

Faculty Development Programme

“Recent Advancements of Multiband and Reconfigurable Antennas for 5G Applications”

24/05/2021 to 26/05/2021.

**Organized by Wireless Communications Stream, Communication Research Group (CSRG),
Department of ECE, KLEF in Association with IETE-Vijayawada chapter**

No. of Participants : 91

ID	Start time	Completion time	Name (Will be taken for Certificate)	EMP ID
1	5-24-21 16:22:24	5-24-21 16:23:12	PEPAKAYALA VARALAKSHMI	
2	5-24-21 16:22:25	5-24-21 16:23:23	B ANIL BABU	193040001
3	5-24-21 16:22:31	5-24-21 16:23:25	V Sahiti	4263
4	5-24-21 16:22:41	5-24-21 16:23:37	Sai Krishna Santosh G	4272
5	5-24-21 16:22:41	5-24-21 16:23:43	INUMULA VEERARAGHAVA RAO	5138
6	5-24-21 16:23:21	5-24-21 16:24:10	Dr.M.SUJATHA	4621
7	5-24-21 16:22:37	5-24-21 16:24:13	Dr. Ngangbam Phalguni Singh	5954
8	5-24-21 16:22:47	5-24-21 16:24:19	Pallavi Jagata	190040182
9	5-24-21 16:23:17	5-24-21 16:24:23	S. SALMA	183040046
10	5-24-21 16:23:28	5-24-21 16:24:29	Dr.S.Nagendram	1286
11	5-24-21 16:23:10	5-24-21 16:24:48	ANIL KUMAR MADDALI	3032
12	5-24-21 16:23:16	5-24-21 16:24:50	Dr.N.PRABAKARAN	4966
13	5-24-21 16:23:40	5-24-21 16:24:53	Dr BADUGU SURESH	2993
14	5-24-21 16:22:43	5-24-21 16:25:14	Agilesh Saravanan. R	5136
15	5-24-21 16:24:08	5-24-21 16:25:26	Dr. S. ARUNMETHA	5616
16	5-24-21 16:25:20	5-24-21 16:26:14	Dr.P.PARDHA SARADHI	3621
17	5-24-21 16:24:29	5-24-21 16:26:20	Srikanth Deepak Bandhakavi	4845
18	5-24-21 16:24:39	5-24-21 16:26:23	Karra Sony	3011
19	5-24-21 16:23:13	5-24-21 16:26:30	N.Durga Indira	3028
20	5-24-21 16:25:26	5-24-21 16:26:33	K Prasanna Kumar	5102
21	5-24-21 16:25:04	5-24-21 16:26:55	Dr Ghali Venkata Subbarao	2838
22	5-24-21 16:26:32	5-24-21 16:27:21	E Kiran Kumar	5891
23	5-24-21 16:26:31	5-24-21 16:27:22	Dr.P.PARDHA SARADHI	3621
24	5-24-21 16:25:43	5-24-21 16:27:30	P.kanakaraja	5631
25	5-24-21 16:25:46	5-24-21 16:27:31	POLAIAH BOJJA	4387
26	5-24-21 16:26:07	5-24-21 16:27:37	Dr.Naren Das	6213
27	5-24-21 16:25:47	5-24-21 16:27:47	Dr. S. Koteswara Rao	3843
28	5-24-21 16:26:50	5-24-21 16:27:54	Dr. GORLA VENKATA GANESH	2224
29	5-24-21 16:22:58	5-24-21 16:28:42	Dr. B John Philip	5137
30	5-24-21 16:27:56	5-24-21 16:28:55	S VAMSEE KRISHNA	5477

31	5-24-21 16:28:23	5-24-21 16:28:55	MVD Prasad	2812
32	5-24-21 16:25:12	5-24-21 16:29:12	KALLAKUNTA RAVI KUMAR	2045
33	5-24-21 16:26:28	5-24-21 16:29:24	K SureshKumar	4573
34	5-24-21 16:28:01	5-24-21 16:29:35	V.TEJU	4936
35	5-24-21 16:29:08	5-24-21 16:30:01	Sidheswar Routray	4360
36	5-24-21 16:29:13	5-24-21 16:30:14	UDAY KIRAN KASI	4171
37	5-24-21 16:28:55	5-24-21 16:30:23	P V V KISHORE	3452
38	5-24-21 16:29:25	5-24-21 16:30:37	Dr. Penke Satyanarayana	2462
39	5-24-21 16:28:48	5-24-21 16:30:41	B.Kalivaraprasad	2484
40	5-24-21 16:30:27	5-24-21 16:31:10	K.V.Sowmya	4822
41	5-24-21 16:28:46	5-24-21 16:31:22	E Raghuvveera	4604
42	5-24-21 16:30:43	5-24-21 16:31:34	Md. Zia Ur Rahman	3413
43	5-24-21 16:30:33	5-24-21 16:31:46	Dr. ARJUNA MUDULI	5884
44	5-24-21 16:33:39	5-24-21 16:34:24	Dr Joshitha C	5381
45	5-24-21 16:34:52	5-24-21 16:36:36	Dr.M.Ravi kumar	1181
46	5-24-21 16:35:24	5-24-21 16:36:48	Dr. Sreevardhan Cheerla	2982
47	5-24-21 16:32:47	5-24-21 16:36:59	Ketavath Kumar Naik	3144
48	5-24-21 16:36:26	5-24-21 16:37:27	Dr.S.Sunithamani	4291
49	5-24-21 16:37:49	5-24-21 16:38:21	Dr. Fazal Noorbasha	2488
50	5-24-21 16:37:35	5-24-21 16:38:29	VIPUL AGARWAL	5041
51	5-24-21 16:37:17	5-24-21 16:38:29	Nalajala Lakshman Pratap	5443
52	5-24-21 16:39:30	5-24-21 16:40:07	M.Aditya	5140
53	5-24-21 16:39:33	5-24-21 16:40:07	V.Bhargavi	190040558
54	5-24-21 16:39:37	5-24-21 16:40:35	MOHAN K N	5413
55	5-24-21 16:41:13	5-24-21 16:42:02	Syed shameem	2497
56	5-24-21 16:39:16	5-24-21 16:43:54	SORIE SAIDU KAMARA	193540018
57	5-24-21 16:44:14	5-24-21 16:45:39	Dr. Shruti Suman	5630
58	5-24-21 16:44:38	5-24-21 16:46:11	Dr.Gampala Sivavaraprasad	4975
59	5-24-21 16:46:44	5-24-21 16:47:35	NAMGIRI SURESH	2389
60	5-24-21 16:48:07	5-24-21 16:48:55	G V Subbarao	2838
61	5-24-21 16:49:08	5-24-21 16:50:14	Dr. K. PRAGHASH	5675
62	5-24-21 16:49:23	5-24-21 16:50:17	Dr. Chella Santhosh	5349
63	5-24-21 16:49:20	5-24-21 16:50:33	J Lakshmi Prasanna	4276
64	5-24-21 16:49:27	5-24-21 16:50:57	SAMPAD KUMAR PANDA	4608
65	5-24-21 16:51:48	5-24-21 16:53:11	Dr. G. Ch Satyanarayana	3864
66	5-24-21 16:52:17	5-24-21 16:53:27	D Venkata Ratnam	2684
67	5-24-21 16:53:18	5-24-21 16:54:01	Muzammil Parvez M	5251
68	5-24-21 16:53:56	5-24-21 16:55:01	Dr. Madhukar Deshmukh	5986
69	5-24-21 16:54:34	5-24-21 16:55:29	Dr. R. S. Ernest Ravindran	4695
70	5-24-21 16:52:34	5-24-21 16:55:51	Dr. S. Rooban	5406
71	5-24-21 16:55:14	5-24-21 16:56:23	A V PRABU	4295

72	5-24-21 17:00:01	5-24-21 17:01:32	M Lakshmana Kumar	5239
73	5-24-21 17:01:17	5-24-21 17:02:33	Dr. K. Ch. Sri Kavya	928
74	5-24-21 17:02:55	5-24-21 17:04:38	Sreenivasa Rao Devireddy	3661
75	5-24-21 17:05:31	5-24-21 17:06:23	P. Syam Sundar	5368
76	5-24-21 17:07:09	5-24-21 17:07:40	Dr. C.S.Preetham Reddy	5129
77	5-24-21 17:08:15	5-24-21 17:09:09	Dr. P SALEEM AKRAM	3726
78	5-24-21 17:09:25	5-24-21 17:10:15	lakshman pappula	4858
79	5-24-21 17:09:23	5-24-21 17:10:21	Dr Aswin Kumer S V	5395
80	5-24-21 17:07:13	5-24-21 17:10:46	Ramakrishna T	6580
81	5-24-21 17:11:39	5-24-21 17:12:31	ALI BAIG MOHAMMAD	4818
82	5-24-21 17:11:51	5-24-21 17:12:53	R DEEPALAKSHMI	338
83	5-24-21 17:11:31	5-24-21 17:13:19	L S P SAIRAM NADIPALLI	5617
84	5-24-21 17:11:57	5-24-21 17:13:50	Subba Reddy Vasipalli	2980
85	5-24-21 17:14:34	5-24-21 17:15:28	Dr.Nalluri Siddaiah	3066
86	5-24-21 17:13:42	5-24-21 17:16:31	DR.M.Sridhar	2469
87	5-24-21 17:27:21	5-24-21 17:28:33	Dr. Y. Usha Devi	4719
88	5-24-21 17:54:22	5-24-21 17:56:27	Dr. K.S.Ramesh	1712
89	5-24-21 18:32:17	5-24-21 18:32:50	Bennilo Fernandes J	5135
90	5-24-21 17:53:41	5-24-21 18:33:14	K T P S KUMAR	5101
91	5-24-21 18:33:46	5-24-21 18:35:09	Dr Lakshman Pappula	4858

The FDP day-3 session is started by the resource person Mr. T.V. Jayanandan, Founder & CEO of Tesla Minds in continuation with the Day-1 and Day-2. Approximately 100 participants have attended the today's session. Mainly today the resource person has targeted to cover the Design and Applications of the Multiband and Reconfigurable antennas along with tool-based explanations. The following are the main modelling and design works discussed in CST Software.

- Design of SMA connector
- Antenna design with varactor diode
- Resonant frequency design
- Reconfigurable antenna
- Design of SMA connector
- Antenna design with varactor diode
- Resonant frequency design

CST Studio Suite is the best-in-class software package for EM and multiphysics simulation. It includes a complete set of tools for creating, simulating and optimizing electromagnetic systems. The possibilities of CST Studio Suite are huge. CST supports you from the first concept ideas, to finding the optimal antenna design, to integrity and compatibility with other devices. Especially in the area of electromagnetic compatibility (EMC) and interference (EMI),

CST offers significant advantages to speed up the development process and ensure connectivity. Some areas where CST offers a competitive advantage:

- Performance and efficiency of antennas and filters
- EM compatibility and interference (EMC/EMI)
- Exposure to the human body (SAR - specific absorption rate)
- electromechanical effects e.g. in generators, motors
- thermal effects e.g. in high-performance devices

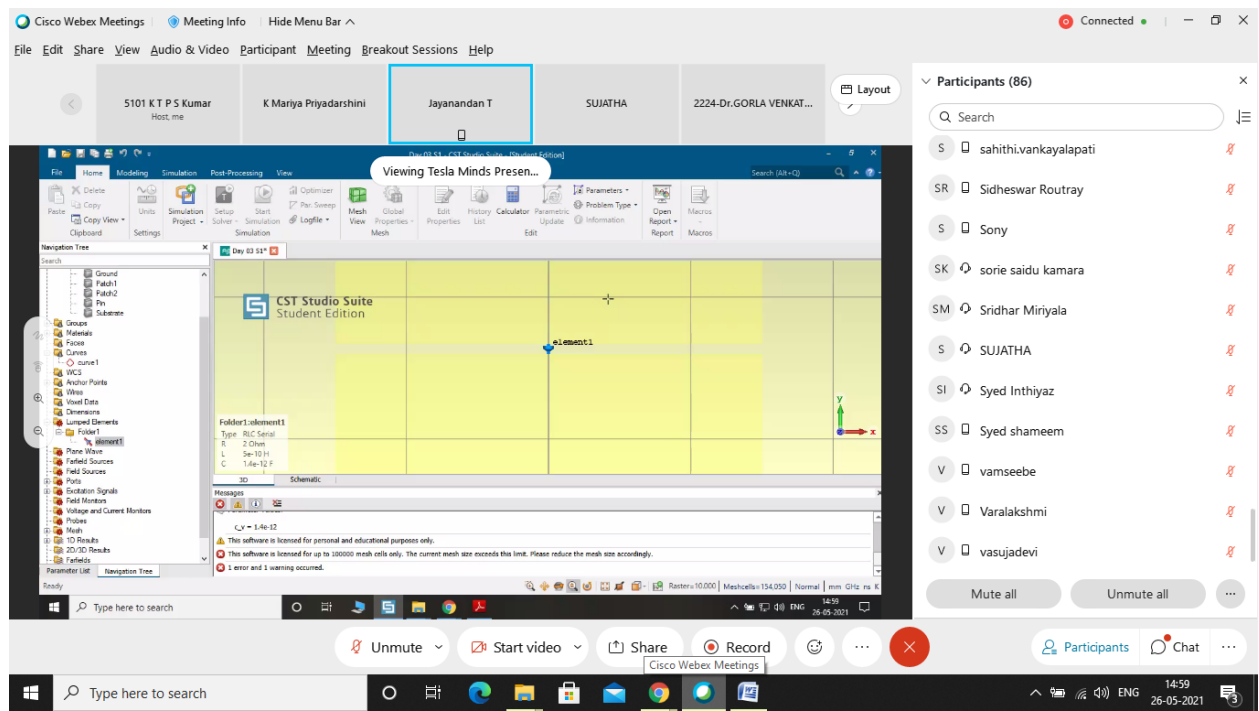
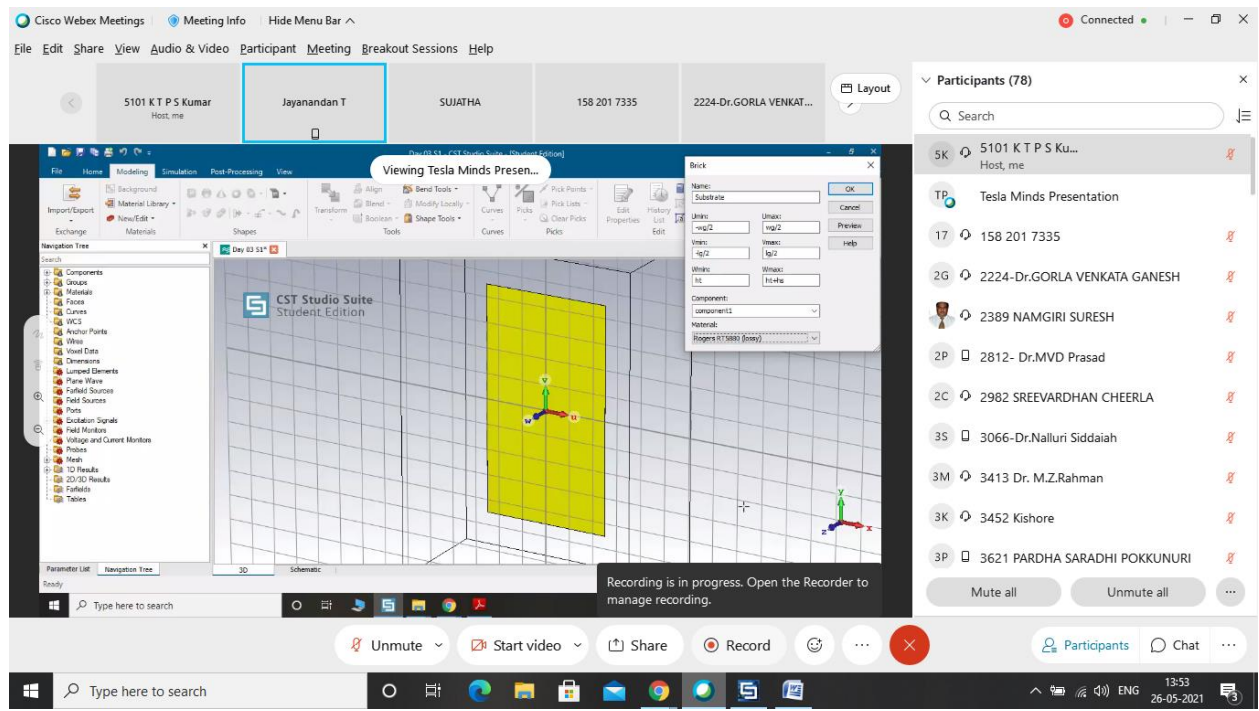
The participants of the FDP have very well received the concepts explained by the resource persons. The resource person has grabbed the pulse and soul of the participants with his excellent knowledge on the topic with practical hands-on modelling examples. The future scope of the today's topic was also discussed as an opportunity for the research projects and publications. Before the session was ended, the faculty has interacted with the resource person with their questions and the resource person has warmly replied in detail to their queries. The following are few glimpses of the slides that the resource person has shared in his presentation today. The FDP co-ordinators Dr. K.Ch. Sri Kavya grau and Dr. M.Sujatha garu have thank the resource person for his consistent and knowledgeable sessions for the participants and they have congratulated all the participants to become part of this programme.

Designs before the Break: 1:30-3:30PM

Design of SMA connector

Antenna design with varactor diode

Resonant frequency design



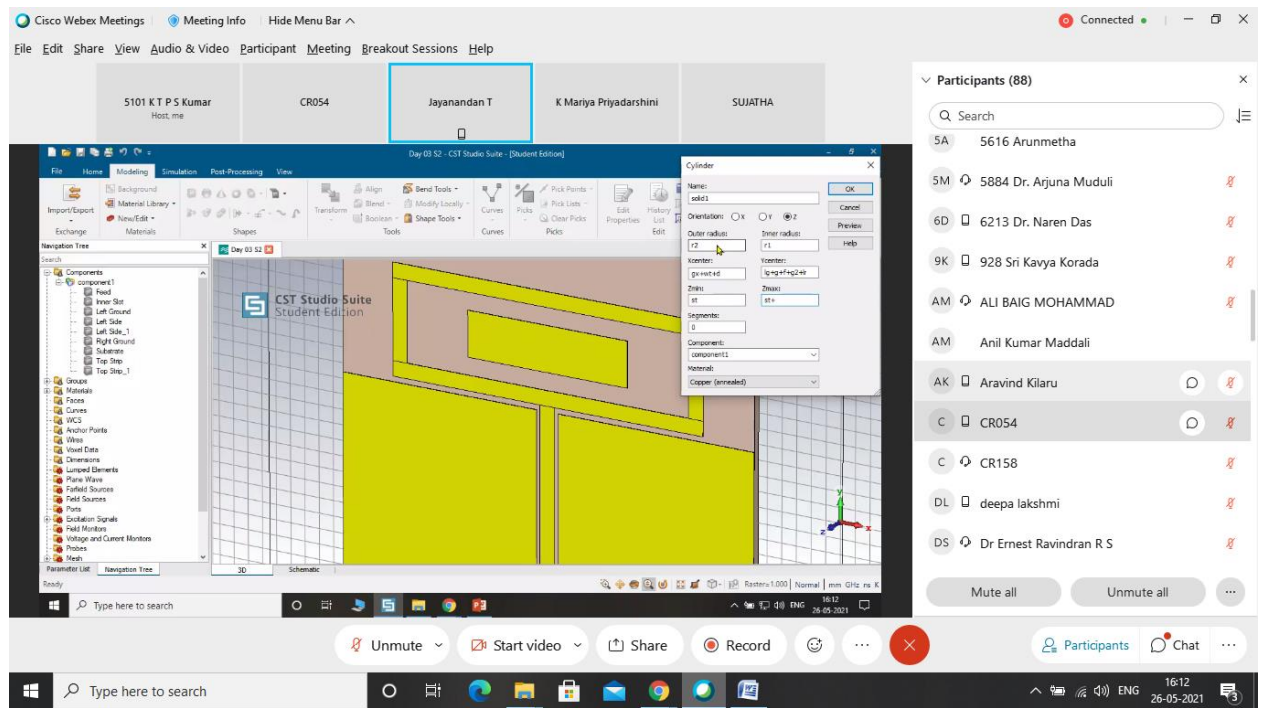
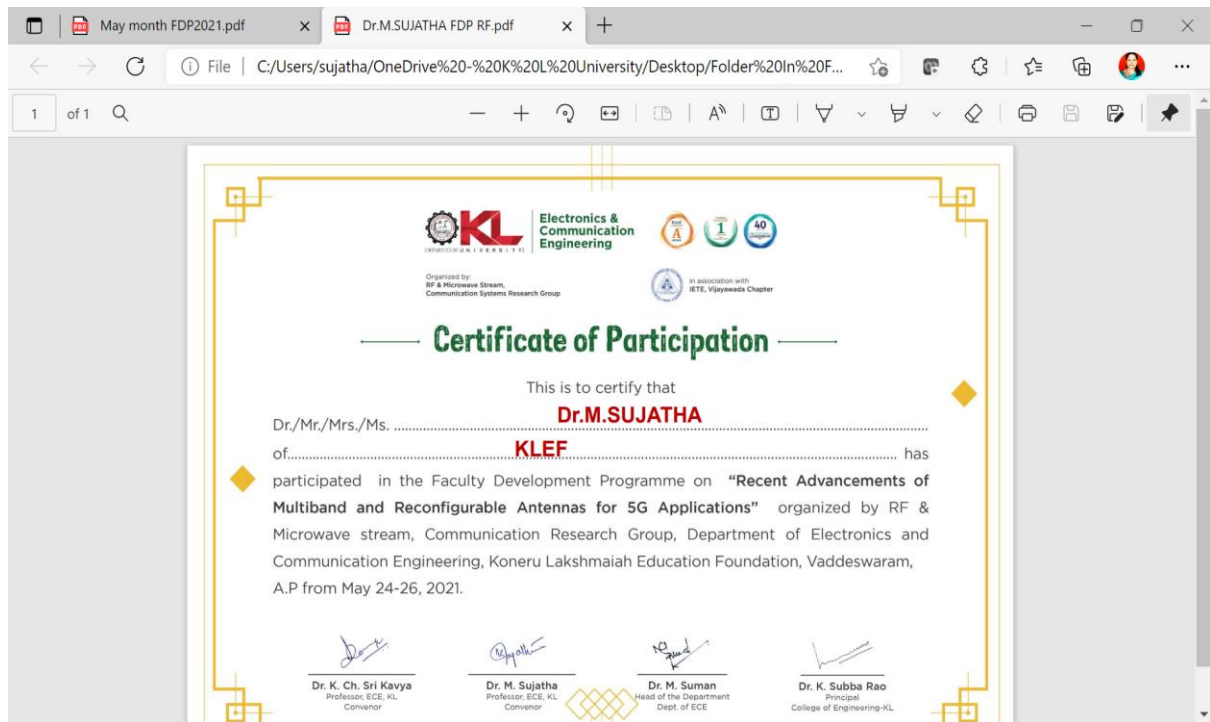
Designs After the break: 3:35-5PM

Design of SMA connector

Antenna design with varactor diode

Resonant frequency design

Sample Certificate:



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5101 K T P S Kumar Host, me CR054 Jayanandan T K Mariya Priyadarshini SUJATHA 1286 Dr.S.Nagendram Layout

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Chat

from Paulraj Bojja to everyone: 1:31 PM
Good afternoon sir ☐
from Paulraj Bojja to everyone: 1:31 PM
Polaiah Bojja
from 5239-M.Lakshmana Kumar-ECE (privately): 2:19 PM
Sir Please activate not allowed to unmute option.
to 5239-M.Lakshmana Kumar-ECE (privately): 3:07 PM
how to do that sir
from Dr. S JAGADEESHA to everyone: 3:25 PM
Not audible sir
from Jayanandan T to everyone: 3:26 PM
Dear Participants! We are on a break till 03.35pm!
from Varalakshmi to everyone: 4:09 PM
Please share the feedback link sir
from 5101 K T P S Kumar to everyone: 4:30 PM
sir, can you tell the how to give feeding once

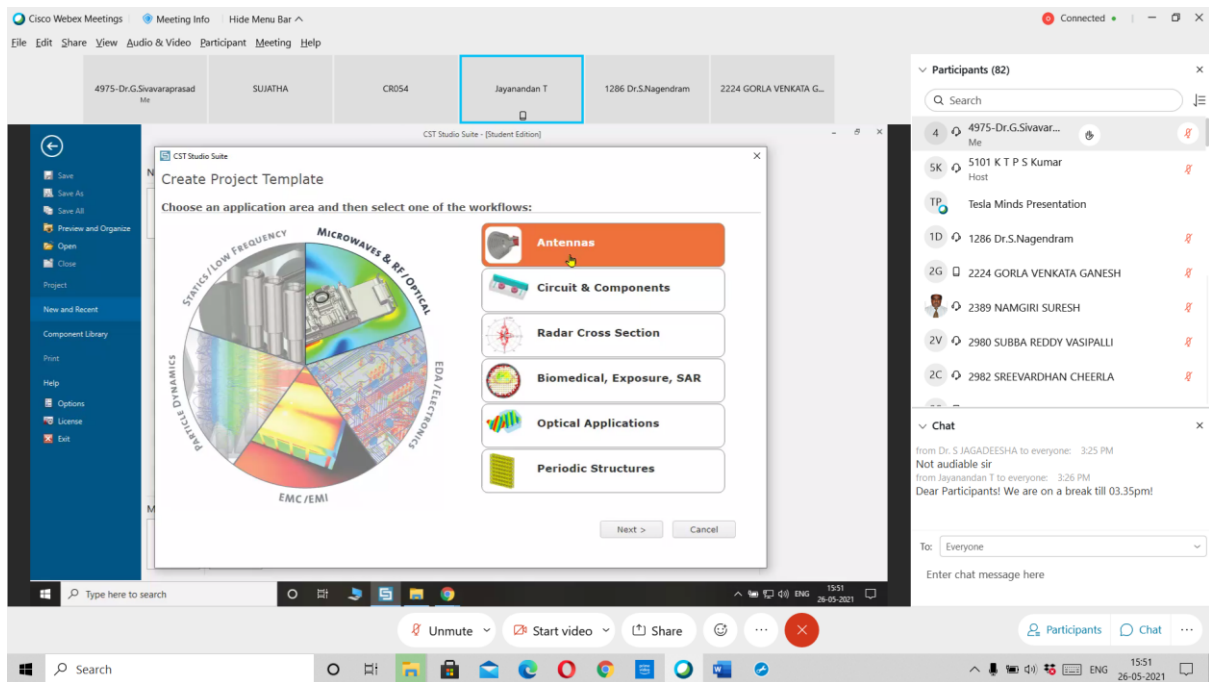
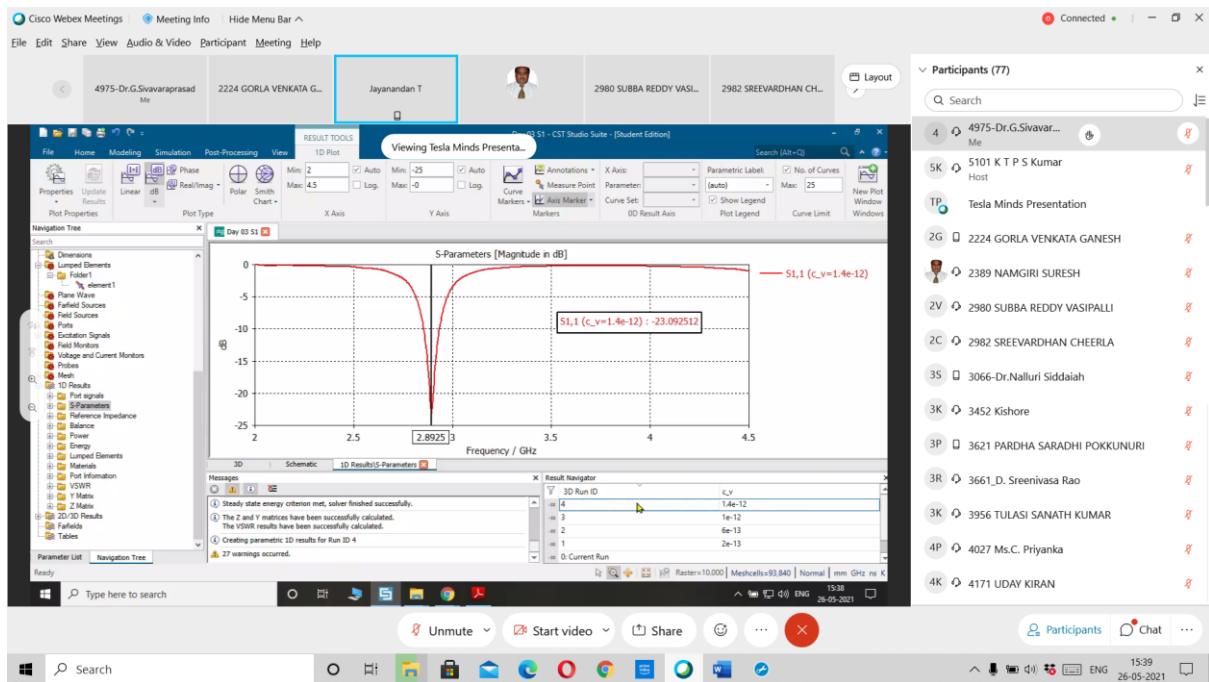
TMCC08-S3 Coordinate Points

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Reconfigurable antenna



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4975-Dr.G.Sivaprasad Me SUJATHA CR054 Jayanandan T 1286 Dr.S.Nagendram 2224 GORLA VENKATA G...

Participants (88)

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4 4975-Dr.G.Sivaprasad Me

5K 5101 K T P S Kumar Host

TP Tesla Minds Presentation

1D 1286 Dr.S.Nagendram

2G 2224 GORLA VENKATA GANESH

2389 NAMGURI SURESH

2N 2488 Dr. Fazal Noorbasha

2V 2980 SUBBA REDDY VASIPALLI

Chat

from Dr. S JAGADEESHA to everyone: 3:25 PM

Not audible sir

from Jayanandan T to everyone: 3:26 PM

Dear Participants! We are on a break till 03.35pm!

To: Everyone

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TMCC08-S5 Reconfigurable Antenna

2021 YEAR OF ANTENNA

Key Takeaways

- Design of SMA Connector
- Design of Varactor Diode Eq Model
- Multiband Response through the choice of Capacitor value

Activate Windows Go to Settings to activate Windows.

Chat

from Paulraj Bojja to everyone: 1:31 PM

Good afternoon sir

from Paulraj Bojja to everyone: 1:31 PM

Polaiah Bojja

from 5239-M.Lakshmana Kumar-ECE (privately): 2:19 PM

Sir Please activate not allowed to unmute option.

to 5239-M.Lakshmana Kumar-ECE (privately): 3:07 PM

how to do that sir

from Dr. S JAGADEESHA to everyone: 3:25 PM

Not audible sir

from Jayanandan T to everyone: 3:26 PM

Dear Participants! We are on a break till 03.35pm!

from Varalakshmi to everyone: 4:09 PM

Please share the feedback link sir

from 5101 K T P S Kumar to everyone: 4:30 PM

sir, can you tell the how to give feeding once

To: Everyone

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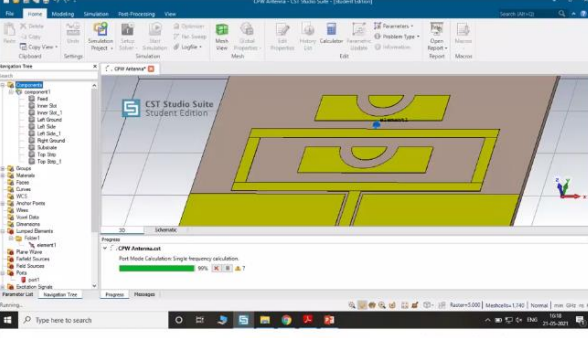
16:46 26-05-2021

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5101 K T P S Kumar Host, me CR054 Jayanandan T K Mariya Priyadarshini SUJIATHA

TMCC08-S6 Reconfigurable Antenna



Key Takeaways

- Design of CPW Antenna
- Design of Switch Equivalent Model
- Surface Currents and other Simulation Parameters.

Activate Windows
Go to Settings to activate Windows.

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Participants Chat

Chat

from Paulraj Bojja to everyone: 1:31 PM
Good afternoon sir

from Paulraj Bojja to everyone: 1:31 PM
Polaiiah Bojja

from 5239-M.Lakshmana Kumar-ECE (privately): 2:19 PM
Sir Please activate not allowed to unmute option.

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Not audible sir

from Jayanandan T to everyone: 3:26 PM
Dear Participants! We are on a break till 03.35pm!

from Varalakshmi to everyone: 4:09 PM
Please share the feedback link sir

from 5101 K T P S Kumar to everyone: 4:30 PM
sir, can you tell the how to give feeding once

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One More Thing!

Design one of the Microstrip Antennas, & share the results as a PDF file, to get a Tesla Minds Certificate!!

- Deadline: May 30 2021, Sunday!
- Mode of Submission: Google Form (Will be shred to the Event organisers)



jayanandan's
tesla minds



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Participants Chat

Chat

sir, can you tell the how to give feeding once from Varalakshmi to everyone: 4:52 PM

And one more thing please send the assessment link also sir

since this is the last session for this FDP. I think from P. Syam Sundar to everyone: 4:53 PM

Sir, I really is a very wonderful session and I really feel that it is over too early. If it were a physical training session, it would have been more effective learning, but still a lot of knowledge sharing. Really liked the session sir. Thank you sir.

from P. Syam Sundar to everyone: 4:53 PM
Thank you for a wonderful exposure of knowledge from 5616 Arunmetha to everyone: 4:53 PM

Thank you sir

from 4966-Dr.N.Prabakaran-ECE to everyone: 4:53 PM
Thank you for a nice session.

from Anil Kumar Maddali to everyone: 4:54 PM
thank you sir

from Dr. S JAGADEESHA to everyone: 4:54 PM
Thank you sir for your wonderful session

from 3621 PARDHA SARADHI POKKUNURI to everyone: 4:55 PM
Thank you for a wonderful session.

from 3621 PARDHA SARADHI POKKUNURI to everyone: 4:55 PM
informative

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Host, me

CR054

Jayanandan T

K Mariya Priyadarshini

SUJATHA

Tesla Minds

Website: www.jayanandan.com

For RF Skill Development and Internships & MoUs

Mobile: T. Jayanandan: WhatsApp: 96266 59597

Email: tsmwingz@gmail.com

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26-05-2021

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30

2021st YEAR OF ANTENNAS



Chat

36221 PARDHA SARADHI POKKUNURI to everyone: 4:53 PM
still a lot of knowledge sharing. Really liked the session sir. Thank you sir.
from P. Syam Sundar to everyone: 4:53 PM
Thank you for a wonderful exposure of knowledge from 5616 Arunmetha to everyone: 4:53 PM
Thank you sir
from 4966-Dr.N.Prabakaran-ECE to everyone: 4:53 PM
Thank you for a nice session.
from Anil Kumar Maddali to everyone: 4:54 PM
thank you sir
from Dr. S JAGADEESHA to everyone: 4:54 PM
Thank you sir for your wonderful session
from 3621 PARDHA SARADHI POKKUNURI to everyone: 4:55 PM
Thank you for a wonderful session.
from 3621 PARDHA SARADHI POKKUNURI to everyone: 4:55 PM
informative
from Polaiah B (privately): 4:55 PM
feed back link
from sorie saidu kamara to everyone: 4:56 PM
Thanks for this extraordinary presentation.
from 2389 NAMGIRI SURESH (privately): 4:56 PM
sir if possible share the recording of the entire 3 days programme.
from sorie saidu kamara to everyone: 4:56 PM
thanks

To: Everyone

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Participants | Chat | ...

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16:57
26-05-2021