



# KLEF

**KONERU LAKSHMAIAH EDUCATION FOUNDATION**

(Deemed to be university estd, u/s, 3 of the UGC Act, 1956)

(NAAC Accredited "A++" Grade University)

**DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**



Date: 07/04/2021

## *KLEF NI Centre Of Excellence*

<b>Event Date(s)</b>	<b>: 07/04/2021</b>
<b>Event Time</b>	<b>: 1.30 pm to 3.30 pm.</b>
<b>Event Name</b>	<b>: Spectrum Sensing and Channel Modelling using USRP</b>
<b>Event Category</b>	<b>: Webinar</b>
<b>Event Objective</b>	<b>: To understand the connection and working of NI USRP and analyse the Spectrum Sensing</b>
<b>Event Venue / Room No.</b>	<b>: Online mode</b>
<b>Faculty Coordinator EMP.ID</b>	<b>: 4621</b>
<b>Faculty Coordinator Name</b>	<b>: Dr.M.Sujatha, Professor, ECE</b>
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### **DESCRIPTION:**

Webinar on “**Spectrum Sensing and Channel Modelling using USRP**” was conducted for faculty and Students of KLEF.

In cognitive radio, the secondary users can sense the spectral environment and use this information to opportunistically access the licensed spectrum in the absence of the primary users. Two different spectrum sensing techniques to detect primary user signals in real environment were discussed. An Universal Software Radio Peripheral platform with GNU-Radio was given hands on for implementation purpose.

## CONTACT PERSON:

**Ms.R.Mahalakshmi, Assistant Professor(Senior Grade), B.S Abdur Rahman CRESCENT Institute of Science and Technology, Chennai**

Registration Link : <https://forms.gle/CfM5dd3Mg7kKmPvG8>

## Digital Poster

Department of Electronics & Communications

# SPECTRUM SENSING AND CHANNEL MODELLING USING USRP

7th April 2020  
1:30 P.M to 3.10 P.M

Resource person  
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Research Group Head  
**Dr. K. S. Ramesh**  
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Convener  
**Dr.M.Sujatha**  
Professor, ECE, KL

Co-Conveners  
**Dr. K. Praghash**  
Assistant Professor, ECE, KL  
**Dr.Chella Santhosh**  
Associate Professor, ECE,KL  
**Dr. Lakshman Pappula,**  
Associate Professor, ECE, KL

Registration link for the webinar is given below.  
<https://forms.gle/CfM5dd3Mg7kKmPvG8>

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LabVIEW  
CERTIFIED ASSOCIATE DEVELOPER

On 07/04/2021, Ms.R.Mahalakshmi, Assistant Professor(Senior Grade),B.S Abdur Rahman CRESCENT Institute of Science and Technology, Chennai ,resource person of the webinar discussed on software dedined Radio using NI USRP.Channel modelling,Spectrum Sensing and hands on training on the connection and working of NI USRP 2920 was discussed.

## Webinar Outcome:

Students were able to detect primary user signals in real environment. Students were able to implement Software Radio Peripheral platform with GNU-Radio.

## List of Registered participants

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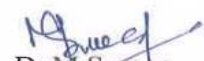
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