



Koneru Lakshmaiah Education Foundation

(Category -1, Deemed to be University estd. u/s. 3 of the UGC Act, 1956)

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Campus: Green Fields, Vaddeswaram - 522 302, Guntur District, Andhra Pradesh, INDIA.

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23-04-2020

Webinar on "Wireless Channel Models with MATLAB"

Circular:

4/3/24, 3:13 PM

Mail - HOD-ECE - Outlook

ECE Webinar (3) on "Wireless Channel Models with MATLAB" on 22-04-2020 & 23-04-2020-Reg.

HOD-Department of Electronics and Communication Engineering <hod.ece@kluniversity.in>

Tue 21-04-2020 10:52

To:ECE Faculty <ecfaculty@kluniversity.in>;deanengg@klh.edu.in <deanengg@klh.edu.in>;ecehod@klh.edu.in <ecehod@klh.edu.in>;koteswararao@klh.edu.in <koteswararao@klh.edu.in>;KLH Director <director@klh.edu.in>;ALL HODS <hods@kluniversity.in>;All Deans <deans@kluniversity.in>;Suman Maloji <suman.maloji@kluniversity.in>
Cc:PRINCIPAL - COE <principal.coe@kluniversity.in>;Vice Chancellor - KLU <vc@kluniversity.in>;PRESIDENT <president@kluniversity.in>

1 attachments (396 KB)

Webinar 3.jpg:

Respected Sir/Madam,

In the series of webinars, the third webinar is scheduled and the details are as follows.

Webinar: "Wireless Channel Models with MATLAB"

Speaker: Dr. Madhukar Deshmukh, Professor & Deputy HOD, ECE Dept.

Expert Talk Series: 03

Date: 22-04-2020 & 23-04-2020

Time: 10 AM

Register Here:



<https://forms.gle/Hg2hVfyxhAKEWAdLA>

	<p>Wireless Channel Models with MATLAB</p> <p>By Dr. Madhukar Deshmukh, Professor & Deputy HOD, ECE Dept.</p> <p>forms.gle</p>
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Interested faculty are requested to register using the above mentioned link. All HODs are requested to share the details in the respective department.

Thank You,



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Poster:



Mark the Date
 22-04-2020
 &
 23-04-2020
 10AM - 11AM

Register Here
<https://forms.gle/QEmQcWqKZr9QQ1rT8>
 QR Scan

WEBINAR
 on
Wireless Channel Models with MATLAB

SPEAKER
 Dr. Madhukar Deshmukh
 Professor & Deputy HOD
 ECE Dept.
madhukar_aau@kluniversity.in

Expert Talk Series **Talk 3**

Fig. Poster of webinar

1. Objective and discussions:

Wireless channel models are essential for simulating and analyzing wireless communication systems in MATLAB. These models help to understand the behavior of wireless channels and evaluate the performance of communication systems under various conditions. Here's a basic guide to implementing wireless channel models in MATLAB:

- 1. AWGN (Additive White Gaussian Noise) Channel:** This is the simplest wireless channel model, where noise is added to the transmitted signal. You can generate AWGN noise in MATLAB using the `awgn` function and add it to your transmitted signal.



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Rayleigh Fading Channel: Rayleigh fading models the effect of multipath propagation in wireless channels. In MATLAB, you can simulate Rayleigh fading by generating complex Gaussian random variables and multiplying them with the transmitted signal.

These are just basic examples of wireless channel models in MATLAB. Depending on your specific requirements and research interests, you may need to implement more complex channel models, such as frequency-selective fading channels or MIMO (Multiple Input Multiple Output) channels. MATLAB provides a rich set of tools and functions for simulating wireless communication systems, allowing you to model and analyze various aspects of wireless channels effectively.

Online Link

<https://us02web.zoom.us/j/475738456783?pwd=engTWERworenrTTTTwerOOJK07>

Number of student participants: 32



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Close Participants (61)

- DK Dr.Aswin Kumer S V
- D Dr.S.Sunithamani
- DT Durga Tripathi
- Ghali venkata subbarao
- IV I Veeraraghava Rao (5138)
- K V K V L Pavan Kumar
- K kalivaraprasad
- LP Lakshmi Prasanna J
- ML M LAKSHMANA KUMAR(52...
- MK M.Ravi kumar
- MD Madhukar Deshmukh
- Mona Mudaliar

Chats Invite Mute All Unmute All

Fig. List of participants

List of the Participated Students: 32

S. No.	Roll No	Name
1	180040084	POTUKUCHI SAI BHAVANI PRASAD
2	180040193	BYREDDY THARUN KUMAR REDDY
3	180040206	BANDREDDY GOWTHAM SAI
4	180040388	GANGISETTI VIVEK
5	180040008	MURALA SUNAND KUMAR GOUD
6	180040094	MUTTA VENKATA SAI DEEPAK
7	180040617	REDDY VIKRAMA SATYA ABHIRAM
8	180040026	KADAPA KRANTHI KIRAN
9	180040127	PENMETSA POOJITHA
10	180040286	GURUGULURI VENKATESWARA REDDY
11	180040586	KAJA MANIKANTA
12	180040627	PEDDINA JAYARAM
13	180040691	KAKARLAPUDI SRI HARIKA
14	180040252	KANDI KAMALASAI
15	180040470	NIMMAGADDA LAKSHMI SOUNDARIYA
16	180040605	SAI KARTHIK KONAGALLA
17	180040660	KANCHI MOHIT KUMAR
18	180040052	SAGINALA KHADERBASHA
19	180040256	NEKKALAPU ESWAR
20	180040513	DEVARASHETTY NIKITH



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21	180040705	TALLAPALLE VENKATA SAI GANGADHAR
22	180040145	BHIMANA PRASANTH
23	180040229	GEDDADA SAI SANDEEP
24	180040445	YETCHINA VENKATA SAICHARAN
25	180040460	JONNALAGADDA SREE HARSHITHA
26	180040153	TOVITI NARENDRA KUMAR
27	180040179	BUDARAJU GNANA SAI RAMACHARAN HANUMA TEJA
28	180040595	MALLEPULA DURGADHEERAJ
29	180040027	PATNAM KARTHIK
30	180040157	PIDIKITI HEMCHAND
31	180040073	MUPPALLA LAKSHMIPRIYA
32	180040168	DEVARAPALLI PRIYATHAM REDDY
33	180040450	DEBBADI BHANU TEJA
4	180040130	DESINEEDI SAI RAGHAVENDRA


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