

**GSSS**GEETHA SHISHU
SHIKSHANA SANGHA(R)**INSTITUTE OF ENGINEERING
AND TECHNOLOGY FOR WOMEN**

(Affiliated to Vivekananda Technological University, Belagavi. Approved by AICTE New Delhi & Govt. of Karnataka)

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**DEPARTMENT OF ELECTRONICS AND COMMUNICATION**

Date: 18-02-2025

**Report for
Two days Faculty Development Program on “Demonstration and
Utilization of Vector Network Analyzer (VNA) for Antenna
Applications” held at GSSSIETW, Mysuru****Glimpses of “Demonstration and Utilization of VNA for Antenna Applications” held
during 12th & 13th Feb 2025.**

The Department of Electronics & Communication Engineering at GSSSIETW, Mysuru, successfully organized a two-day Faculty Development Program (FDP) on "Demonstration and Utilization of Vector Network Analyzer (VNA) for Antenna Applications" on 12th and 13th February 2025. The resource person was Mr. Raja, Manager - Product Development, Enthu Tech Solutions Pvt Ltd., Coimbatore. The event aimed to enhance faculty knowledge and expertise in Vector Network Analyzers, specifically the SVA1075X, to analyze and optimize antenna performance in research and practical applications.

Around 20 faculty members from the ECE department registered and attended the program. The sessions provided hands-on training and theoretical insights into the working principles, calibration techniques, and practical applications of the SVA1075X Vector Network Analyzer.

The SVA1075X is a state-of-the-art Vector Network Analyzer that offers precise measurements for characterizing antennas, filters, and RF components. It provides high accuracy in measuring S-parameters, reflection coefficients, impedance matching and a wide frequency range for diverse antenna and RF applications. It also offers a user-friendly interface with advanced features for signal analysis and network characterization. The training focused on real-world applications of VNA in antenna design, impedance matching, and wireless communication research, making it a valuable tool for faculty involved in RF and microwave engineering.

The FDP included expert sessions on theoretical and practical aspects of VNA, hands-on demonstrations for real-time antenna performance evaluation, and interactive Q & A sessions to clarify doubts and explore advanced applications. Participants were appreciative of the informative sessions and hands-on experience of SVA1075X VNA.

Dr. Rajendra R. Patil, Professor and HoD, Department of Electronics & Communication Engineering, highlighted the importance of the SVA1075X Vector Network Analyzer. Furthermore, the HoD congratulated all the faculty members of the ECE department for their successful participation in the two-day FDP. The FDP concluded with a vote of thanks, acknowledging the efforts of the organizers, resource persons, and participants in making the program a success. Additionally, all registered participants received e-certificates upon successful completion of the program.

The event was highly beneficial in equipping faculty members with practical skills and knowledge to enhance their research and teaching methodologies in antenna applications.

Rajendra R. Patil

HoD, ECE 18/02/25

Head of the Department
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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**FEEDBACK**

Date: 13/02/2025

Event: FDP held on 12th and 13th February 2025 on "Demonstration and Utilization of Vector Network Analyzer (VNA) for Antenna Applications"**Resource Person: Mr. Raja, Product Development Executive, Enthi Technology Solutions India Pvt. Ltd, Coimbatore.****Does this event:****Q1:** Help you to indulge in lifelong learning**Q2:** Help you to learn Modern engineering tools to solve Engineering Problems.**Q3:** Help you to work effectively as an individual, and a team to learn multidisciplinary concept.

SL No	Participant's Name	Q1	Q2	Q3	Please provide the feedback on the program to improve the event quality	Signature with Date
1	Dr. Rajendra R Patil	3	3	3	Demo with 5G Antennas may be conducted.	Rajendra R Patil 13/2/25
2	Dr. Shyamala C	3	3	3	Very Informative session it was usefull demo	Shyamala C 13/2/25
3	Dr. Raghavendra Y M					Dr. Raghavendra Y M 13/2/25
4	Mrs. Spoorthi Y	3	3	3	It was a usefull session	Spoorthi Y 13/2/25
5	Dr. Jayanth J	3	3	3	Demonstration was usefull	Jayanth J 13/2/25
6	Dr. Basavanna M	3	3	3	It was usefull session & demo	Basavanna M 13/2/25
7	Dr. Thilagavathy R	3	3	3	Demonstration was well	Thilagavathy R 13/2/25
8	Mr. Dileep R	3	3	3	It was a usefull session	Dileep R 13/2/25
9	Dr. Anitha K	3	3	3	It was Informative	Anitha K 13/2/25
10	Mrs. Manasa J P	3	3	3	Well explained demo	Manasa J P 13/2/25
11	Mr. Mahadevapradas A G	3	3	3	It is a usefull session	Mahadevapradas A G 13/2/25
12	Dr. Latha M	3	3	3	Very Informative session	Latha M 13/2/25
13	Mrs. Amrutha R	3	3	3	usefull session	Amrutha R 13/2/25
14	Mrs. Divyashree N J	3	3	3	Informative.	Divyashree N J 13/2/25

15	Mr. Phanindra S	3	3	3	Very useful information	S. Ph / 13-2-25
16	Mrs. Kavya P	3	3	3	More Informative Session.	Kavya P / 13/2/25
17	Mr. Prashantha B S	3	3	3	useful information	Prashantha B S / 12/2/25
18	Mr. Raghunandan R	3	3	3	usefull session	R. R. / 13/2/25
19	Vedha A S	3	3	3	usefull session	Vedha A S / 13/2/25
20	Smitha M S	3	3	3	Very Informative session abt VNA	Smitha M S / 13/2/25
21	Niveditha V	3	3	3	Usefull session abt VNA	Niveditha V / 13/2/25
Average		3	3	3		Observation
Attainment Level						
>80%-3						
>70%-2						
>60%-1						
<80%-0						

1-Silght

2-Moderate

3-High

Shyamal A. Somayaji
Event Coordinator
(Dr. CS Dr. YMR, SY)

Shyamal
NBA Coordinator

U. D. D. P. D. D.
HOD, ECE 14/2/25

Head of the Department
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