



Department of Electronics Engineering

One Day Online Workshop on
“Next Generation Communication System- Challenges and Opportunities”
on
20 September 2025
in association with Synergy Measurement Technologies Pvt. Ltd, Hyderabad

Department of Electronics Engg., MITS Gwalior conducted one day workshop on “Next Generation Communication System- Challenges and Opportunities” on 20th September 2020 in association with Synergy Measurement Technologies Pvt. Ltd, Hyderabad

Objective of workshop:

The main objective of the workshop was to promote the advances in the field of Communication Engineering. Communication Engineering is indispensable technologies that have formed the bedrock of the modern wireless communication technology, which have now permeated through many aspects of our lives. The objective of this online workshop is to impart knowledge about the challenges and opportunities of next generation Communication System in current societal changes. The main aim of this workshop was to bring students and researchers together from industrial fields to establish new collaborations and research to expose both sides of challenges and opportunities in the respective fields.

Line of action: Workshop was inaugurated in the presence of Dr. Laxmi Shrivastava, Professor and HoD of Electronics Department, Dr. R. P. Narwaria (Workshop Coordinator), Dr. Kumar Gaurav (Workshop Coordinator), faculties of Electronics department. Dr. R. P. Narwaria provided brief information about the workshop. Two Expert Lecture were scheduled in first half and one Expert Lecture in second half. After that the workshop was completed by vote of thanks gave by Dr. Kumar Gaurav.

The schedule of workshop was as follows:

Workshop Schedule

Date	Time	Activity
20.09.2025	10:00 AM -10:30 AM	Inaugural
	10:30 AM -12:30 PM	Expert Lecture -I
	12:30 PM - 01:30 PM	Lunch Break
	01:30 PM - 03:00 PM	Expert Lecture -II



Expert Lecture Details:

Expert Lecture –I: Mr. Avinash Shrivastava, Synergy Measurement Tech. Pvt Ltd

Expert Lecture –II: Mr.Ventak Ramana, Synergy Measurement Tech. Pvt Ltd

Line of action: In the first technical session, Mr. Avinash Shrivastava delivered an expert lecture on measurement tools that are used in communication system. The session was very informative and also interactive for the participants. The second expert lecture was delivered by Mr.Ventak Ramana on analysis of communication signals of radio frequency range. He also discussed about applications of Vector Network Analyzer and its working principles.

Participants:

In this workshop, total 102 participants were registered. The details of participant are as follows:

S. No.	Name	Enrollment No.	Branch
1.	Abhinav Sharma	BTEL25O1002	Electronics engineering
2.	Anoop Singh Rajawat	BTEL24O1023	Electronics engineering
3.	Ansh Jaiswal	BTEL25O1137	Electronics engineering
4.	Utkarsh Katare	BTEL24O1138	Electronics engineering
5.	Krishna jha	BTEL24O1064	Electronics engineering
6.	Vinayak mangal	BTEL24O1146	Electronics engineering
7.	Prashant Singh bhadoriya	BTEL25O1081	Electronics engineering
8.	Akshat Bhatnagar	BTEL24O1017	Electronics engineering
9.	Abhishek Singh	BTEL24O1006	Electronics engineering
10.	Somya Rao	BTEL25O1110	Electronics engineering
11.	Harsh Pratap Singh	BTEL24O1052	Electronics engineering
12.	Naveen Gangare	0901EC221066	Electronics Department
13.	Priyanshi sharma	BTEL24O1157	Electronics engineering
14.	Aditya mishra	BTEL24O1009	Electronics engineering
15.	Shruti Vishwakarma	BTEL24O1126	Electronics engineering
16.	Lakshya pachauri	BTEL24O1069	Electronics engineering
17.	Shivani Narwariya	BTEL24O1125	Electronics engineering
18.	Damini kurmi	BTEL24O1041	Electronics engineering
19.	Kaushal Sharma	BTEL24O1062	Electronics engineering
20.	Arjun singh	BTEL24O1030	Electronics engineering
21.	Ayush Goyal	BTEL24O1038	Electronics engineering
22.	Harshvardhan Sharma	BTEL24O1054	Electronics engineering
23.	Govind Garg	BTEL24O1050	Electronics engineering
24.	Simran Tomar	0901EC231128	Electronics engineering
25.	Ritik Kushwaha	0901EC231103	Electronics engineering
26.	Sarvagya Chouksey	BTEL25O1099	Electronics engineering



माधव प्रौद्योगिकी एवं विज्ञान संस्थान, ग्वालियर (म.प्र.), भारत
MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR (M.P.), INDIA

Deemed University

(Declared under Distinct Category by Ministry of Education, Government of India)

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27.	Aryan Rathore	BTEL24O1032	Electronics engineering
28.	Parth Pandey	BTEL25O1076	Electronics engineering
29.	Adil Qureshi	0901EC231006	Electronics engineering
30.	Prakriti Krishna Pal	BTEL24O1087	Electronics engineering
31.	Piyush Rawat	BTEL25O1077	Electronics engineering
32.	Adarsh Narwariya	BTEL24O1007	Electronics engineering
33.	Vanshika Vyas	BTEL25O1119	Electronics engineering
34.	Shatakshi Singh	BTEL25O1102	Electronics engineering
35.	Uday raj sharma	0901ec231143	Electronics engineering
36.	Aakarsh Ahmed	BTEL24O1002	Electronics engineering
37.	Anurag sharma	BTEL24O1155	Electronics engineering
38.	Himanshi Tiwari	BTEL24O1056	Electronics engineering
39.	Anuj Singh	BTEL25O1025	Electronics engineering
40.	Amit Kumar Mishra	BTEL25O1012	Electronics engineering
41.	Manish Kansana	BTEL24O1070	Electronics engineering
42.	Shridhar Sharma	BTEL25O1108	Electronics engineering
43.	Vishnu Agrawal	BTEL25O1123	Electronics engineering
44.	Arushi Gurjar	BTEL25O1140	Electronics engineering
45.	Lakshya wat	BTEL25O1065	Electronics engineering
46.	Disha samadhiya	BTEL25O1045	Electronics engineering
47.	Mohini Chauhan	BTELO1069	Electronics engineering
48.	AMIT sharma	BTEL25O1013	Electronics engineering
49.	Abhishek Sharma	BTEL25O1003	Electronics engineering
50.	Vikas sharma	BTEL24O1144	Electronics engineering
51.	Utkarsh sharma	BTEL24O1159	Electronics engineering
52.	Kuldeep Pandey	BTEL24O1067	Electronics engineering
53.	Nitin Jatav	BTCE24O1059	Civil engineering
54.	Charu Saxena	BTME24O1026	Electronics engineering
55.	Sakshi rai	BTEL24O1112	Electronics engineering
56.	Uday raj Vishwakarma	0901EC231144	Electronics engineering
57.	Santosh Singh	0901EC231112	Electronics engineering
58.	Rohit Prajapati	0901EC231106	Electronics engineering
59.	Ritik Kushwaha	0901EC231103	Electronics engineering
60.	Swati urmalia	0901EC231135	Electronics engineering
61.	Vidhi	0901EC231149	Electronics engineering
62.	Saloni sharma	BTEL24O1113	Electronics engineering
63.	Shreya Singh	0901EC231123	Electronics engineering
64.	Vivek Prasad	0901EC231154	Electronics engineering
65.	Rishika sahu	0901EC231102	Electronics engineering
66.	Kuldeep Singh	0901EC231067	Electronics engineering
67.	Palak Sharma	BTEL24O1083	Electronics engineering
68.	Akash Shukla	0901EC231010	Electronics engineering
69.	Ananya Upadhyay	BTEL24O1020	Electronics engineering



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70.	Yesu sharma	BTEL24O1154	Electronics engineering
71.	HRIDYANSH BANSAL	0901EC231054	Electronics engineering
72.	Sandeep Singh Gurjar	0901EC231111	Electronics engineering
73.	Gauri Tiwari	BTEL24O1048	Electronics engineering
74.	Shaivya kushwah	BTEL24O1118	Electronics engineering
75.	Avinash Kushwah	BTEL24O1037	Electronics engineering
76.	Shivam singh jadoun	BTEL24O1124	Electronics engineering
77.	Sarthak Shrivastava	0901EC231113	Electronics engineering
78.	Krishna Shrivastava	0901231037	MAC
79.	Ajeet gurjar	BTEL24O1013	Electronics engineering
80.	Krishna Dubey	0901EC243D01	Electronics engineering
81.	Piyush Sharma	BTEL2501078	Electronics engineering
82.	Sourabh panwar	0901EC231129	Electronics engineering
83.	Krishna Pratap Singh Jadaun	BTEL25O1062	Electronics engineering
84.	Shivam Shrivastava	BTEL24O1123	Electronics engineering
85.	Akshat Gupta	BTEL25O1011	Electronics engineering
86.	Kuldeep rajput	BTEL25O1064	Electronics engineering
87.	Aishwary Chaturvedi	BTEL24O1012	Electronics engineering
88.	Deepanshu Sengar	BTEL25O1040	Electronics engineering
89.	Ankur dwivedi	BTEL25O1020	Electronics engineering
90.	Pratha soni	BTEL24O1090	Electronics engineering
91.	Pranjal Jain	BTEL24O1088	Electronics engineering
92.	Piyush Shukla	BTEL24O1085	Electronics engineering
93.	Ishita jain	BTEL24O1060	Electronics engineering
94.	Ayush Rathore	BTME24O1022	MECHANICAL
95.	Priyanshi jain	BTEL24O1096	Electronics engineering
96.	Vanshika Gupta	BTEL24O1140	Electronics engineering
97.	Manann Suneja	0901EC231073	Electronics engineering
98.	Pari Gupta	BTEL25O3M01	Electronics engineering
99.	Kashish kushwah	BTME24O1038	Electronics engineering
100.	Unnati bohare	BTEL24O1137	Electronics engineering
101.	Golu	BTCE24O1031	Civil engineering
102.	Radhika Mandil	BTEL24O1098	Electronics engineering

Outcomes of the workshop

- Participants have acquired good knowledge of measurement tools that are used in communication system.
- Participants will be able to identify the problems occurred during processing of communication signals.

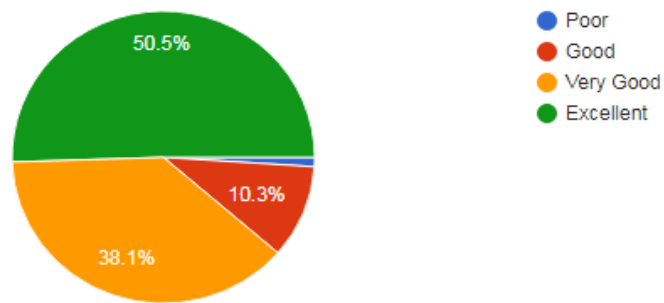


- Participants get familiarity with Signal Processing and different algorithm and where it is used.
- Participants have also acquired knowledge about research gap in Communication field.

Feedback Report from Participants

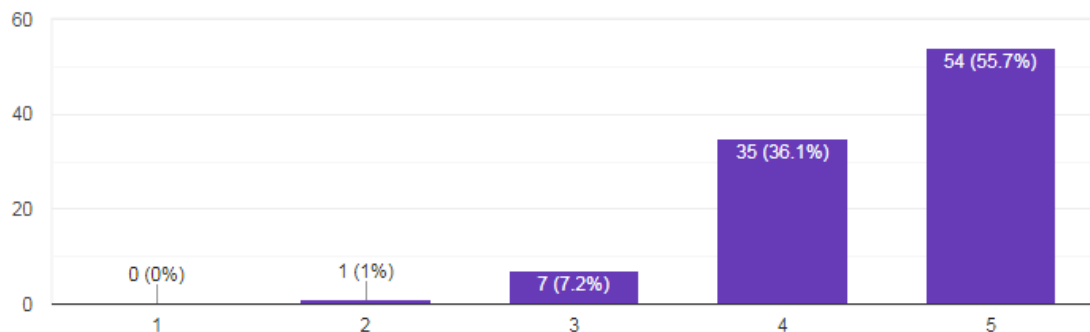
The Workshop Organisation was

97 responses



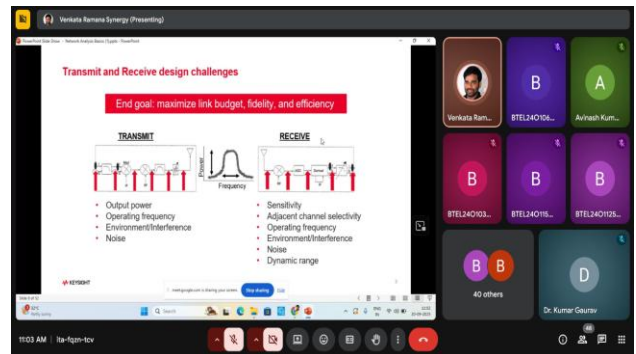
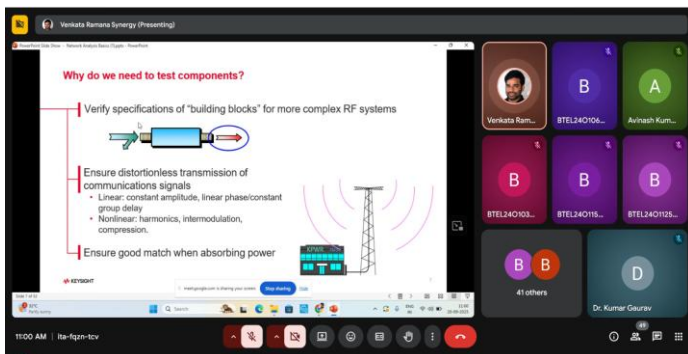
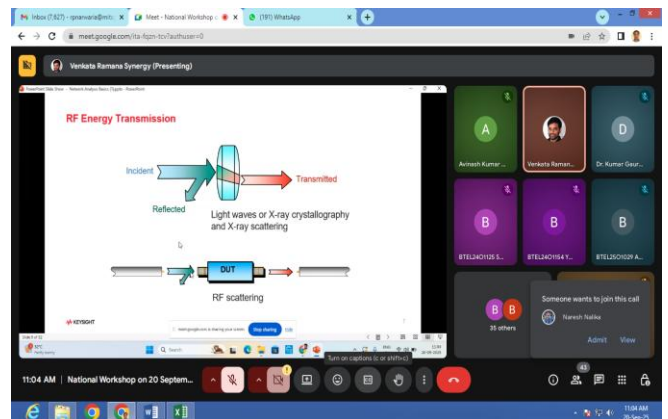
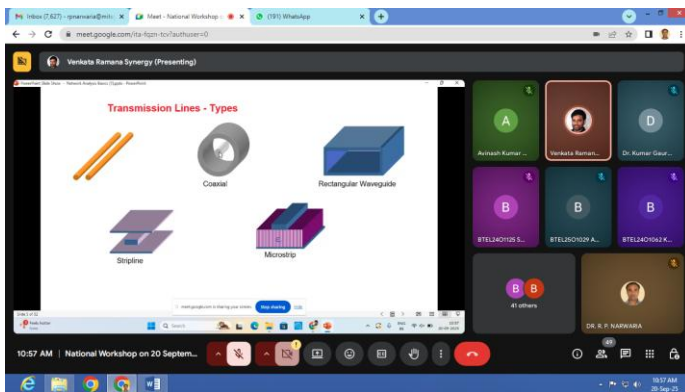
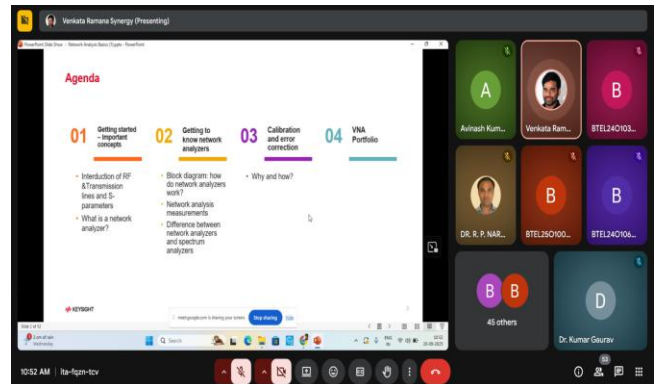
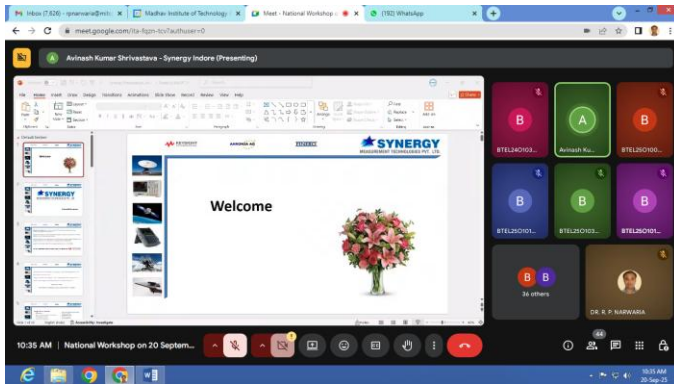
The Workshop Contents meet with your expectations

97 responses





Some Glimpses



Dr. R.P.Narwaria
Workshop Coordinator

Dr. Kumar Gaurav
Workshop Coordinator