


CSMSS

CHH. SHAHU COLLEGE OF ENGINEERING, CHH SAMBAJINAGAR



Department of Electronics & Communication (Advance Communication Technology)

Name of the event:	One Day Workshop on Microwave Measurement Techniques using Test Bench
Date of the event:	03 October 2025.
Participants:	24 Participants.
Summary:	<ul style="list-style-type: none">• The workshop commenced with a comprehensive theoretical session covering the fundamentals of microwave engineering, waveguide technology, and critical measurement parameters such as Voltage Standing Wave Ratio (VSWR), frequency, and attenuation.• The practical component of the workshop provided students with valuable hands-on experience in working with microwave test bench setups. Participants engaged in detailed exploration of components such as directional couplers and studied their transmission characteristics in depth.• The workshop was conducted under the expert guidance of Prof. A. G. Gaikwad, who brought his extensive experience in the field of microwave communication to the training. His practical insights and mentorship significantly enhanced the learning experience, as he guided students through each stage of the setup and measurement processes.• Students actively participated in assembling various components, including the Gunn oscillator, isolator, and frequency meter. They performed precise measurements, recorded observations, and carried out calculations to validate experimental results, thereby reinforcing theoretical concepts through practical application.
Outcome:	The workshop gave participants practical exposure to microwave measurements and waveguide components. They enhanced their lab skills, applied theory in practice, and gained confidence in handling microwave test bench setups.
Photo:	



Mr. S. R. Kadam
Activity Coordinator

Dr. Sumera Ali
HOD

Dr. G. B. Dongre
Principal