Swami Keshvanand Institute of Technology, Management & Gramothan
Ramnagaria, Jagatpura,

Annual Report

IEEE MTT-S Student Chapter

Index

2023-24		
Date	**Event**	**Topic**
24/4/2024	DML Lecture	Portable Radar System at the Human Microwave Frontier: Life Activity Sensing & Human Tracking
22/4/2024	DML Talk	Millimeter Wave Trans receiver Chips with Antenna in Package
20/3/24	Expert Talk	Expert Session on VLSI Technology at lower nodes: Challenges and Issues
5/3/2024	Distinguish Instructor Workshop	Education around the World A Hybrid Seminar

Report on :- Portable Radar System at the Human Microwave Frontier: Life Activity Sensing & Human Tracking

Date, Time and Venue of the event: - 24 April 2024/ 700 PM -8:00 PM / Ms Team (Online)

Level of the event: - College level

Event brochure / banner: -

Details/List of invited guest/speakers: -Dr. Changzhi Li (Texas Tech University USA).

Objective of the event:-IEEE-MTT-s student chapter of Swami Keshvanand Institute of Engineering and Technology Management and Gramothan, Jagatpura organised an interactive session on " Portable Radar System at the Human Microwave Frontier: Life Activity Sensing & Human Tracking " on 24.04.24. An Enriching Experience for MTT-S Members and Speakers Women in Microwaves Abstract: IEEE offers a Distinguished Lecturers Program, allowing Chapters to host distinguished lecturers who are excellent speakers and experts in their respective topical fields. The Instructors will also share their own experience of growth.

Details (Execution):-

At the beginning of this interactive session Dr. Shubhi Jain briefed about the IEEE- MTT-S student chapter of college. In this interactive session Dr. Changzhi Li told the students about provide an overview of the state-of-the-art smart radar sensors powered by advanced digital/RF beamforming, multiple-input and multiple-output (MIMO), inverse synthetic-aperture radar (ISAR) technique, and deep learning. A few examples based on interferometry, Doppler, frequency-shift keying (FSK), and frequency-modulated continuous-wave (FMCW) modes at 5.8 GHz, 24 GHz, and 120 GHz will be discussed. The DIW program is jointly supported by the IEEE Antennas and Propagation Society (AP-S) and Microwave Theory and Techniques Society (MTT-S). The DIW program aims to stimulate the interests among undergraduate or tertiary students to bridge the pathway to the development of future wireless communications technologies. Through the DIW program, world-famous educators and engineers will introduce the history of microwave antenna technologies, the evolution of modern wireless systems, and the cutting-edge wireless applications to be used in our daily lives in the foreseeable future. The Instructors will also share their own experience of growth .He further briefed the students about wideband mode switching quad mode and what are its applications . This interactive session was concluded by the note of thanks by Associate Dr. Shubhi Jain.

Details/List of teacher participants:-

Sr. No.	Name of Teacher	Branch
1	Dr. Shubhi Jain	ECE
2	Dr. Nialm Choudhary	CSE

Attendance sheet of participants:-

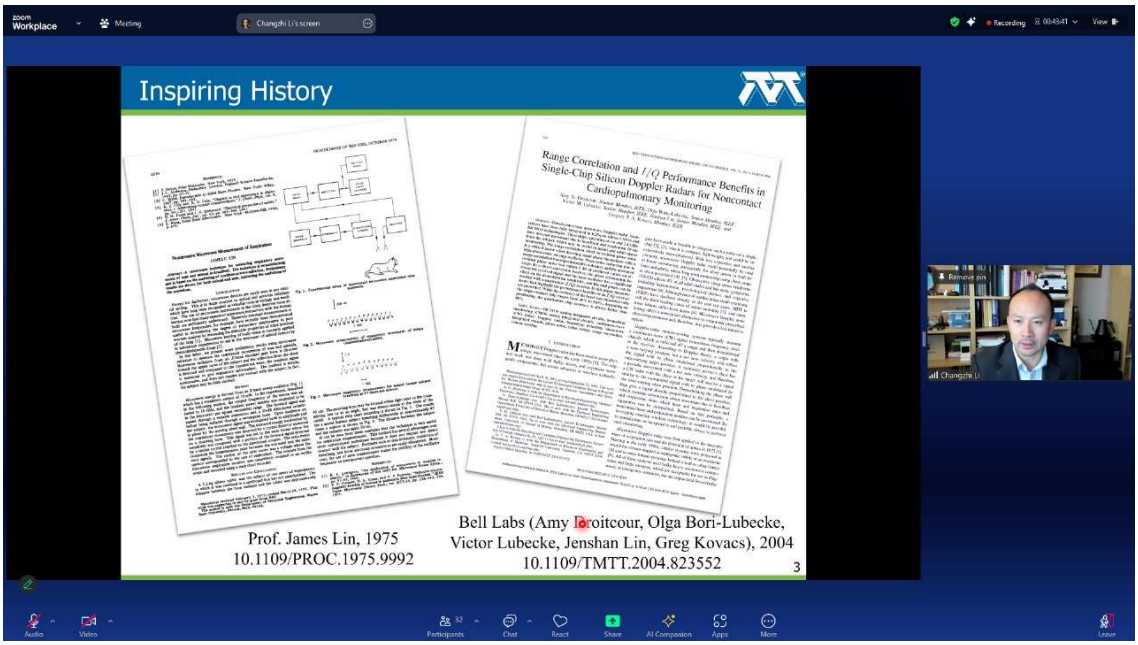
S.N	NAME	YEAR	COURSE
1	Akshat Agarwal	2ND	B.TECH
2	Surajit Sur	2ND	B.TECH

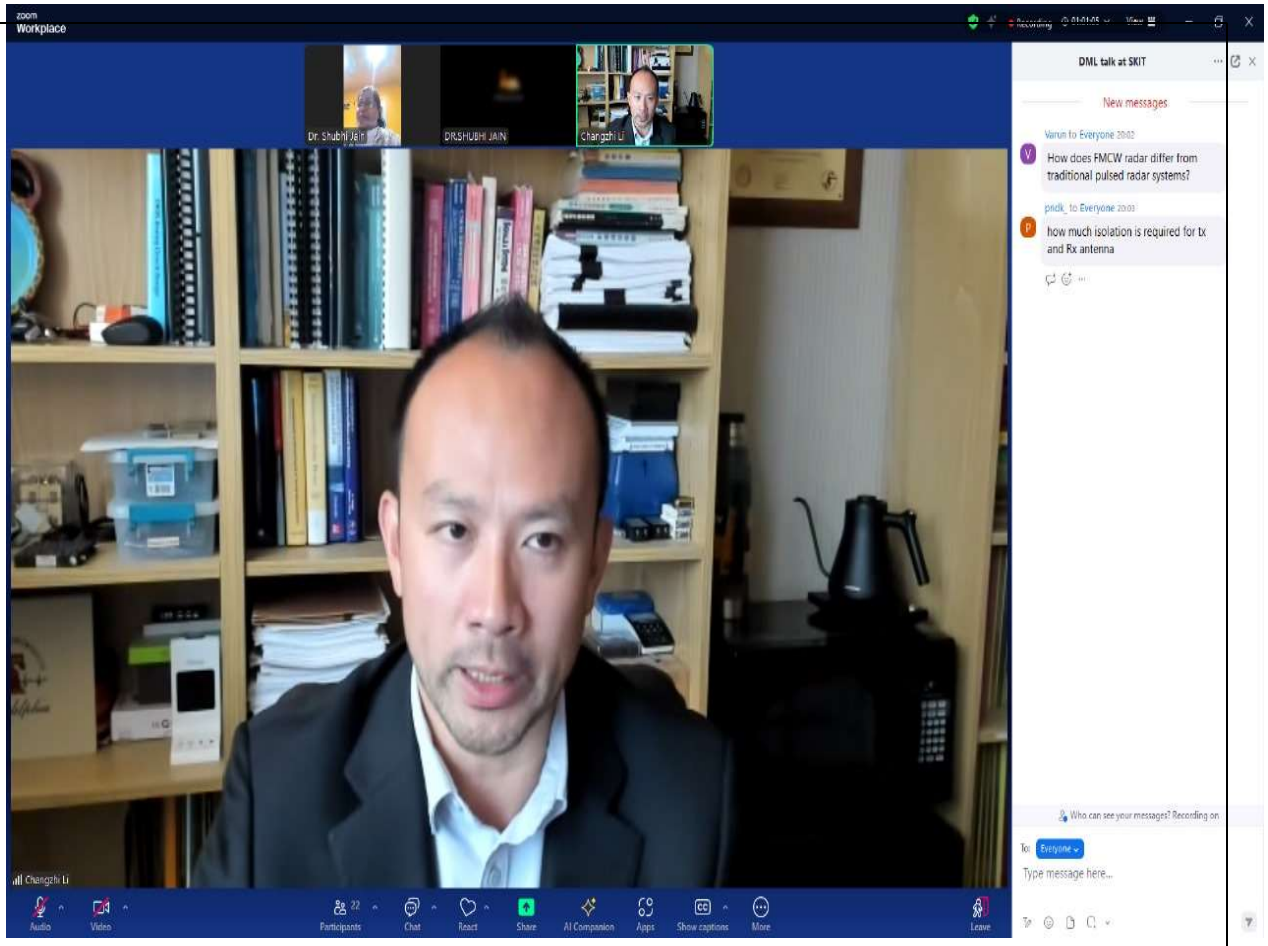
3	Divy Parikh	2ND	B.TECH
4	Tariq abdul Ghani	3RD	B.TECH
5	Aarchi Rathore	3RD	B.TECH
6	Sami Verma	3RD	B.TECH
7	Ananya Singh Choudhary	3RD	B.TECH
8	Jeet Banerjee	2ND	B.TECH
9	Aman Joshi	3RD	B.TECH
10	Akshita	2ND	B.TECH
11	Manas Tripathi	3RD	B.TECH
12	Shubham Raj	2ND	B.TECH
13	Akshita Saxena	2ND	B.TECH
14	Chandra prakash	3RD	B.TECH
15	Niha Sadiya	2ND	B.TECH
16	Anirudh	2ND	B.TECH
17	Anushka	2ND	B.TECH
18	Goli Pavan Kumar	3RD	B.TECH
19	ABHIMANYU ARYA	2ND	B.TECH
20	Aditya Sharma	3RD	B.TECH
21	Pratyush Dube	1ST	B,TECH
22	TUSHAR SHANDILYA	2ND	B.TECH
23	vivek	2ND	B.TECH
24	Soumya prasad	2ND	B.TECH
25	manish singh	2ND	B.TECH
26	Akshat Agarwal	2ND	B.TECH
27	Surajit Sur	2ND	B.TECH

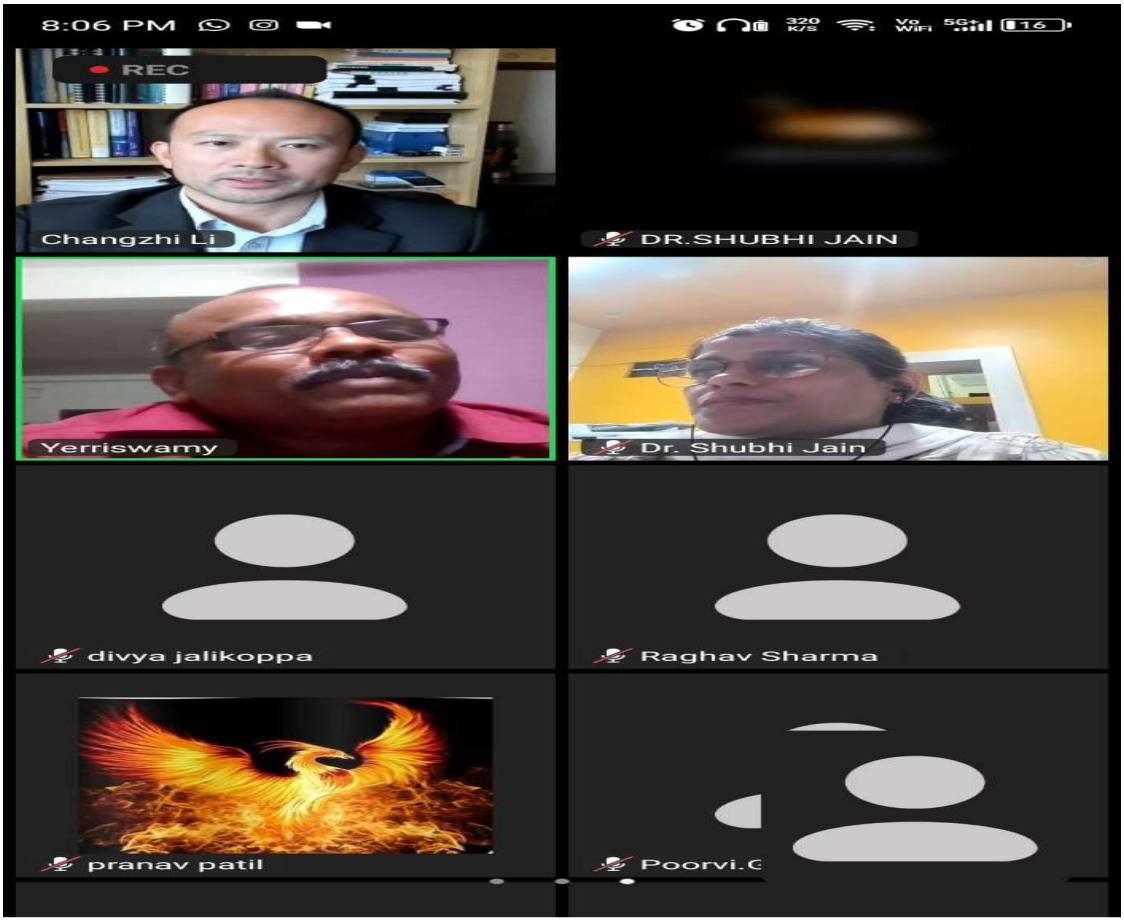
28	Divy Parikh	3RD	B.TECH
29	Tariq abdul Ghani	2ND	B.TECH
30	Aarchi Rathore	2ND	B.TECH

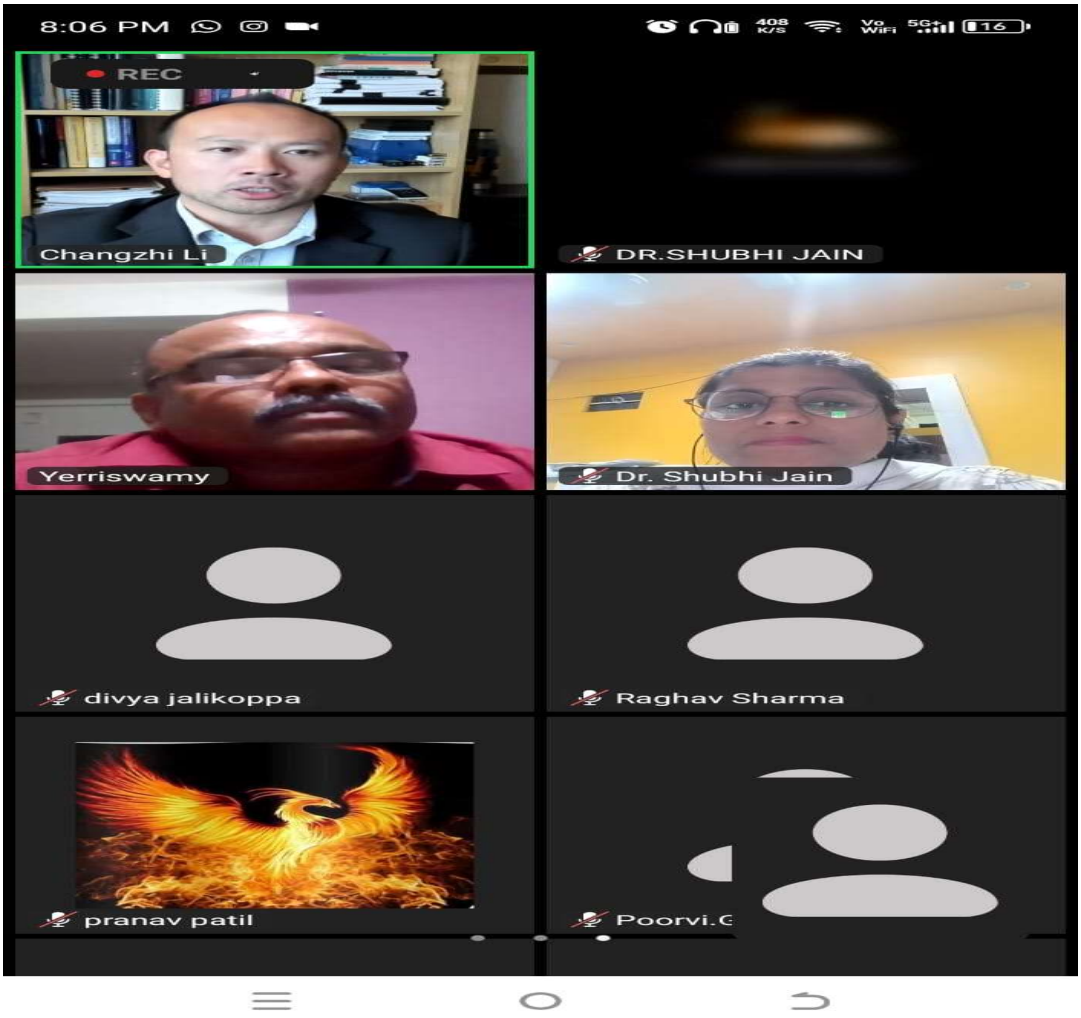
Details of winners / prize distribution:- NA

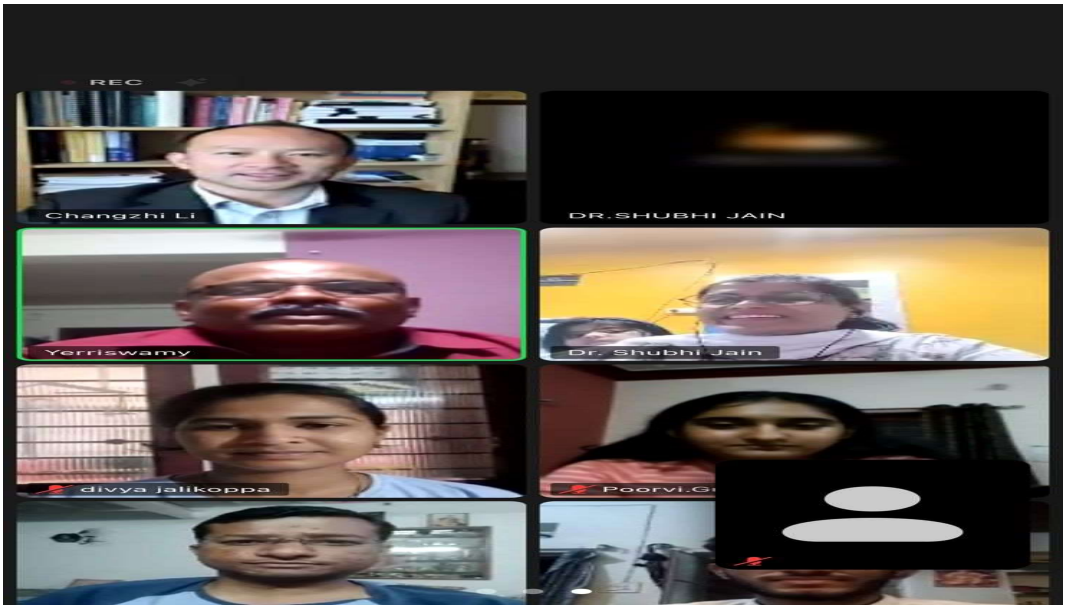
Photos of event (without Geotagged at least 4):-

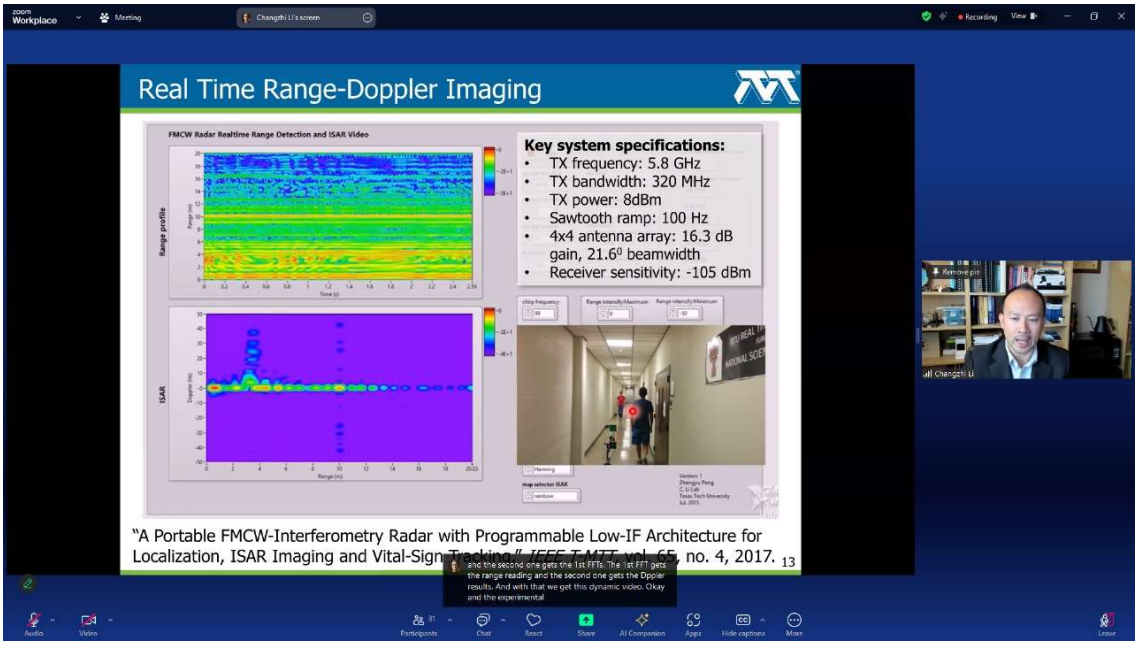


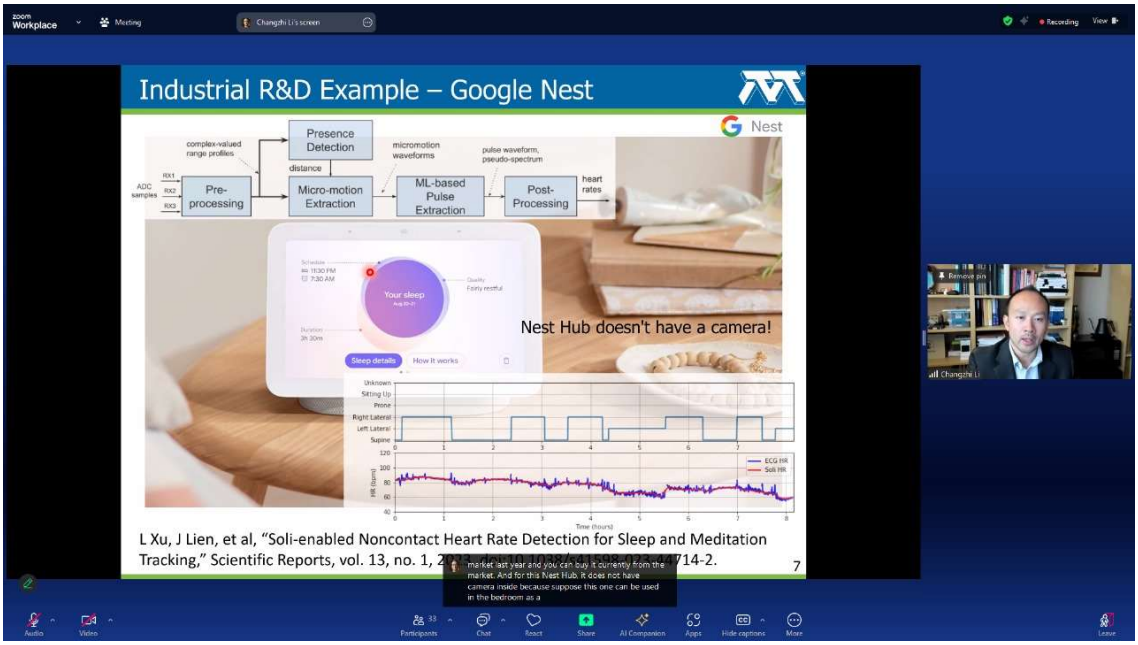

zoom
Workplace
Dr. Shubhi Jain
DRSHUBHI JAIN
Changzhi Li
DML talk at SKIT
New messages
Varun to Everyone 20:02
How does FMCW radar differ from traditional pulsed radar systems?
pridk_ to Everyone 20:03
how much isolation is required for tx and Rx antenna
Who can see your messages? Recording on
To: Everyone
Type message here...
Changzhi Li
Audio
Video
Participants
Chat
React
Share
AI Companion
Apps
Show captions
More
Leave


8:06 PM
REC
Changzhi Li
DR.SHUBHI JAIN
Yerriswamy
Dr. Shubhi Jain
divya jalikoppa
Raghav Sharma
pranav patil
Poorvi.G


8:06 PM
REC
Changzhi Li
DR.SHUBHI JAIN
Yerriswamy
Dr. Shubhi Jain
divya jalikoppa
Raghav Sharma
pranav patil


REC
Changzhi Li
DR.SHUBHI JAIN
Yerriswamy
Dr. Shubhi Jain
divya jalikoppa


Real Time Range-Doppler Imaging
FMCW Radar Realtime Range Detection and ISAR Video
Range profile
ISAR
Key system specifications:
• TX frequency: 5.8 GHz
• TX bandwidth: 320 MHz
• TX power: 8dBm
• Sawtooth ramp: 100 Hz
• 4x4 antenna array: 16.3 dB gain, 21.6⁰ beamwidth
• Receiver sensitivity: -105 dBm
"A Portable FMCW-Interferometry Radar with Programmable Low-IF Architecture for Localization, ISAR Imaging and Vital-Sign Tracking," IEEE T-MTT, vol. 65, no. 4, 2017.
13
and the second one gets the 1st FFTs. The 1st FFT gets the range reading and the second one gets the Doppler results. And with that we get this dynamic video. Okay and the experimental


Industrial R&D Example – Google Nest
Nest
Presence Detection
Pre-processing
Micro-motion Extraction
ML-based Pulse Extraction
Post-Processing
complex-valued range profiles
distance
micromotion waveforms
pulse waveform, pseudo-spectrum
heart rates
ADC samples
Nest Hub doesn't have a camera!
Your sleep
Sleep details
How it works
Unknown
Sitting Up
Prone
Right Lateral
Left Lateral
Supine
ECG HR
Soli HR
HR (bpm)
Time (hours)
L Xu, J Lien, et al, "Soli-enabled Noncontact Heart Rate Detection for Sleep and Meditation Tracking," Scientific Reports, vol. 13, no. 1, 2
714-2.
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market last year and you can buy it currently from the market. And for this Nest Hub, it does not have camera inside because suppose this one can be used in the bedroom as a

Certificates: -

IEEE Bangalore Section | MTT-S IEEE MICROWAVE THEORY & TECHNOLOGY SOCIETY | IEEE COMPUTER SOCIETY | MTT-S IEEE MICROWAVE THEORY & TECHNOLOGY SOCIETY

IEEE Delhi Section | SKIT NAAC A++ CGPA of 3.67 on 4 point scale 5 Engineering Programs Accredited by NBA | KLE Technological University | IEEE Rajasthan Subsection

Distinguished Microwave Lecture

"Portable Radar System at the Human Microwave Frontier"

Certificate of participation

This is to certify that Aditya Sharma has Participated in the Virtual Distinguished Microwave Lecture on" Portable Radar System at the Human Microwave Frontier" organised by IEEE SKIT (Delhi Section) & IEEE KLE University (Banglore section) on 24th April 2024 in Virtual Mode.

Dr. Shubhi Jain
Advisor
IEEE MTT-S SBC SKIT, Jaipur

Dr.Nilam Choudhary
Advisor
IEEE CS-SBC, SKIT, Jaipur

Signature of Event Coordinator: -

(Dr. Shubhi Jain) SHUBHIJAIN

Report on: - Millimeter Wave Transreceiver Chips With Antenna in Package

Date, Time and Venue of the event: -
22 April 2024/ 11:00 AM - 12:00 PM / Ms Team (Online)

Level of the event: - College level

Event brochure / banner: -

Details/List of invited guest/speakers: - Prof. Quan Xue (South China University of Technology)

Objective of the event:-IEEE-MTT-s student chapter of Swami Keshvanand Institute of Engineering and Technology Management and Gramothan, Jagatpura organised an interactive session on "DML Talk on Millimeter Wave Trans receiver Chips With Antenna Package. This Programme is jointly supported by the IEEE Antennas and Propagation Society (AP-S) and Microwave Theory and Techniques Society (MTT-S). The DIW program aims to stimulate the interests among undergraduate or tertiary students to bridge the pathway to the development of future Miilimeter Wave Ics and Antenna in Package for advance wireless Communication.

Details (Execution):-

At the beginning of this interactive session Dr. Shubhi Jain briefed about the IEEE- MTT-S student chapter of college. The main aim of this session is to encourage students to participate in research and development projects in order to gain knowledge about technical skills and know the ways to improve their technical skills. The Participants will learn about ground breaking achievements that microwave and antenna technologies have made to human civilization, by engaging with the instructors, the students will have accesss to excellent educational resources ,touch evolution of microwave antenna engineering and feel the changes in the world through vibrant technologies such as Millimeter wave Communications ,virtual reality. The lecture series start with introduction of IEEE MTT-S Society .The Students were able to know about the trending Technologies

Details/List of teacher participants: -

Sr. No.	Name of Teacher	Branch
1	Dr. Shubhi Jain	ECE
2	Dr. Dinesh Yadav	ECE

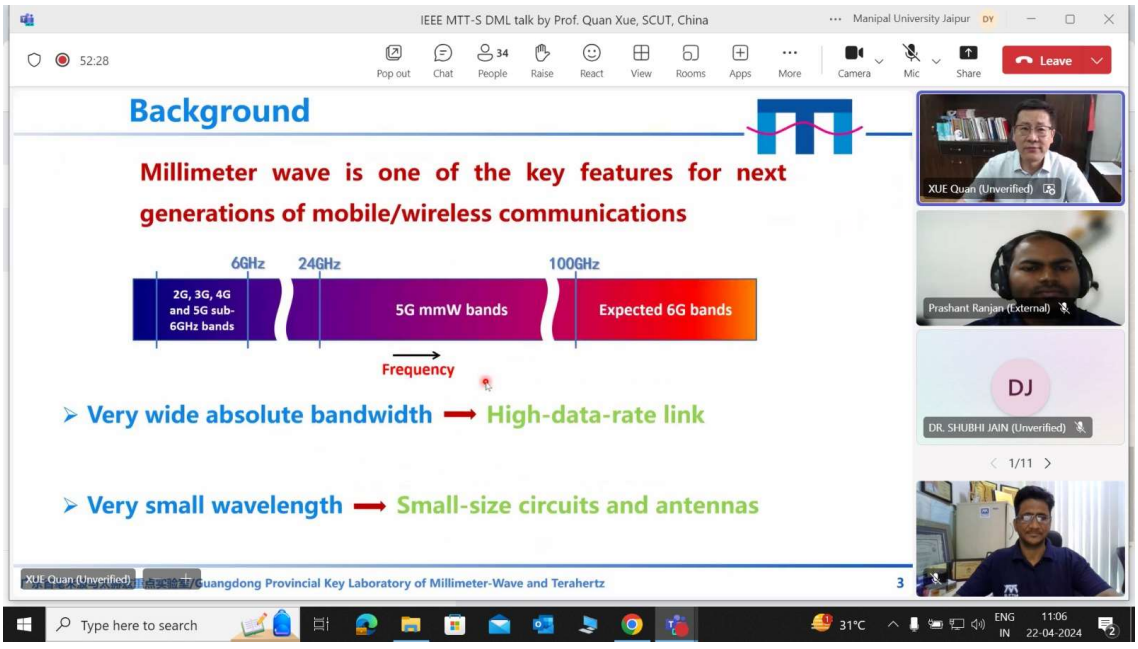
Attendance sheet of participants:

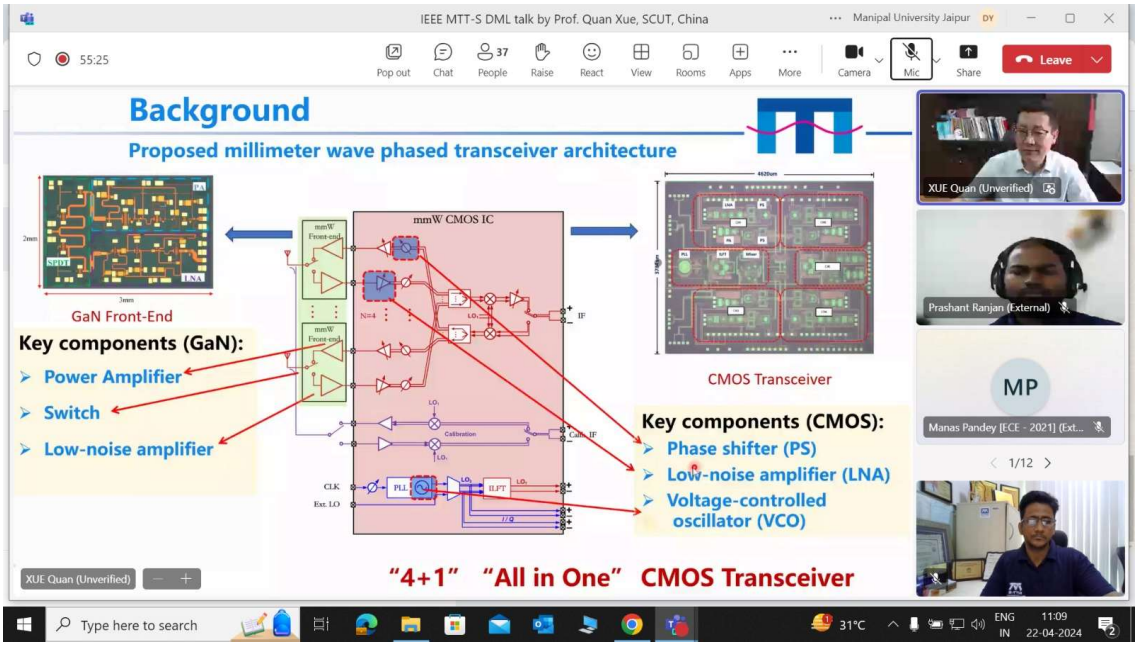
Akshat Agarwal
Surajit Sur
Divy Parikh
Tariq abdul Ghani
Aarchi Rathore
Sami Verma
Ananya Singh Choudhary
Jeet Banerjee
Aman Joshi
Akshita
Manas Tripathi
Shubham Raj
Akshita Saxena
Chandra prakash
Niha Sadiya
Anirudh
Anushka
Goli Pavan Kumar
ABHIMANYU ARYA
Aditya Sharma

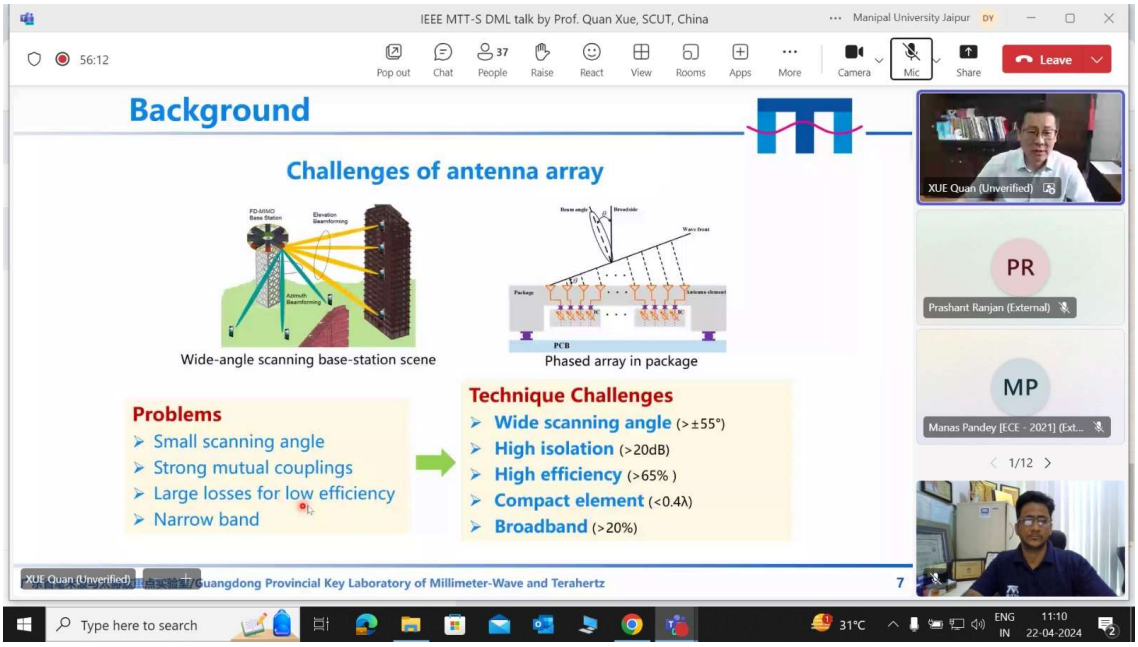
Pratyush Dube
TUSHAR SHANDILYA
Vivek
Soumya prasad
Manish singh

Details of winners / prize distribution:- NA

Photos of event (without Geotagged at least 4):-







Certificates: - NIL

Signature of Event Coordinator: -

(Dr. Shubhi Jain) SHUBHIJAIN

Report on
Expert Session on VLSI Technology at lower nodes: Challenges and Issues

Date, Time and Venue of the event: - 20th March 2024/ 1:30 PM -2:30 PM / J.C. Bose Seminar Hall

Level of the event: - College level

Event brochure / banner: -

Details/ List of invited guest/ speakers :- Prof. HS Jatana SG group Head Design and Process group, Dept of Space (Govt of India)

Objective of the event :- IEEE-MTT and IEEE-CS studet branch chapter of swami keshvanand institute of technology, management and gramothan jagatpura, Jaipur organized an interactive session on the topic 'VLSI Technology at lower nodes challenges and issues for the college students on 20.03.2024. Special guest for this interactive session was Expert HS Jatana, SG Group Design and Process group, Dept of Space (Govt of India)

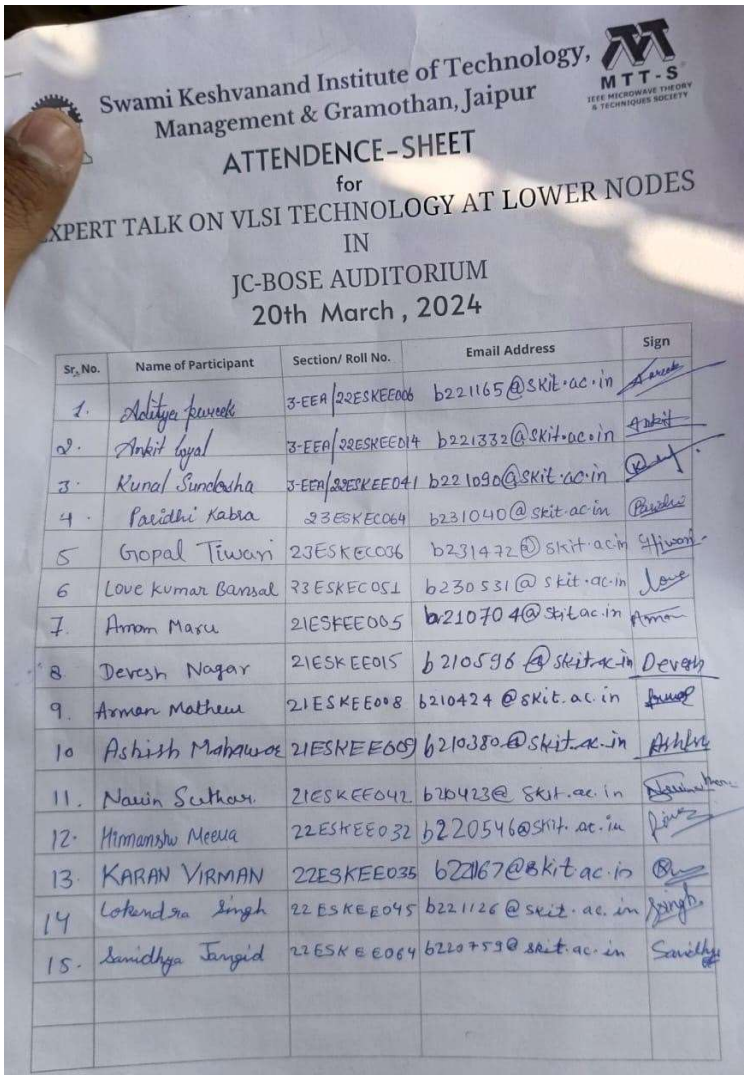
Details (Execution):-

At the onset of this interactive session, Dr. Neelam Chaudhary provided an overview of the IEEE-MTT and IEEE-CS student chapters and introduced the session's agenda. Following this, Dr. Rukhsar Zafar extended a warm welcome to our esteemed guest, Prof. HS Jatana, currently serving as the SG Group Head of the Design and Process Group at the Department of Space, Government of India, presenting him with a bouquet and a memento. Our distinguished guest inaugurated the session, delivering insightful remarks that enlightened and motivated the students. Prof. Jatana shared profound insightsinto CMOS technology, photoresist, and other related technologies, making the session informative and engaging. He fostered interaction by imparting valuable knowledge and elaborating on the processes involved in various technologies.Furthermore, Prof. Jatana emphasized the significant contributions that VLSI technology offers to students' academic pursuits and highlighted its potential in shaping their research careers. The primary objective of organizing this program was to raise awareness among students about the current trends in VLSI technology and to provide a roadmap for their VLSI careers, enabling them to apply their learning effectively. The session concluded with a vote of thanks delivered by Prof. (Dr.) Shubhi Jain, expressing gratitude to Prof. Jatana for his invaluable contribution.

Details/List of teacher participants:-

Sr. No.	Name of Teacher	Branch
1	Dr. Subhi Jain	ECE
2	Dr. Rukhsar Zafar	ECE
3	Dr. Nilam Choudhary	CSE
4	Mr. Vikas Pathak	ECE

Attendance sheet of participants:-



Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur

MTT-S IEEE MICROWAVE THEORY & TECHNIQUES SOCIETY

ATTENDENCE-SHEET

for

EXPERT TALK ON VLSI TECHNOLOGY AT LOWER NODES

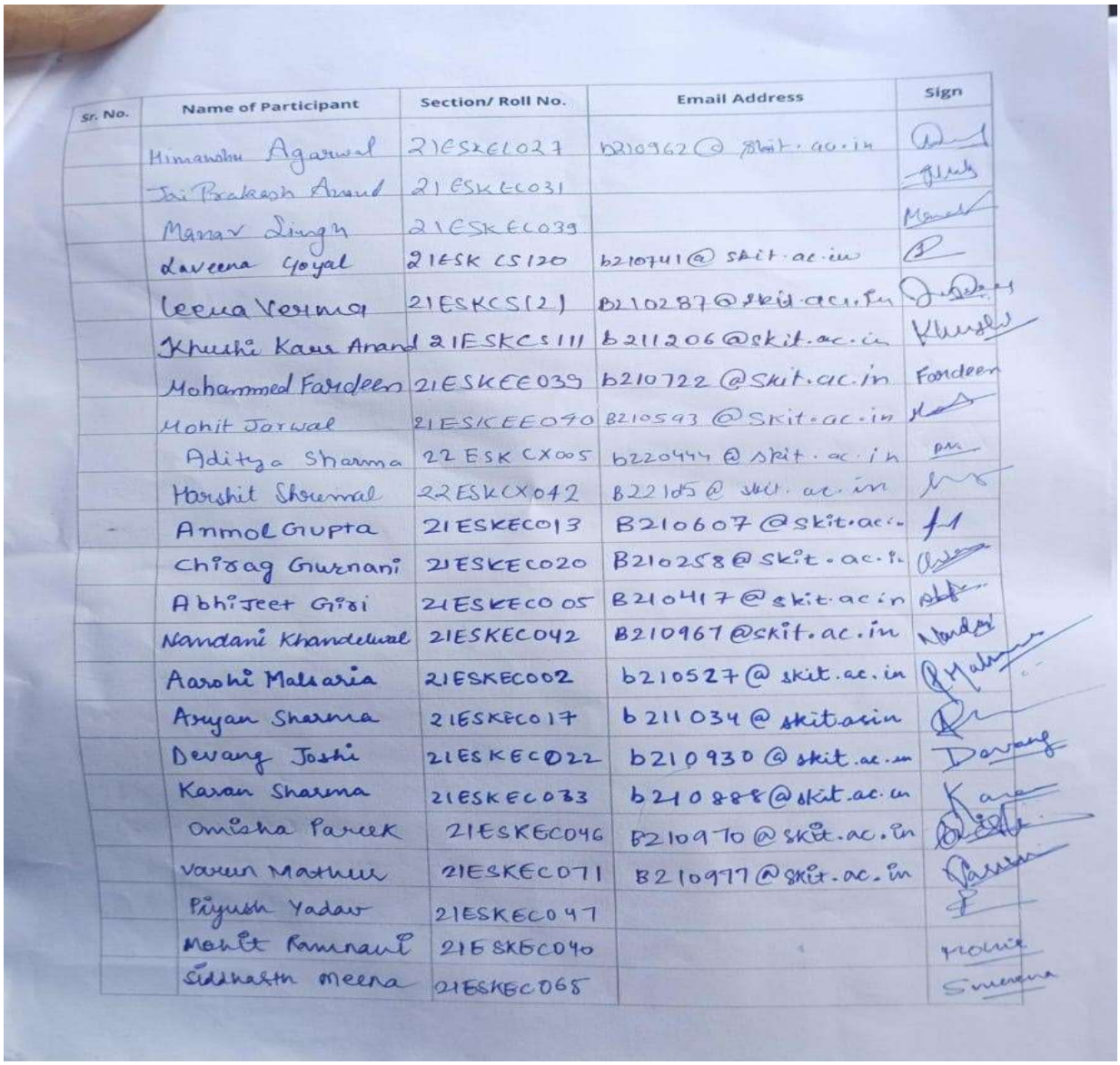
IN

JC-BOSE AUDITORIUM

20th March , 2024

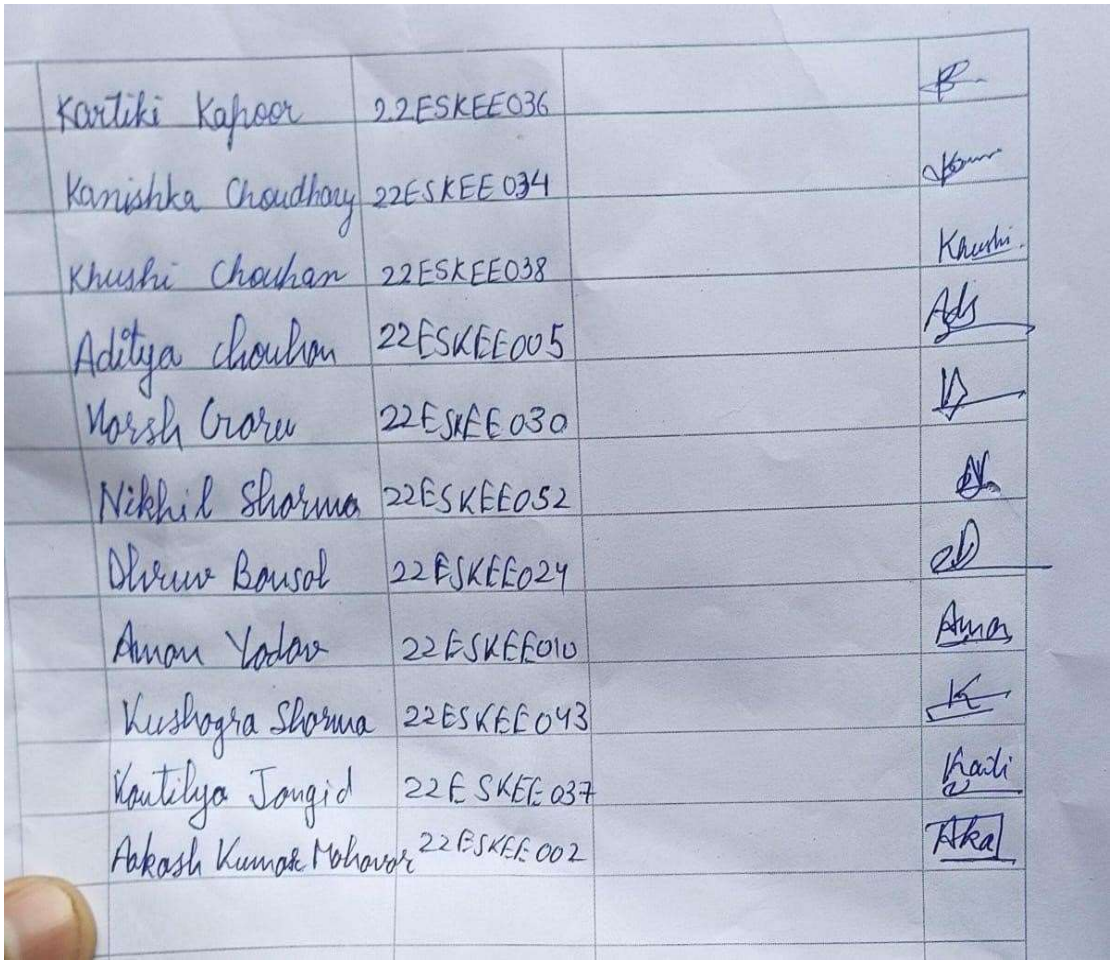
Sr. No.	Name of Participant	Section/ Roll No.	Email Address	Sign
1.	Aditya Jaiswal	3-EEA/22ESKEE006	b221165@skit.ac.in	
2.	Ankit Goyal	3-EEA/22ESKEE014	b221332@skit.ac.in	
3.	Kunal Sundesha	3-EEA/22ESKEE041	b221090@skit.ac.in	
4.	Paridhi Kabra	23ESKEC064	b231040@skit.ac.in	
5	Gopal Tiwari	23ESKEC036	b231472@skit.ac.in	
6	Love Kumar Bansal	23ESKEC051	b230531@skit.ac.in	
7.	Aman Masu	21ESKEE005	b210704@skit.ac.in	
8.	Devesh Nagar	21ESKEE015	b210596@skit.ac.in	
9.	Arman Mathew	21ESKEE008	b210424@skit.ac.in	
10	Ashish Mahawar	21ESKEE009	b210380@skit.ac.in	
11.	Navin Suthar	21ESKEE042	b210423@skit.ac.in	
12.	Himanshu Meena	22ESKEE032	b220546@skit.ac.in	
13.	KARAN VIRMAN	22ESKEE035	b22167@skit.ac.in	
14	Lokendra Singh	22ESKEE045	b221126@skit.ac.in	
15.	Savidhya Jangid	22ESKEE064	b220759@skit.ac.in	

Sr.no	Name of participents	Roll No	Email id	Sign
	Raj Tiwari	21ESKEC050		
	Rahul Kumawat	21ESKEC098		
	Satvik Priyadarshi	21ESKEC057		
	Saxam Dixit	21ESKEC060		
	Abhijeet Agarwal	21ESKEC004		
	Abhishek Kumar	21ESKEC007		
	Anupam Jain	21ESKEC014		
	Manav Singh	21ESKEC099		
	Jai Kumar Boonia	21ESKEC030		
	Bhavesh Agarwal	21ESKEC019		
	Naman Tak	21ESKEC041		
	Sanyam Bhusa	21ESKEC056		
	Lovesh chhabra	21ESKEC038		
	RAVI KUMAR	21ESKEC051		
	Vijal Sharma	21ESKEC059		
	Lakshya kumar Jindal	22ESKEE044		
	Pulkit Dhangar	22ESKEE055		
	Prem kumar meel	22ESKEE053		
	Rohit Tanwi	23ESKCS192		
	Bhavya Goyal	21ESKCX011		
	Vishal Kumar	21ESKEC075		
	Nitin Nagar	21ESKEC301		
	Vikram Pal	21ESKEC074		



Sr. No.	Name of Participant	Section/ Roll No.	Email Address	Sign
	Himanshu Agarwal	21ESKEC027	b210962@skit.ac.in	
	Jai Prakash Anand	21ESKEC031		
	Manav Singh	21ESKEC039		
	Laveena Goyal	21ESK CS120	b210741@skit.ac.in	
	Leena Verma	21ESKCS121	B210287@skit.ac.in	
	Khushi Kaur Anand	21ESKCS111	b211206@skit.ac.in	
	Mohammed Fardeen	21ESKEE039	b210722@skit.ac.in	
	Mohit Jarwal	21ESKEE040	B210593@skit.ac.in	
	Aditya Sharma	22ESKCX005	b220444@skit.ac.in	
	Harshit Sharma	22ESKCX042	B221d5@skit.ac.in	
	Anmol Gupta	21ESKEC013	B210607@skit.ac..	
	Chirag Gurnani	21ESKEC020	B210258@skit.ac.in	
	Abhijeet Giri	21ESKEC005	B210417@skit.ac.in	
	Nandani Khandelwal	21ESKEC042	B210967@skit.ac.in	
	Aarohi Maharia	21ESKEC002	b210527@skit.ac.in	
	Aryan Sharma	21ESKEC017	b211034@skit.ac.in	
	Devang Joshi	21ESKEC022	b210930@skit.ac.in	
	Karan Sharma	21ESKEC033	b210888@skit.ac.in	
	Omisha Pareek	21ESKEC046	B210970@skit.ac.in	
	Varun Mathur	21ESKEC071	B210977@skit.ac.in	
	Piyush Yadav	21ESKEC047		
	Mohit Ramnani	21ESKEC040		
	Siddharth Meena	21ESKEC065		

			Rsingh
Ruchi Singh	21ESKEC054		Aneefa
Aneefa Makkar	22ESKEC200		[illegible]
Karishma Kumawat	21ESKEC034		[illegible]
Dishika sharma	21ESKEC023		
			[illegible]
Komal Kumawat	21ESKCS113		[illegible]
Khushi Agarwal	21ESKCS110		Deepk
Deepak Kumar	22ESKEC022		Ks
Kuldeep Gurjar	22ESKEG40		Vy
Gourav Yadav	22ESKEG29		
Manoj Tak	22ESKEC015		
Abhishek Kumar	22ESKEC007		
Nikhil sharma			
Somya Roy	23ESKCY047		Somya
Deepanshu Khandelwal	21ESKEC021		Deepansh
Abhimanyu S. Rathor	23ESKEC003		[illegible]
Aman Bansal	23ESKEC011		Aman
Aditya Kumar Singh	23ESKEC006		Aditya
Mohit Kumar Saini	23ESKCY003		[illegible]
Harsh Kumar	23ESKEC037		Harsh.
Aayush JHa	23ESKEC002		[illegible]
Mayank Sharma	23ESKEC055		[illegible]
Bhumika Khatri	23ESKEC015		Bhumika.
Kanshika Jain	23ESKEC044		[illegible]
Naveen Dhanka	23ESKEC061		[illegible]

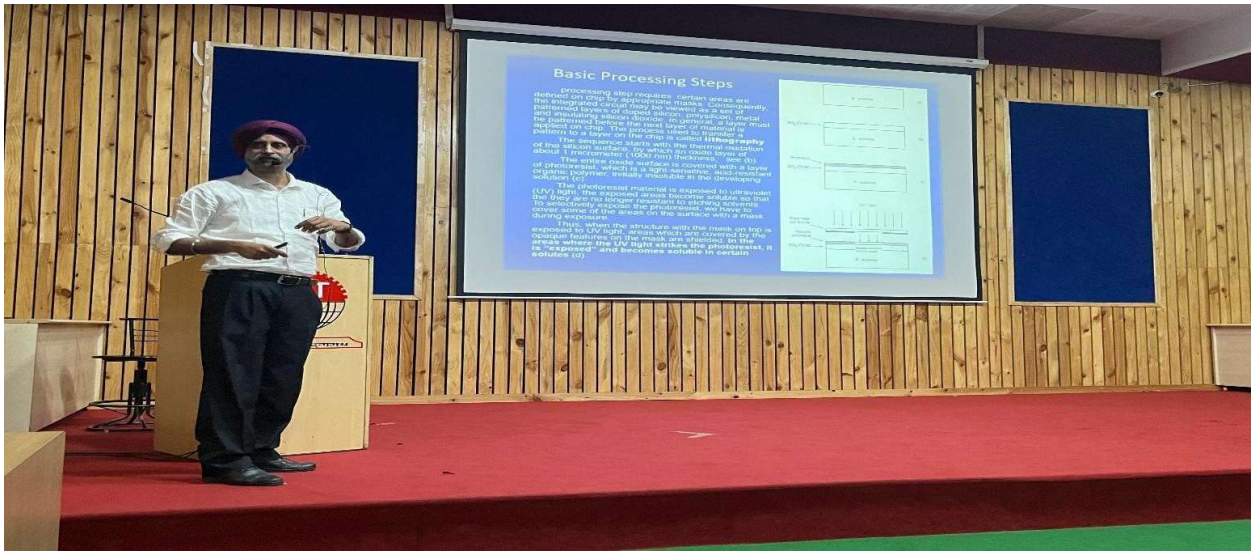


Kartiki Kapoor	22ESKEE036		
Kanishka Choudhary	22ESKEE034		
Khushi Chauhan	22ESKEE038		
Aditya chouhan	22ESKEE005		
Harsh Charu	22ESKEE030		
Nikhil Sharma	22ESKEE052		
Dhruv Bansal	22ESKEE024		
Aman Yadav	22ESKEE010		
Kushagra Sharma	22ESKEE043		
Kautilya Jangid	22ESKEE037		
Aakash Kumar Mahavar	22ESKEE002		

Feedback of the event:- The VLSI technology expert session on lower nodes was insightful, covering process technology, design methodologies, and practical applications. Technical depth, practical relevance, and engaging format facilitated valuable learning. Diverse perspectives enriched discussions, fostering a collaborative environment beneficial for professionals in the field.

Details of winners / prize distribution:- NA Photos of

event (without Geotagged at least 4):-


Basic Processing Steps

News:

एसकेआईटी में आईईईई छात्र शाखा अध्याय द्वारा विशेषज्ञ वार्ता

P3 Police Public Politics

जयपुर / जुगल शर्मा। एस के आई टी के आईईईई कंप्यूटर सोसाइटी एंड माइक्रोवेव थ्योरी एंड टेक्नोलॉजी स्टूडेंट ब्रांच चैप्टर ने आईईईई राजस्थान सबसेक्शन के सहयोग से 20 मार्च को जे सी बोस ऑडिटोरियम में कॉलेज के छात्रों के लिए मूल्यवान विषय %वीएलएसआई टेक्नोलॉजी एट लोअर नोड्स चैलेंजेज एंड इश्यूज% पर एक विशेषज्ञ वार्ता का आयोजन किया इस कार्यक्रम के आयोजन का मुख्य उद्देश्य छात्रों को वर्तमान रुझानों वीएलएसआई-प्रौद्योगिकी के बारे में जागरूकता प्रदान करना और उनके सीखने के अनुभव को प्रदर्शित करने के लिए वीएलएसआई कैरियर के लिए एक रोडमैप प्रदान करना था। एस के आई टी के छात्र चैप्टर के समन्वयक डॉ. रुखसार जफर ने पुष्प गुच्छ भेंट कर अतिथि का स्वागत किया। डॉ. नीलम चौधरी आईईईई कंप्यूटर सोसाइटी स्टूडेंट ब्रांच चैप्टर सलाहकार एस के आई टी ने विशेषज्ञ एच एस जटाना, एस जी ग्रुप हेड डिजाइन एंड प्रोसेस ग्रुप, अंतरिक्ष विभाग (भारत सरकार) और छात्रों का स्वागत किया। माननीय अतिथि ने सत्र को बहुत ही ज्ञानवर्धक अंतर्दृष्टि और उत्साहवर्धक शब्दों के साथ संबोधित किया जिससे छात्रों को अनुभव मिला। उन्होंने सीएमओएस तकनीक, फोटो रेजिस्टेंस और ऐसी अन्य तकनीकों के बारे में जानकारी पर प्रकाश डाला। विशेषज्ञ ने अपनी बहुमूल्य अंतर्दृष्टि साझा करके सत्र को इंटरैक्टिव बना दिया, सुझाव दिया कि छात्र अपने लक्ष्य तक पहुंचने के लिए कड़ी मेहनत करें, और शोध करें कि विकसित तकनीक समाज को कैसे प्रभावित करेगी। अंत में, डॉ शुभी जैन ने विशेषज्ञ और सभी प्रतिभागियों को हार्दिक धन्यवाद व्यक्त किया। सत्र के छात्र समन्वयक अंश कुमार, जागृति पारीक, क्षितिज अग्रवाल, संस्कार चतुर्वेदी, आदित्य शर्मा ने सत्र का प्रबंधन किया और सभी व्यवस्थाएं शानदार तरीके से कीं।

Certificates:-

NAAC A++ | MTT-S | IEEE COMPUTER SOCIETY | IEEE Rajasthan Subsection

SWAMI KESHVANAND INSTITUTE OF TECHNOLOGY MANAGEMENT & GRAMOTHAN, JAIPUR

EXPERT TALK

" VLSI TECHNOLOGY AT LOWER NODES CHALLENGES AND ISSUES "

Certificate of participation

This is to certify that ADITYA SHARMA has Participated in the Expert Talk Session on " VLSI TECHNOLOGY AT LOWER NODES CHALLENGES AND ISSUES" organised by IEEE Students Branch Chapter on 20th March 2024 at Swami Keshvanand Institute of Technology Management & Gramothan Jaipur .

Dr. Shubhi Jain
Advisor
IEEE MTT-S SBC SKIT, Jaipur

Dr.Nilam Choudhary
Advisor
IEEE CS-SBC, SKIT, Jaipur

Signature of Event Coordinator: -

(Dr. Shubhi Jain) shubhijain

Report on: - Distinguish Instructor Workshop

(Education around the World, A Hybrid Seminar)

Date, Time and Venue of the event: - 5 March 2024/ 1:30 PM - 4:00 PM / Ms Team (Online)

Level of the event: - College level (CL-20 CS BLOCK)

Event brochure / banner: -

Details/List of invited guest/speakers:- Prof. Reyhan Baktur (Utah State University), Professor Shibhan koul (Professor IIT Delhi) & Professor Jae-Sung Rieh (Korea University).

Objective of the event:-IEEE-MTT-s student chapter of Swami Keshvanand Institute of Engineering and Technology Management and Gramothan, Jagatpura organised an interactive session on "Distinguish Instructor Workshop A hybrid Seminar .The DIW program is jointly supported by the IEEE Antennas and Propagation Society (AP-S) and Microwave Theory and Techniques Society (MTT-S). The DIW program aims to stimulate the interests among undergraduate or tertiary students to bridge the pathway to the development of future wireless communications technologies. Through the DIW program, world-famous educators and engineers will introduce the history of microwave antenna technologies, the evolution of modern wireless systems, and the cutting-edge wireless applications to be used in our daily lives in the foreseeable future. The Instructors will also share their own experience of growth.

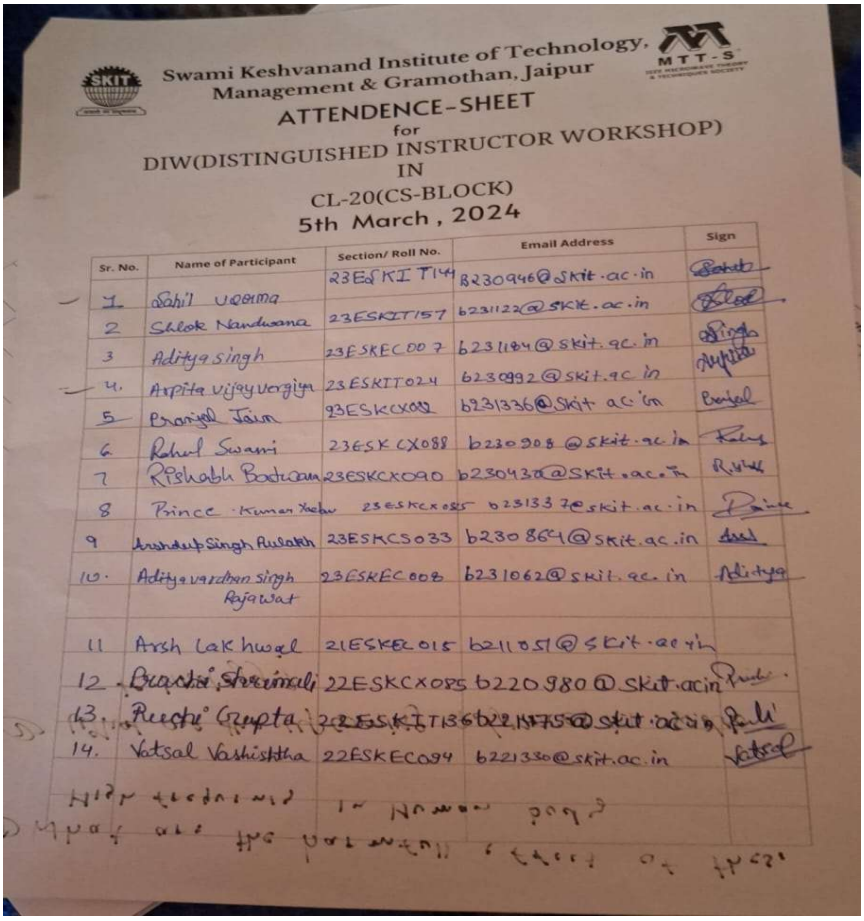
Details (Execution):-

At the beginning of this interactive session Dr. Shubhi Jain briefed about the IEEE- MTT-S student chapter of college. The main aim of this session is to encourage students to participate in research and development projects in order to gain knowledge about technical skills and know the ways to improve their technical skills. The students were informed to reach CL-20 on given time which is 1:30pm. Students gathered at the venue along with their respective batch counsellor. The session start with brief introduction about Upcoming Challenges and demand of students important information about portable devices and wearable /implantable wireless sensors. The Participants will learn about ground breaking achievements that microwave and antenna technologies have made to human civilization, by engaging with the instructors, the students will have accesss to excellent educational resources ,touch evolution of microwave antenna engineering and feel the changes in the world through vibrant technologies such as 5G/6G WIRELESS Communications ,virtual reality. This webinar consist of three short presentations about Cubesat Antenna From link Budget Analysis to Orbits and Electromagnetics for Healthcare as well as Electrons in Extreme Frequencies. Students were asked some questions regarding microwave transmission, etc. After the session the students were told the procedure of taking IEEE MTT-S students membership and how to gain scholarship and other grants from it the process was easy as well as easily understandable at the end the guest was honoured with vote of thanks. All the participants were informed prior to reach the venue at time. The DIW Workshop Start at sharp 2:00pm. The guest speaker from all over the world connected together at online web metting. The lecture series start with introduction of IEEE MTT-S Society The Students were able to know about the trending Technologies

Details/List of teacher participants: -

Sr. No.	Name of Teacher	Branch
1	Dr. Shubhi Jain	ECE
2	Dr. Dinesh Yadav	ECE
3	Dr.Nilam Choudhary	ECE

Attendance sheet of participants:-



Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur

MTT-S

ATTENDENCE-SHEET

for

DIW(DISTINGUISHED INSTRUCTOR WORKSHOP)

IN

CL-20(CS-BLOCK)

5th March , 2024

Sr. No.	Name of Participant	Section/ Roll No.	Email Address	Sign
1.	Sahil Verma	23ESKIT144	b230946@skit.ac.in	
2	Shlok Nandwana	23ESKIT157	b231122@skit.ac.in	
3	Aditya singh	23ESKEC007	b231184@skit.ac.in	
4.	Arpita vijayvargiya	23ESKIT024	b230992@skit.ac.in	
5	Pranjal Jain	23ESKCX092	b231336@skit.ac.in	
6	Rahul Swami	23ESKCX088	b230908@skit.ac.in	
7	Rishabh Badgam	23ESKCX090	b230930@skit.ac.in	
8	Prince Kumar Yadav	23ESKCX085	b231337@skit.ac.in	
9	Arshdeep Singh Rulaich	23ESKCS033	b230864@skit.ac.in	
10.	Adityavardhan singh Rajawat	23ESKEC008	b231062@skit.ac.in	
11	Arsh Lakhwal	21ESKEC015	b211051@skit.ac.in	
12	Prakriti Shrivastava	22ESKCX085	b220980@skit.ac.in	
13.	Preethi Gupta	22ESKIT136	b221175@skit.ac.in	
14.	Vatsal Vashishtha	22ESKEC094	b221330@skit.ac.in	

Details of winners / prize distribution:- NA

Photos of event (without Geotagged at least 4):-

Certificates: -


IEEE Bangalore Section
MTT-S
IEEE COMPUTER SOCIETY
MTT-S
IEEE Delhi Section
NAAC A++
KLE Technological University
IEEE Rajasthan Subsection

Distinguished Microwave Lecture

"Portable Radar System at the Human Microwave Frontier"

Certificate of participation

This is to certify that Aditya Sharma has Participated in the Virtual Distinguished Microwave Lecture on" Portable Radar System at the Human Microwave Frontier" organised by IEEE SKIT (Delhi Section) & IEEE KLE University (Banglore section) on 24th April 2024 in Virtual Mode.

Dr. Shubhi Jain
Advisor
IEEE MTT-S SBC SKIT, Jaipur

Dr.Nilam Choudhary
Advisor
IEEE CS-SBC, SKIT, Jaipur

Signature of Event Coordinator: -

(Dr. Shubhi Jain) SHUBHIJAIN