Activity Report

Invited Talk On "Edge Computing:A Novel Paradigm for Latency Sensitive Applications"

29th September 2023

Organised By

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
FACULTY OF ENGINEERING AND TECHNOLOGY
(EXCLUSIVELY FOR WOMEN)
SHARNBASVA UNIVERSITY,
KALABURAGI-585101

ಶರಣಬಸವ Sharnbasva ವಿಶ್ವವಿದ್ಯಾಲಯ University

THE INSTITUTION OF ELECTRONICS AND TELECOMMUNICATION ENGINEERS
IETE
सह वीर्य करवावहै
• INDIA •

INVITED TALK
ON

"EDGE COMPUTING: A NOVEL PARADIGM FOR LATENCY SENSITIVE APPLICATIONS"

In association with IETE KALBURGI CENTER KALBURGI

On 29th September 2023 @ 10:30 am

With the Benign Blessings of Vidya Bhandari
Poojya Dr. Sharnbaswappa Appa

Mahadasoha Peethadhipati, Sharnbasveshwar Samsthan
President, Sharnbasveshwar Vidya Vardhak Sangha
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His Holiness
Poojya Chiranjeevi Doddappa S. Appa

9th Mahadasoha Peethadhipati, Sharnbasveshwar Samsthan, Kalaburagi
Trustee, Poojya Dr. Sharnbaswappa Appa Family trust, Sharnbasveshwar Samsthan, Kalaburagi

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Dept of Computer Science& Engg,
IIT ROPAR, Punjab

PROGRAM CHAIR
Dr. Lakshmi Patil Maka
Dean,
Sharnbasva University

CONVENERS

Dr. Shivaleela Patil
Chairman, Dept. of CSE
Faculty of Engineering and Technology
(Exclusively for Women)

CO-ORDINATORS

Prof. Jyoti Neginal
Asst. Prof., Dept. of CSE
Faculty of Engineering and Technology
(Exclusively for Women)

Dr. Sujata Mallapur
Chairman, Dept. of AI and ML,
Faculty of Engineering and Technology
(Exclusively for Women)

Dr. Manikamma Malipatil
Assoc. Prof., Dept. of CSE
Faculty of Engineering and Technology
(Exclusively for Women)

Venue: Dodappa Appa Sabha Mantap , Kalaburagi

**All are Cordially Invited -
University Authorities, Deans,
Chairpersons & Staff's**

ORGANIZED BY:
Department of Computer Science Engineering ,
Faculty of Engineering and Technology (Exclusively for Women)

Title of the Event	Edge Computing: A Novel Paradigm for Latency Sensitive Applications"
Date of the Activity held	29th September 2023
Time of the Activity	10:30 AM
Type of Activity (Cultural/Cocurriclar /Curricular)	Curricular Activity
Resource Person	Prof.Nitin Auluck
Professional details of Resource Person	Department of Computer Science & Engg,IIT Ropar,Punjab
Program/Course/Class	Invited Talk
Number of Students attended	100
Number of Staff attended	39
Activity In charge	Dr.Manikamma & Prof.Jyoti N
Objective of the Activity	The objective of the invited talk was to raise awareness about edge computing as an essential innovation in modern computing infrastructure and its vital role in supporting the next generation of latency-sensitive applications.
Description of the Activity	Department of Computer Science & Engineering, Faculty of Engineering Technology (Exclusively for Women) has organized invited talk on Edge Computing:A Novel Paradigm for Latency Sensitive Applications" in association with IETE sub centre kalaburgi 29th September 2023 for faculties and students. Prof.Nitin Auluck Department of Computer Science & Engg,IIT Ropar,Punjab was the resource person. The program was inaugurated by Dean. Dr. Lakshmi Patil Maka Madam. Dr. Shivaleela Patil Chairperson CSE Dept and Dr.Sujata Mallapur Chairperson AIML and Dean Research joined the Inauguration. Invited talk was to provide an in-depth exploration of how edge computing is revolutionizing the landscape of modern, latency-sensitive applications. As the digital world increasingly demands real-time data processing and near-instantaneous decision-making, edge computing offers a promising solution by shifting computational power and data storage closer to the source of data generation, instead of relying on centralized cloud infrastructure.

Edge computing is an emerging computing paradigm which refers to a range of networks and devices at or near the user. Edge is about processing data closer to where it's being generated, enabling processing at greater speeds and volumes, leading to greater action-led results in real time.

It offers some unique advantages over traditional models, where computing power is centralized at an on-premise data centre. Putting compute at the edge allows companies to improve how they manage and use physical assets and create new interactive, human experiences. Some examples of edge use cases include self-driving cars, autonomous robots, smart equipment data and automated retail.

The invited talk was very useful for all the staffs and everyone gave good feedback about the sessions. The talk came to end at around 12:30 P.M with the vote of thanks.