by

**Department of Computer Science & Engineering,
Indira Gandhi Delhi Technical University for Women, Delhi -110006**

**In Collaboration with
DIC-MHRD**

Coordinator:

Prof. SRN Reddy
CSE Department
IGDTUW, Delhi

Patron:

Dr. Amita Dev
Vice Chancellor
IGDTUW, Delhi



OVERVIEW

Webinar on “IoT and its Practical Applications 2020” is being organized by CSE Department, IGDTUW Delhi in association with DIC-MHRD along with other collaborators. This webinar aims to collaborate, share and disseminate the knowledge gained and learn in the area of IoT & its Practical Applications. This National webinar will act an efficacious platform for learning and interacting with eminent speakers from research organizations, industry and academia. The research scholars from IGDTUW will also show case their work related to IoT and its applications in the area of Health care, Environment, Aquaculture, Smart Home, Assistive Technologies, Industry 4.0 etc. This seminar can help students to get insights about IoT and its practical application in various domains, research avenues & its challenges.

OBJECTIVES

- The purpose of this webinar is to provide an efficacious platform for learning, collaborating and interacting with eminent speakers from research organizations, industry and academia.
- To understand best practices and demonstration of diverse projects & new innovations in this area of industry 4.0 and IoT.
- Industry-academia interaction with industrial delegates highlighting their technological requirements, expectations from research institutes.

Schedule: Day 1

Session Name	Speaker	Topic	Timings
Inaugral	Dr. SRN Reddy, Professor, IGDTUW	Welcome Note	9:00 am to 09:15 am
Keynote speech 1	Dr. Amita Dev, VC, IGDTUW	IoT Futuristic Technology & Its Applications	9:15 am to 9:45 am
Introduction	Dr. SRN Reddy, Professor, IGDTUW	Introduction to IoT& its practical applications and challenges at IGDTUW	9:45 am to 10:20 am
Keynote speech 2	Mr. N. Kishore Narang, Narnix TechnoLabs	Building the Competence to Innovate leveraging IoT & other Disruptive Technologies	10:20 am to 11:00 am
Keynote speech 3	Prof. PVM Rao, IIT Delhi	Product Design and Best Practices	11:00 am to 11:40 am
Keynote speech 4	Prof. Sai Prakash, Professor, NIT Warangal	Sensors, Actuators & Its Interfacing	11:40 am to 12:15 pm
Keynote speech 5	Dr. Amarjeet Singh, CTO, Zenatix	IoT & Applications: Zenatix Perspective	12:15 pm to 12:45 pm
Invited talk 1	Dr. S.P. Shiva Prakash,JSSST&U, Mysuru	Social Internet of Things: Challenges & Research Avenues	12:45 am to 1:15 pm
Break			1:15 pm to 2:00 pm
Invited talk 2	Dr. Piyush Chanana, IIT Delhi	User centric approach for Product Development	2:00 pm to 2:30 pm
Invited talk 3	Prof. C. Rama Krishna, NITTR, Chandigarh	IoT and its Security Issues	2:30 pm to 3:00 pm
Invited talk 4	Prof. Ramprasad Kalindi, Professor, SRKR, Bhimavaram	Extending human senses through IoT: The challenges ahead	3:00 pm to 3:30 pm
Invited talk 5	P Anjaneyulu, Service Delivery Manager, Comviva Technology Ltd.	IoT, A Defense Perspective	3:30 pm to 4:00 pm
Invited talk 6	Mr.Subbarao Kancharla, Principal System Specialist, R&D Itron	Smart metering networks and quick restoration of nodes	4:00 pm to 4:30 pm
Invited talk 7	Mr. Rachit Thukral, Director, ETI Labs	Role of IoT in Industry 4.0	4:30 pm to 5:00 pm

Schedule: Day 2

Session Name	Speaker	Topic	Timings
Day 2 Overview	Dr. SRN Reddy, Professor, IGDTUW	Welcome Note	9:00 am to 09:15 am
Keynote speech 1	Prof. M. Balakrishnan, IIT Delhi	IoT & its applications in Assistive Technologies	9:15 am to 9:45 am
Invited talk 1	Mr. Mallikarjun, Project Manager, Accenture	Mobile Application Development: Issues & challenges in IoT	9:45 am to 10:15 am
Invited talk 2	Reddi Shekhar, Tech Lead, Verizon India	IoT & Event Streaming at Scale, using Microservice architecture	10:15 am to 10:45 pm
Presentation 1	Mr. B.S Tripathi, IGDTUW	IoT Product Design: Best Practices	10:45 am to 11:15 am
Presentation 2	Ms. Jasleen, PhD scholar, IGDTUW	Role of IoT in Covid19	11:15 am to 11:45 pm
Presentation 3	Ms. Zeenat, PhD scholar, IGDTUW	Patenting your inventions: Academic point of view (with reference to IoT & Aquaculture)	11:45 pm to 12:15 pm
Presentation 4	Ms. Sonal, PhD scholar, IGDTUW	IoT and its applications in Healthcare	12:15 pm to 12:45 pm
Presentation 5	Mr. Sanjay Motia, IP University	IoT and its applications in Agriculture	12:45 pm to 01:15 pm
Break			1:15 pm to 2:00 pm
Presentation 6	Ms. Sunita, PhD scholar, IGDTUW	Role of IOT based Context Detection in Healthcare	2:00 pm to 2:30 pm
Presentation 7	Ms. Manasi Mishra, PhD scholar, IGDTUW	Lightweight protocols for IoT Applications: Case Study of Environmental Monitoring System	2:30 pm to 3:00 pm
Presentation 8	Ms. Pushpanjali, PhD scholar, IGDTUW	Sensor data fusion in IoT applications	3:00 pm to 3:30 pm
Presentation 9	Ms. Rishika, PhD scholar, IGDTUW	Role of AI in Internet of Things	3:30 pm to 4:00 pm
Presentation 10	Ms. Divanshi, PhD scholar, IGDTUW	IoT and its Applications in the Education Technologies	4:00 pm to 4:30 pm
Presentation 11	Ms. Kavita, IGDTUW	IoT and its applications in smart kitchen	4:30 pm to 5:00 pm
Valedictory	Dr. SRN Reddy, Professor, IGDTUW	Valedictory speech	5:00 pm to 5:20 pm
Closing	Dr. Seeja K.R., HoD (CSE), IGDTUW	Vote of Thanks	5:20 pm to 5:30 pm

Organizing Committee Members

1. Prof. S.R.N Reddy, IGDTUW, Delhi
2. Mr. Rachit Thukral, Director, ETI Labs
3. Ms. Manasi Mishra, Ph.D Scholar, IGDTUW, Delhi
4. Mr. Bramha S Tripathi, SPA, MEK-3, IGDTUW
5. Ms. Rishika Anand, Ph.D Scholar, IGDTUW, Delhi
6. Ms. Kavita, Student, IGDTUW
7. Ms. Divanshi P. Wangoo, Ph.D Scholar, IGDTUW
8. Ms. Pushpanjali, Ph.D Scholar, IGDTUW, Delhi
9. Ms. Sonal, Ph.D Scholar, IGDTUW, Delhi
10. Ms. Zeenat Shareef, Ph.D Scholar, IGDTUW, Delhi
11. Ms. Jasleen Kaur, Ph.D Scholar, IGDTUW, Delhi
12. Ms. Sunita Churasia, Ph.D Scholar, IGDTUW, Delhi
13. Sanjay Motia, PhD scholar, IP university, Delhi

Registration Fee:

Registration is FREE. Certificates will be given to all the participants.

Registration Link - <https://forms.gle/r2uMdNej5dH8PTMp8>

Important Dates:

Last Date for Registration – 22nd July 2020

Webinar dates – 24th to 25th July 2020

For more details visit: www.dic-igdtuw.com, www.igdtuw.ac.in

OR

Contact: rc.igdtuw2020@gmail.com

