

Rayat Shikshan Sanstha's
Annasaheb Awate Arts, Commerce & Hutatma Babu Genu Science College
Manchar, Pune

Department of Electronic Science
WEBINAR REPORT 2021-22

Department of Electronic Science, Annasaheb Awate Arts, Commerce & Hutatma Babu Genu Science College Manchar, Pune organized a State Level webinar on **"WSN: Opportunities, Challenges & Applications"** for Students and staff from other colleges also. The Webinar was held on **12th February 2022, 11.30 am – 1.00 pm on GoogleMeet.**

Respected, **Mrs. Tabbsum Mujawar**, Assistant Professor, Department of **Electronic Science, Punyashlok Ahilyadevi Holkar Solapur University, Solapur** was a Resource Person. The Webinar began at 11.30 am in the presence of all the members of the Electronic Science Department. The objectives of the webinar were known about Wireless Sensor Network, its applications, and its current research trends in it.

The webinar was hosted by Ms. Afroj M Dange, Assistant professor at the Department of Electronic Science, also with a brief introduction of the Chief Guest and welcomed all the participants.

The Webinar witnessed active participation from Electronics students from our college and other colleges also. Nearly **57 participants** joined the webinar virtually.

Mrs. Tabbsum Mujawar delivered his presentation on **"WSN: Opportunities, Challenges & Applications"** she has started the session with ppt showing how sensors are placed on Mars to collect the data. He gave information about the various wireless standards available like Bluetooth, 802.1.4 and Zigbee, etc. She discussed the road map of wireless technology and where sensor network stands in technology evolution wireless. She also compared the scenario of placing the wireless sensor network on the earth and another planet in terms of design complexity, power consumption, and other factors. She also compared the wireless network model with the OSI model. She differentiated the wired sensor network and wireless sensor network. She stated that more research in the battery design is required to use the increase of the wireless sensor network. She discussed the Water Ice sensor. She also explained the working and usefulness of the surface charge sensor and Water ice sensor. She discussed various applications of wireless sensor networks like volcano sites, farming, remote places, etc. A New Lunar wireless model is needed. She discussed the lunar wireless model designed by her. She encouraged the

students and faculty to do various research projects in a wireless sensor network. She also answered the question raised by participants regarding the availability of software tools in the open domain and hardware kits to perform experiments related to the wireless sensor network. Students have also raised many questions and Dr. Tabbsum Mujawar has provided solutions to their questions and asked them to keep their eyes open to see day-to-day life problems around them and try to find the solutions using the latest technology. Participants gained knowledge and insight into recent trends going in wireless sensor network development.

The session was very much informative. They discussed areas that were of great benefit for the participants as the topic was very much relevant to the current scenario and working domain. Participants were enlightened with the most widely used advanced technologies in this domain. The webinar ended with a Questionnaire session followed by a vote of thanks. Feedback for the session was also collected and E-certificate was distributed to all the active participants.

Our Head, Mr. S A Belage addressed participants in a presidential speech.

The session ended with a vote of thanks. Ms. J B Khilari proposed the formal vote of thanks.

Outcome:

These 50 minutes webinars provided great benefit for participants in WSNs fundamental concepts and how to accelerate WSN business value, as well as the technical considerations for successfully developing and implementing WSNs solutions for the Covid-19 scenario.

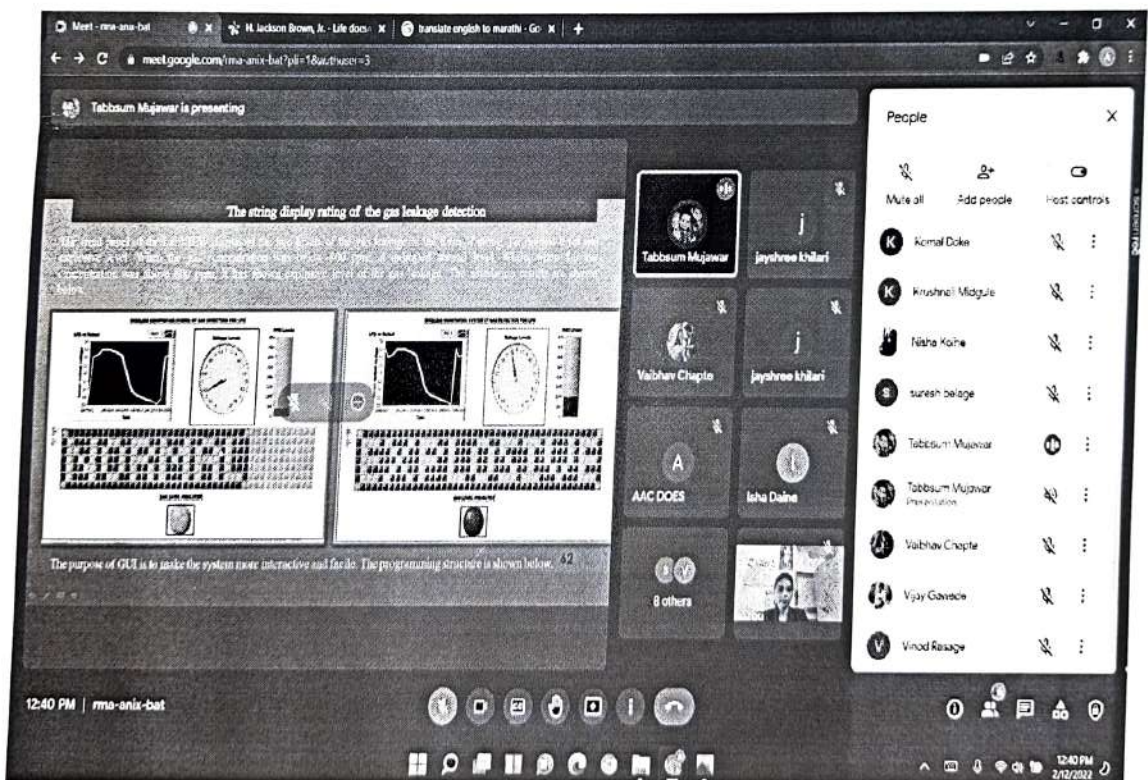
Enclosures:

- Flyer of the webinar
- Invitation of the webinar
- Photos in the webinar



Head

Dept. of Electronics Science
A. A. College, Manchar



Chilum

Head
 Dept. of Electronics Science
 A. A. College, Mumbai

Estd. 1966



* PRINCIPAL *
Dr. Kanade K. G.
M.Sc., M.Phil., Ph.D.

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**ANNASAHAB AWATE ARTS, COMMERCE,
HUTATMA BABU GENU SCIENCE COLLEGE &
SOU. KUSUMBEN KANTILAL SHAH ARTS,
COMMERCE, SCIENCE JUNIOR COLLEGE**
Manchar, Tal. Ambegaon, Distt. Pune (Maharashtra) - 410 503.

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Junior College No. - J11.01.001

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* FOUNDER *
Padmabhushan
Dr. Karmaveer
Bhaurao Patil, D. Litt.

Ref. No. 1099/2021-22

Date : 10/02/2022

To,
Dr. Tabbsum H Mujawar,
Assistant Professor,
Department of Electronics,
Punyashlok Ahilyadevi Holkar
Solapur University, Solapur

Sub: Invitation as a Resource Person in the Webinar.

Respected Madam,

Concerning the subject mentioned above, the Department of Electronic Science of our college is going to organize the State Level Webinar. We are honored to invite you to be the Resource Person in the Webinar on **"WSN: Opportunities, Challenges & Applications"**. Our event is to be held on **12th February 2022** via online mode at **11.30 am**.

We know you have a terrific speaker and we're confident that our audience will benefit greatly from your lecture. We'd be grateful for your time and knowledge about this webinar.

Thanking you.



Manu
Principal

Annasaheb Awate College,
Manchar, Dist. Pune

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Padmabhushan
Dr. Karmaveer
Bhaurao Patil, D. Litt.

Ref. No. 1099/2021-22

Date: 12/02/2022

Letter of Appreciation

To,
Dr. Tabbsum H Mujawar,
Assistant Professor,
Department of Electronics,
Punyashlok Ahilyadevi Holkar
Solapur University, Solapur

Dear Madam,

Thank you very much for delivering an informative & thought-provoking lecture as a guest speaker in State Level Webinar "**WSN: Opportunities, Challenges & Applications**" held on 12th February 2022 at Annasaheb Awate Arts, Commerce & Hutatma Babu Genu Science College, Manchar, Pune via online mode.

It was an excellent presentation that provided students to field practices. Your point of view on the issue was appreciated by all students, and they benefited from it.

I appreciate your contribution, time, and efforts in delivering the speech once again.

Thank you.



(Signature)
Principal

Annasaheb Awate College,
Manchar, Dist. Pune

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Rayat Shikshan Sanstha's

**Annasaheb Awate Arts, Commerce &
Hutatma Babu Genu Science College**

Manchar, Tal. Ambegaon, Dist. Pune



Department of Electronic Science

Organizes

State Level Webinar

On

WSN: Opportunities, Challenges & Applications

Date: 12th February 2022 Time: 11.30AM

Resource Person

Dr. Tabbsum H. Mujawar

Assistant Professor,

**Punyashlok Ahilyadevi Holkar Solapur University,
Solapur**

[CLICK HERE](#) to Register

Platform for webinar: GoogleMeet

Link for meeting: To join the video meeting, click this link:

<https://meet.google.com/rma-anix-bat>

Meeting Code: rma-anix-bat

Ms. A. M. DANGE
coordinator

Mr. S. A. BELAGE
Convenor

DR. K. G. KANADE
Principal
A A College, Manchar

Organizer: Ms. J. B. KHILARI (8624053490)