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Department of Electronics & Communication (A.C.T.)

Research & Development Cell (R&DC) Activity Report


Name of the event:	One Day Workshop on “Microwave Measurement Techniques using Test Bench.”
Date of the event:	03-10-2025
Organized by:	CSMSS Chh. Shahu College of Engineering
In Collaboration with:	NA
Under the Initiative:	Research & Development Cell
Speaker:	Prof. Abhijit G. Gaikwad
Target Audience:	Student Members from outside & inside of CSMSS CSCOE.
Venue / Platform / Mode:	CSMSS CHH. SHAHU COLLEGE OF ENGINEERING, B- 610 (Offline)
Coordinator:	Prof.S.R.Kadam
Objective:	Purpose of Learning is to aware students about microwave communication.
Overview	<ul style="list-style-type: none"> ➤ An offline session on “Microwave Measurement Techniques using Test Bench”, was successfully conducted at Dept. of Electronics & Communication (A.C.T.) 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 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.
Participation	24, students from CSMSS Polytechnic colleges enthusiastically participated in the session, demonstrating high levels of interest and engagement


Fees:	No fees to attend the program.
Key Outcomes:	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.
Feedback & Suggestions:	Optional
Conclusion:	The session was highly informative and served as a steppingstone for students to understand and explore the knowledge of microwave engineering. The CSMSS polytechnic college participants acknowledge the efforts of CSMSS CSCOE and the organizing team in making this session a success.


Photo:




Photograph taken during session on “Microwave Measurement Techniques using Test Bench”


 Dept. R&DC
 Coordinator
 Prof.S.H.Jadhav


 HoD
 E&C(A.C.T.)
 Dr. Syed Sumera Ali


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 Principal
 Dr. G. B. Dongre