



## **Koneru Lakshmaiah Education Foundation**

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### **Guest Lecture**

#### **On**

### **“Significances of Radar Cross-Section ”**

**Microelectronics Research Group of Department of ECE**

**8<sup>th</sup> January 2022**

- Department Name** : ECE
- Event Date(s)** : 08/01/2022
- Event Time** : 10 a.m onwards
- Title** : Significances of Radar Cross-Section
- Recourse Person** : Dr.Nihar Kanta Sahoo, Research Engineer, Research & Development Division, Numeregion's TaraNG Pvt Ltd., Pune
- Event Venue / Room No.** : Online
- Convenor** : Dr. Arjun Muduli, Assoc. Professor, Department of ECE, KLEF
- Department Chair** : Dr. M. Suman, Professor & Head, ECE, KLEF  
Dr. M. Goutham, Professor & Head, ECE, KLH

**Event Description:** Through engaging discussions Industry expert Dr N K Sahoo delve into the intricate realm of Radar Cross-Section (RCS) and unravel its profound significance in radar technology. Radar Cross-Section, a cornerstone concept in radar engineering, holds the key to understanding an object's detectability and stealth capabilities. Throughout the lecture,

participants will embark on a journey through the theoretical underpinnings of RCS, exploring its implications across diverse applications such as defense, aerospace, and beyond.

1. The fundamental principles governing RCS and its impact on radar performance.
2. Techniques for measuring and analyzing RCS signatures to assess radar visibility.
3. Strategies for mitigating RCS and enhancing stealth characteristics in radar design.
4. Real-world applications of RCS in military operations, surveillance, and civilian radar systems.

**Electronics & Communication Engineering**

CATEGORY 1 UNIVERSITY BY MHRD, Govt. of India

KL ACCREDITED BY NAAC WITH A++ GRADE

nirf NATIONAL INSTITUTIONAL RANKING FRAMEWORK 2020 RANKED 35 UNIVERSITIES

41 YEARS OF EDUCATIONAL LEADERSHIP

**8th January @ 10.00 AM** 2022

Online Guest Lecture in Association with IEEE MTT-S SBC, KLEF

Online Guest Lecture

**SIGNIFICANCES OF RADAR CROSS SECTION**

**Program Chairs**

**Dr.M.Suman**  
Professor, HOD, ECE

**Dr. M. Goutham**  
Professor, HOD, KLH

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**Technical Advisors:**

**Dr. D. V. Ratnam**  
Prof. & Head (Research), ECE

**Dr. K.S Ramesh**  
Professor and CSRG Head, ECE

**Program Convenor**

**Dr. Arjuna Muduli,**  
Assoc.Prof., Department of ECE,

**Dr. Nihar Kanta Sahoo**  
Research Engineer,  
Research & Development Division,  
Numeregion's TaraNG Pvt Ltd., Pune,

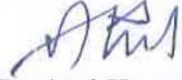
Registration link  
<https://forms.office.com/r/rQN6mZ4Yt4>

**List of students**

S. No	Regd. No	Name
1	2100010001	ALLAM SAI SREE THANAY
2	2100010002	BOBBA DEVI SRI SIDDHARTHA
3	2100010003	CHAGAMREDDY BAVITHA
4	2100010004	BOYAPATI JASVITHA
5	2100010005	JOAN SARAH AJI
6	2100010006	KOLLURU NAGA ROOPASREE
7	2100010007	PADAMATA VENKATA BHAVANA
8	2100010008	GOWRI SRI VARSHA R
9	2100010009	RAVULA NANDINI
10	2100010010	SHAIK MD NAUSHEEN SALMA SULTANA


11	2100010011	T MANAS
12	2100010012	THOTAKURA SAI SWETHA
13	2100010013	VEERLA NAGA TRISHANKA
14	2100010014	TUMMALACHARLA PRAVEEN
15	2100010015	KURAPATI PRATHIKA SHALOM
16	2100010016	CHOPPAVARAPU SINDHU
17	2100010018	KOSURI HUTHA PRIYANKA
18	2100010019	BHIMIREDDY BHAASHITHA
19	2100010020	LEENA SAI GUDELA
20	2100010021	NADAKUDURU TEJASWI
21	2100010022	GEYA GOVIND
22	2100010023	NARNE NAGINI
23	2100010024	NANDIGUM SAI ANVESH
24	2100010025	KADIYALA YOSHITHA
25	2100010026	KUDALI VINEETHA
26	2100010027	PAPPULA VARSHITHA
27	2100010028	MACHAVARAPU BHAVITHAVYA KUMAR
28	2100010029	KURRA SHRINIDHI
29	2100010030	PANCHAKARLA LAASYA LALITHA SRI
30	2100010031	Amulya Sai Mandava
31	2100010033	KORLIPARA NAGA SAI ABHIRAM
32	2100010034	PEDDIREDDY VENKATA SAI DEEPIKA
33	2100010035	KROVVIDI HIMABINDU
34	2100010036	CHEGIREDDY KAVYA
35	2100010037	KASA JASWANTH KALYAN
36	2100010038	RUSHITHA DEEKSHITULA
37	2100010039	SHAIK MOHAMMED AATHIQ JAZEE
38	2100010040	POTHURI VISHNU
39	2100010041	PUDI VAMSHIKA
40	2100010042	THOTAKURA BHAVYA SRI
41	2100010043	DAMISETTY JAHNAVI DEVI
42	2100010044	BUDITHI PUSHPA HANSA SREE SUSAN
43	2100010045	GULLAPALLI VENNELA CHOWDARY
44	2100010046	MARAM VIGNAYA
45	2100010047	VUPPALAPATI MANOGNA
46	2100010048	DIVI HARIKA
47	2100010049	REDDEM ABHINAYA
48	2100010050	AREPALLI YAMINI
49	2100010051	MEKALA DEEKSHITA

50	2100010052	PULIMI SRI LASYA
51	2100010053	BADE DURGA BHARGAVI
52	2100010054	KUCHIBHOTLA ABHINAYA SRAVANI
53	2100010055	POLOJU AKSHITHA



Dr. Atul Kumar

**Signature of Faculty Coordinator**



Dr. M. Suman  
Professor & Head  
Department of ECE  
Signature of HOD-ECE

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