

Indira Gandhi Delhi Technical University For Women

(Established by Govt. of Delhi vide Act 09 of 2012)

Kashmere Gate, Delhi - 110006

Summary Report

On

Workshop "IoT and its Practical Applications 2020"

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 as an efficacious platform for learning and interacting with eminent speakers from research organizations, industry and academia. The research scholars from IGDTUW will also showcase 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.

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.

More than 450 participants have registered for the webinar. Various eminent speakers deliver lectures on IoT and other areas. More than 15 institutes and industries collaborated with IGDTUW for this webinar.

Coordinator Prof. S.R.N. Reddy Professor, Department of CSE



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

| Schedule: Day 1 | | | | | |
|------------------|--|--|----------------------|--|--|
| Session Name | Speaker | Торіс | 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 Lab | s Role of IoT in Industry 4.0 | 4:30 pm to 5:00 pm | | |

| | | hodulo: Day 2 | Schoduler Day 2 | | | | | |
|---------------------|--|---|--------------------------|--|--|--|--|--|
| Schedule: Day 2 | | | | | | | | |
| Session Name | Speaker | Topic | Timings | | | | | |
| Day 2 Overview Dr | r. SRN Reddy, Professor, IGDTUW | Welcome Note | 9:00 am to 09:15 am | | | | | |
| Keynote speech 1 Pr | rof. M. Balakrishnan, IIT Delhi | IoT & its applications in Assistive Technologies | 9:15 am to 9:45 am | | | | | |
| | , , , | Mobile Application Development: Issues & challenges in IoT | 9:45 am to 10:15 am | | | | | |
| | The state of the s | IoT & Event Streaming at Scale, using Microservice architecture | 10:15 am to 10:45 pm | | | | | |
| Presentation 1 M | 1r. B.S Tripathi, IGDTUW | IoT Product Design: Best Practices | 10:45 am to 11:15 am | | | | | |
| Presentation 2 M | 1s. Jasleen, PhD scholar, IGDTUW | Role of IoT in Covid19 | 11:15 am to 11:45 pm | | | | | |
| | | Patenting your inventions: Academic point of view | | | | | | |
| Presentation 3 M | ls. Zeenat, PhD scholar, IGDTUW | (with reference to IoT & Aquaculture) | 11:45 pm to 12:15 pm | | | | | |
| | | | 12:15 pm to 12:45 | | | | | |
| Presentation 4 M | 1s. Sonal, PhD scholar, IGDTUW | IoT and its applications in Healthcare | pm | | | | | |
| Presentation 5 M | 1r. Sanjay Motia, IP University | IoT and its applications in Agriculture | 12:45 pm to 01:15 | | | | | |
| Presentation 5 IVI | | | pm 1:15 pm to 2:00 pm | | | | | |
| Break | | | | | | | | |
| | | Role of IOT based Context Detection in Healthcare | 2:00 pm to 2:30 pm | | | | | |
| | | Lightweight protocols for IoT Applications: Case Study of Environmental Monitoring System | 2:30 pm to 3:00 pm | | | | | |
| M | ls. Pushpanjali, PhD scholar, | | 3:00 pm to 3:30 pm | | | | | |
| Presentation 9 M | 1s. Rishika, PhD scholar, IGDTUW | | 3:30 pm to 4:00 pm | | | | | |
| М | ls. Divanshi, PhD scholar, | IoT and its Applications in the Education Technologies | 4:00 pm to 4:30 pm | | | | | |
| Presentation 11 M | ls. Kavita, IGDTUW | IoT and its applications in smart kitchen | 4:30 pm to 5:00 pm | | | | | |
| Valedictory Dr | r. SRN Reddy, Professor, IGDTUW | Valedictory speech | 5:00 pm to 5:20 pm | | | | | |
| Closing Dr | r. Seeja K.R., HoD (CSE), IGDTUW | Vote of Thanks | 5:20 pm to 5:30 pm | | | | | |

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

























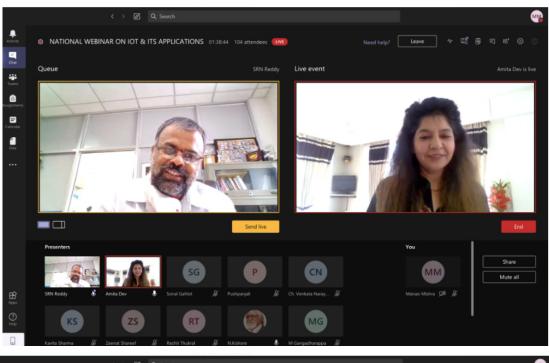


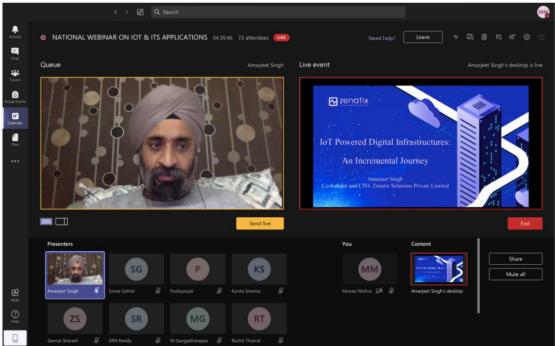












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